

# The **NASA** Journal

VOLUME LXI NUMBER 8

AUGUST 2021

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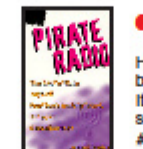
*Fourth Edition By Fred Osterman*

A comprehensive guide to over 1700 shortwave communications receivers and 1200 variants manufactured from 1942 to 2013 by 370 manufacturers in 40 countries. Over 1800 photographs are presented in this 800 page hardcover book. ©2014. Fourth Edition. **#0004 \$49.95 Sale! \$39.95**



### World Radio TV Handbook 2021 - 75th Anniversary Edition

This long established 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 interesting articles, maps and radio reviews. **#2021 \$49.95 \$46.95**



### Pirate Radio By Andrew Yoder

*Includes an audio CD!*

Here is the incredible saga of America's underground, illegal broadcasters. From early pirate broadcasting to current times. It's all here. 326 p. Includes an audio CD with segments from some of the most famous, infamous and notorious pirates. **#3038 \$29.95 \$19.95**



### Discover DXing! By J. Zandio

*Third Edition*

A great introduction to DXing the AM, FM and TV bands. Includes: propagation, seasonal conditions, equipment, antennas, reference materials, best bets for hearing 50 states on AM, plus FM and TV information and tips. **#0009 \$6.95**



### Guide to Utility Stations By Joerg Klingentuss

*2021-2022 Edition*

Simply the best guide to non-broadcast stations. Nearly 10,000 frequencies 0-30 MHz for CW, SSB, AM, RTTY and FAX. Fully updated every two years. 31st Edition ©December 2020. 550 pages. **#0809 \$59.95**



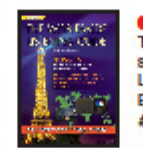
### Listening to Longwave By Kevin Carey

Your introduction to the fascinating *basement band* of the radio spectrum. Includes: who is on the air, LW reception equipment, listening tips, sounds of nature: Whistlers, Tweaks, Dawn Chorus and other radio atmospheric, navigation beacons, time stations, broadcasters, NAVTEX and Lower band. 98 pages. **#0024 \$6.95**



### Joe Carr's Loop Antenna Handbook By Joe Carr

Here is a comprehensive, but readable guide to understanding and building loops for longwave, medium wave, shortwave and VHF. Loop antennas can be very effective, even if you have limited space and a tight budget. **#0016 \$19.95**



### Worldwide Listening Guide By John Fglbzzl

This book covers all of today's formats: live on-demand, podcast, satellite, Internet, digital, analog, AM, FM, shortwave and wi-fi. Learn what can be heard how, where and when! Spiral bound 9th Ed. 192 pages. ©2019. List \$29.95. **#1044 \$28.95**



### Buying a Used Shortwave Receiver By Fred Osterman

This affordable market guide features the top 100 most sought after portables and tabletops produced in the last 20 years. Photo, specs, features, ratings, plus new and used values for each. Fourth Ed. ©1998 URR. 78 pages. **#0444 \$5.95**



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# NASWA Notes

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Cap'n Ric (texasradiosw@gmail.com) recently mentioned that Texas Shortwave Radio has been adding a greeting to shortwave clubs in Europe and North America as part of their monthly TRSW Prime programs. It is really nothing more than a shout-out and the club's email address in the program introduction. They plan to say Hi to NASWA members in their September program. They will be offering a special eQSLs to club members who identify themselves in their reception reports. They will add a color version of the club's logo (prepared by John Herkimer) to their eQSL for this program available only to club members who identify themselves in their report. So this special eQSL is available only to NASWA club members. The program will be aired by WRMI and WBCQ. There are two transmission that should be reasonable to log in North America. The first will be on September 5 at 0100 UTC on WRMI using 5,960 kHz with TRSW Prime: Austin City Limits Live (NASWA Greeting). This program is repeated on WRMI weekly until replaced by the next month's program. It may also be aired on different frequencies and dates at WRMI's discretion. The second is on September 26 at 0200 UTC on WBCQ using 6,160 kHz again with TRSW Prime: Austin City Limits Live (NASWA Greeting). The slogan of Texas Shortwave radio is *"Always be yourself. Unless you can be a pirate. Then always be a pirate."* Good luck logging and reporting this special program to Cap'n Ric!

Don't forget about attending the 2021 Madison-Milwaukee Get-together for DXers and Radio Enthusiasts, hosted by Flashsheet Editor Mark Taylor, on Saturday August 21,

2021 from 1:00 PM - 9:30 PM Central Time (come when you can and leave when you must). The purpose from the beginning has been to promote camaraderie among all DXers and radio hobbyists - "making new friends and renewing old friendships." This is an all-band event, which brings together a diverse group of hobbyists who have one thing in common, a love of radio. This year's location will be at Mark's house: 1114 Ellen Avenue, Madison, WI 53716. As usual, you can expect an afternoon of good fellowship and lots of DX talk in an informal atmosphere. If you like, bring along radios, antennas, station souvenirs, QSLs, photos, log books or any show-and-tell items to share with the group. There are opportunities to DX during the event, and a few informal demonstrations are anticipated. An assortment of snacks and soft drinks will be provided during the event. Our group photos will take place in the late afternoon, so bring along your camera. As of the time the Covid-19 restrictions have been lifted for vaccinated individuals in Wisconsin. Since things have been changing, they will abide by any Dane County Health Department orders or restrictions, although none are anticipated any at this time. Mark would appreciate it if you can RSVP so as to plan an approximate number of participants to markokpik@gmail.com or you may call or text him at 608-225-2690. If you have a presentation, display, or would like to offer assistance in running the event, please contact Mark at his e-mail or phone number.


Over the years, Canada has featured several regional shortwave broadcasting outlets. Unfortunately, there are only two such

outlets available to shortwave listeners today. This month John Herkimer takes us to Canada and the two regional shortwave outlets still on the shortwave spectrum. The first just returned to shortwave after a brief absence for technical reason, CFVP, the Voice of the Prairies on 6,030 kHz from Calgary, Alberta. The second is Toronto's CFRX on 6,070 kHz broadcasting from Ontario. Check Listeners Notebook for any broadcast schedule information and the latest updates about shortwave broadcasting from Canada.

Shortwave Center Editor John Figliozi has once again arranged for some very good reading in this month's column. There is an interesting feature about the Russian Woodpecker antenna now being a cultural heritage site. Also, Adrian Peterson's Diary talks about the early days of KDKA Shortwave in Pittsburgh using four different

locations. The Shortwave Station Profile features the transmission reach of Trans World Radio's facilities in Eswantini (formerly Swaziland). There is a lot of good reading in Shortwave Center.

The European DX Council ("EDXC"), after having canceled the EDXC conference that was due to take place in September 2021, is instead looking into options of rescheduling the next in-person conference to take place in May 2022. Chrissy Brand will send more details on this when they become available. There will be another EDXC online meeting (via Zoom) at some point this summer, open to everyone, the date is yet to be confirmed.

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

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## Unity and Friendship

# Musings

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*Please e-mail your Musings, preferably as MS Word attachments, to [jalinebk@gmail.com](mailto:jalinebk@gmail.com) or mail to Jerry Lineback, 4422 Sierra Del Sol, Paradise, CA 95969-8116. Please note that the deadline for contributions to the September issue is August 25, 2021.*

It is fire and smoke season again, too close for comfort. I guess the summer doldrums have set in for the rest of you. Sorry, no contributions received this month. Please remember that only you can remedy this situation.

73, Jerry Alice

*These pages are open for your contributions.*

# Listening Review

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Welcome to Listening Review for August 2021. In this column, I primarily focus on programs, and program content, that I have enjoyed on shortwave. I know that there are many within the club who also enjoy listening to program content, whilst still enjoying the DX side of the hobby. If you have enjoyed a program recently, do let us all know what you heard and what you enjoyed about it. Whether you have only a short paragraph or a full-page review: all are welcome.

## South Sudan

Prof. Dr. Hansjörg Biener, in Germany forwards a short review of broadcasts about, and from, South Sudan (which I think he originally posted to Glenn Hauser's WOR iog mail list):

South Sudan: 10 years of independence

Ten years ago on 9 July 2011, South Sudan gained independence from Sudan. But on 9 July 2021, there were no big celebrations as high hopes had not been met. Instead, South Sudan went from an independence war to a big number of internal quarrels.

There are two international stations focusing on events in South Sudan:

**Radio Tamazuj** (<https://radiotamazuj.org/en>) schedule in African languages including news in English Tu/Fr 1544-1556 UT and We/Sa 0414-0426 UT.

0329-0427: 7315 (SMG 250 kW, 151°)

11650 (MDC 250 kW, 335°)

1459-1557: 15150 (MDC 250 kW, 335°)

15400 (ISS 250 kW, 138°)

The program currently uses transmitters in France (Issoudun), on Madagascar (Talata Volonondry) and on the extraterritorial station of Vatican Radio (Santa Maria di Galeria).

On 9 July 2021 the English segment was generally pessimistic. All items and some more can be found at the website mentioned above.

**Voice of America South Sudan in Focus** (<https://www.voanews.com/africa/south-sudan-in-focus>) schedule in English:

1630-1700: 11910 (SAO 100 kW, 138°)

13590 (DHA 250 kW, 255°)

15660 (LAM 100 kW, 132°) Mo-

Fr.

The program currently uses transmitters in Germany (Lampertheim), on Sao Tomé (Pinheira) and in the United Arab Emirates (al-Dhabayya). Usually, reception on these three frequencies varies, but on 9 July 2021 reception was OK on all three frequencies.

Another station well audible and dedicating much time to South Sudan's Independence Day was **Vatican Radio** ([www.vaticannews.va/en.html](http://www.vaticannews.va/en.html))

1615-1630: 11620 kHz (CVA)

Vatican Radio reported on a joint message of Pope Francis and Christian leaders calling on South Sudanese leaders to work towards peace and another message of South Sudanese Christian Leaders along the same lines. (The three other items: assassination of Haitian president, tensions Belarus/Lithuania, recovery of Pope Francis) Only the first item is also found on the website mentioned above.

(Dr Hansjörg Biener 9 July 2021)

// Many thanks Hansjörg.

### **BBC World Service**

In the (European) mornings and evenings, I often tune in to at least a part of what the **BBC WS** does what the BBC WS does best: live news programming – in particular **NewsHour** (daily), **Newsday** (weekdays), **Weekend** (weekends). All of these programs cover a wide variety of global news stories.

For example, here is a summary of the news reports in **NewsHour** broadcast on 8 July at 2000UT (heard on 12095kHz via Ascension). Following a six-minute news bulletin, the program led with the assassination of the Haiti president and an interesting and quite long (ten-minute) interview with the acting Prime Minister about what happened and about the declaration of a state of emergency in the country. This was followed by further analysis of the situation in Haiti with an Associate Professor from Ottawa. Next was a report that, despite a landmark tribunal ruling in the Hague by the Philippines over China concerning sovereignty and fishing rights in an area of the South China Sea, Chinese boats continue to block and harass Filipino fishing. Forthcoming closure of a border crossing point between Turkey and Syria – one that is crucial for providing aid to a population in Syria who have nothing. Following a bulletin

of news headlines at 2030 came reports about “climate change anxiety”, President Biden’s comments on the US withdrawal from Afghanistan a discussion with a former Paralympian on the decision to hold the Tokyo Olympics without any spectators, and finally the effects of the coronavirus pandemic in New York amongst those who have been either laid-off work or furloughed.

**NewsHour** is always interesting and informative, and highly recommended. The one-hour program is broadcast daily to Asia from 1300-1400 (Mondays to Fridays) on 11805-sla, 12065-sla, and 1200-1300 (Saturdays and Sundays) on 12065-sla, 15145-sng, 15310-sla, and a new edition is broadcast daily to Africa at 2000-2100 on 11810-asc, 12095-asc.

**Newsday** and **Weekend** follow similar formats to **NewsHour**, except that some stories may be either reprised, summarised or expanded on in subsequent hours, whilst some stories are carried in one of the hours only. **Newsday** is broadcast from 0400-0700 on Mondays to Fridays, whilst **Weekend** is broadcast 0500-0730 on Saturdays and Sundays. All broadcasts are beamed to Africa, however they are easily heard in Europe, as follows:

0400: 9915-mdc, 12095-sla, and 13580sla  
0500: 6005-asc, 9410-smg, 9915-mdc, 12015-wof, 13580-dha  
0600: 6005-asc, 7345-asc, 12015-sao, 13680-wof, 15400-mdc, 15420-mdc, 15490-smg  
0700: 9410-sao, 9745-sao, 12015-asc, 15400-mdc, 15420-mdc, 15490-smg

The **BBC WS Wednesday Documentary** strand covers “African stories that matter, as told by the people who live them. Kim Chakanetsa combs the continent to bring you stories beneath the surface and behind the news agenda.” A new short series in this strand relating to African languages, starts

on 4 August. Episode 1 is titled "Losing My Language" and is described on the BBC website as follows:

"More than 2000 languages are spoken across Africa, but young Africans are often told that they need to speak English or French in order to succeed. In the process, native languages are being marginalised and it has resulted in a 'linguistic famine'. Three people from South Africa, Nigeria and Ghana who have been pressured to adopt a different language reveal the impact on their lives and relationships."

The **Wednesday Documentary** is aired as follows:

Wed 0332-0400: 9440-sla, 12095-sla  
Wed 1032-1100: 6195-sng, 9410-sng 11945-sng  
Wed 2132-2200: 11810-asc, 12095-asc  
Wed 2232-2300: 3915-sng, 5890-sng, 5955-sng, 6195-sng, 7445-pht 9580-sla  
Sat 0132-0200: 7410-sla, 12065-sng

### **China Radio International (English Service)**

In April, Peter Hansen monitored the CRI English program schedule and posted the findings to the WOR iog mail list. Peter has kindly given permission for me to reproduce it here. Although there may have been one or two changes since April, this schedule should still be mostly valid:

#### **0000 UTC**

xx00-xx05 News  
xx05-xx30 Selfie  
xx30-xx55 Alight on Literature  
xx55-xx60 Chinese Studio

#### **0100; 0500; 0600\*; 0700 UTC**

xx00-xx55 *Mon.-Fri.* The Beijing Hour  
(recorded at 2300 UTC)

xx00-xx05 *Sat.,Sun.* News  
xx05-xx30 *Sat.* The Point  
xx05-xx30 *Sun.* My China Story  
xx30-xx55 *Sat.* Music Talks  
xx30-xx55 *Sun.* Selfie  
xx55-xx60 *Daily* Chinese Studio  
\* *Only on 13645 kHz to SE Asia*

#### **0200; 0300; 1000; 1100; 1300\* UTC**

xx00-xx05 News  
xx05-xx60 Studio +  
\* *Only on 11910 kHz to SE Asia*

#### **0400; 0600\*; 0800 UTC**

xx00-xx05 News  
xx05-xx30 Selfie  
xx30-xx55 Special English  
xx55-xx60 Chinese Studio  
\* *Not 13645 to SE Asia*

#### **0900; 1400;1700; 2100 UTC**

xx00-xx05 News  
xx05-xx60 Roundtable (0900UTC)

#### **1200; 1800 UTC**

xx00-xx05 News  
xx05-xx30 Selfie  
xx30-xx55 Take-away Chinese  
xx55-xx60 Chinese Studio

#### **1300\*; 1600; 2000 UTC**

xx00-xx05 News  
xx05-xx30 Chinese Theatre  
xx30-xx55 Alight on Literature  
xx55-xx60 Chinese Studio  
\* *Not 11910 to SE Asia*

#### **1500; 1900; 2300 UTC**

xx00-xx05 *Daily* News (2300 Taped)  
xx05-xx60 *Sun.-Fri.* World Today  
(1000UTC)

xx05-xx30 *Sat.* Footprints  
xx30-xx60 *Sat.* I Love Podcasts

## 2200 UTC

xx00-xx05 News (*2200 Taped*)  
xx05-xx30 Take-away Chinese  
xx30-xx55 Chinese Theatre  
xx55-xx60 Chinese Studio

## China Radio International (Russian Service)

Just a quick mention here for the **China R International's Russian service**, which includes a lot of music in its output. I will survey it more fully sometime to establish a program pattern. Anyway, on 8 July at around 0535, on 15665kHz, they were playing one of those tunes that once you hear, you just cannot get out of your mind. It was a children's tune, 'MIXUE Ice Cream and Tea', which I later found on YouTube, and is sung to the tune of 'Oh Susanna!'

You can find it at <https://www.youtube.com/watch?v=XD2XJLWB1LA> – but be warned, it'll take hours to get it out of your head!

## Kyrgyz Radio

**Kyrgyz Radio** is not a station that I hear too often here, although I have caught it occasionally, however the following post by Victor Goonetilleke in Sri Lanka – originally to the WRTH Facebook page, reprinted in RUS-DX and then re-circulated by Glenn Hauser in the WOR iog mail list – reminds me to try again for this station.

"22 July 2021. Tonight, listening to Kyrgyz Radio from this beautiful landlocked Central Asian country. One of the few that are still on shortwave for their domestic service because of the vastness of the country and the terrain. Kyrgyz R. is scheduled to s.off at

1800 UTC on 4010 kHz and sure s.off exactly at 1800 after the National Anthem and s.off proceedings at 1758 UTC. The music from this station characterises this region in Central Asia the Islamic culture and the nomadic tribal music of stringed instruments and whaling singing. You are taken into a different world listening through the static crashes. Maybe they have an Internet stream. I didn't even bother as it is not in my realm of radio travel. Click to hear what I heard on my Perseus SDR radio

<https://app.box.com/s/dtk1nlgwlv0ihxcicfc7cyt5d5e1kglw> (Victor Goonetilleke, Sri Lanka)"

## Upcoming Special Themed Programs

A quick look at the latest schedule from **Pop Shop Radio**, now broadcast on 3955 and 6070kHz via **Channel 292** on Wednesdays at 1600 and Saturdays at 2100, and on 5950kHz via **WRMI** on Mondays at 0100. Upcoming special themed shows include: "*Countrytime*" (25, 28 and 30 August); "*1-Year Anniversary Special*" (8, 11 and 13 September); and "*Disco*" (6, 9 and 10 October).

A reminder that I included details of the special series of programs, facilitated by **Texas Radio Shortwave**, relaying one-hour programs from European pirates which continues through August, along with their regular programming, in last month's magazine.

*Dr Hansjörg Biener* writes that **SM Radio Dessau** broadcasts at least once a month on shortwave 6070 kHz, mostly via **Channel 292** Rohrbach. "On August 8th, Knud Friedrich Martin Kuntze, who died in 2020, will be remembered. He was once a drummer with the Lords and had a brilliant career at RIAS Berlin at the end of the 1960s. You can hear excerpts from his two legendary programs Schlager der Woche and Evergreens

A Go Go, as well as parts of an interview from the 90s. There will also be some little special features from the RIAS to be heard. An interesting program awaits you - not only for the listeners in the area between the Baltic Sea and the low mountain range!"

The broadcast is scheduled 8 August, 1100-1200 on 6070 kHz (via Moosbrunn 100 kW) and 1500-1600 on 6070 kHz (via Rohrbach 10 kW).

Finally this month, *Christian Ghibaudi* forwards details from Christian Milling (from **Shortwave Service**, Germany), of another **Radio Andorra Revival** special broadcast will be broadcast on 7 August on 6180 kHz from 1700-2000 UTC, via Moosbrunn Austria. It will be for the 82 years of Radio Andorra. And another opportunity to hear again the world famous "Aqui Radio Andorra !".

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

# International Broadcasting

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## Supporting Cubans by violating laws of physics

Mass demonstrations in Cuba against the post-Castro Communist regime – certainly not a typical occurrence – began on July 11. Cubans were keeping in touch and keeping informed via the internet and mobile networks – relatively recent phenomena on the island. Since the demonstrations began, Cuban authorities responded in the usual practice of dictatorships: blocking access to certain websites and social media platforms, and restricting communications through mobile devices.

The great majority of American are sympathetic with the complaints and aspirations of the Cuban people. Conservatives and Cuban-Americans are especially vocal, seeing an opportunity to bring an end to communist rule in Cuba. Restoration of internet access to the Cuban people is seen as especially vital to maintain the momentum of the demonstrations.

### Me and President Trump ...

Senator Marco Rubio (R-FL) said he and President Trump “were already looking at how to provide internet access. We had made great progress in that regard, it was going to happen in his second term, and obviously, this all stops when these guys get in.” ([bit.ly/3faQ840](https://bit.ly/3faQ840)) “I think if he was in office right now, we’d be well on its way towards internet access. I think you would see internet towers set up in Guantanamo, I think you would see our embassy openly providing Wi-Fi and be relayed across the island.”

WiFi from the embassy and Guantanamo would be legally problematic. And as a practical matter, Cubans would have to come up the perimeters of these facilities to access the WiFi. Cuban authorities could cordon off these areas, or flood them with jamming signals, or both.

The proposed solution more often mentioned is internet access from balloons or drones. Inspiration is taken from Google’s discontinued Project Loon, which

experimented with balloons. A Wall Street Journal editorial suggested “high-altitude balloons that float in international airspace.” (on.wsj.com/3f8peK8) This raises an interesting legal question. The ITU is specific in stating that broadcasting from international waters or airspace is prohibited. But what about internet access from international airspace? The internet is not really broadcasting. It is two-way communications, sort of like the two-way communications employed by aircraft in international airspace many times every day.

### **“The internet is not radio”**

Internet from balloons might not be such a ready solution. AP quoted satellite consultant Tim Farrar of TMF Associates, who said the transmission capability of airborne networks isn’t large — “certainly not enough to serve the entire population of Cuba or anything like that.” (bit.ly/2WAwsQB) Nicolás Rivero, writing for Quartz, noted that “the internet is not radio. It requires more advanced equipment and a stronger, two-way connection between users and telecommunication networks. Transmitting web content isn’t as easy as firing off a pirate radio broadcast from a boat in international waters.” (yhoo.it/3z0JUP1)

Rivero, of course, also mentions the Cuban authorities’ ability to jam any U.S. attempts to provide internet access. On the 2 GHz and above frequencies used by WiFi, generally the closer signal prevails over the farther signal. There is no skip zone as with shortwave. It might be that a balloon over the Florida Keys would have a wider footprint than any Cuban transmitters on the ground. In this case, the Cuban regime might need to send up balloons of its own, and they would be closer than the Florida Keys.

### **Recalling Fat Albert**

If this discussion of balloons gives you déjà vu, that would be due to Fat Albert, the tethered blimp that transmitted TV Martí from the Keys, starting in 1990. Fat Albert, and its transmitting equipment, would occasionally escape in tether. Finally, in 2005, Fat Albert was destroyed by Hurricane Dennis.

“The next year, an Air Force C-130 Hercules took over, but its high operational costs caused the board to quickly replace it with a 1960s-era Gulfstream G-1, dubbed AeroMartí. From 2006 until the 2013 federal budget sequester grounded it, AeroMartí flew six days a week, broadcasting during prime time.” (bit.ly/3fdI1nj) Cuban jamming appeared to be effective even against television from an airplane.

### **La radio sigue siendo una cosa**

With airborne solutions proving to be problematic, we come full circle to radio, as in Radio Martí. The internet and mobile media may now be fashionable in Cuba, but that does not solve the problem of circumventing censorship and distance. Radio listening may be passé, but radios are still in circulation in Cuba. As we well know, shortwave, and to some extent medium wave, have some natural immunity to jamming.

And now, the VOA Radiogram and Shortwave Radiogram experiments have shown that text and images can be transmitted by USAGM’s shortwave and medium wave transmitters. Place a portable radio next to an Android phone with the free app, and the funny noises turn into text. That text can be passed on to other mobile phone users in Cuba. An “internet” below 30 MHz.

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

# Shortwave Center

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*It's been quite the rainy summer here in upstate New York so far. Given the shortness of the season in these parts, there's little positive about that except for the fact that it affords added indoor time for DXing and twirling the shortwave dials for entertainment. Sunspot numbers are up and propagation conditions are considerably*

*improved over recent years – a good “warm-up” for the coming listening season. Among the interesting articles in this month's SWC is a profile on **Trans World Radio's** shortwave transmitter in Eswatini (Swaziland). **TWR** just might be the largest international broadcaster so many know so little about.*

## SHORTWAVE HISTORY

### Russian Woodpecker Antenna Array Now a Cultural Heritage Site

ARRL, via Phil Brennan - Australian DX News

The massive Duga-1 antenna array that transmitted the obnoxious and infuriating "Russian Woodpecker" HF signal from the

1970s until the late 1980s is now a cultural heritage site.

The array, located near Chernobyl in Ukraine, was part of an over-the-horizon radar (OTH-R) system designed to detect and offer early warning of incoming ballistic missiles from the US. A complementary receiver site was located some 40 miles away.



While the system was operating, its broad rat-a-tat signal, typically at a 10 Hz rate, caused severe interference in the amateur bands. The Chernobyl nuclear power plant disaster and the end of the Cold War preceded the end of the system and the

interference it caused. NATO military intelligence discovered and photographed the structure, which it dubbed "Steel Yard."

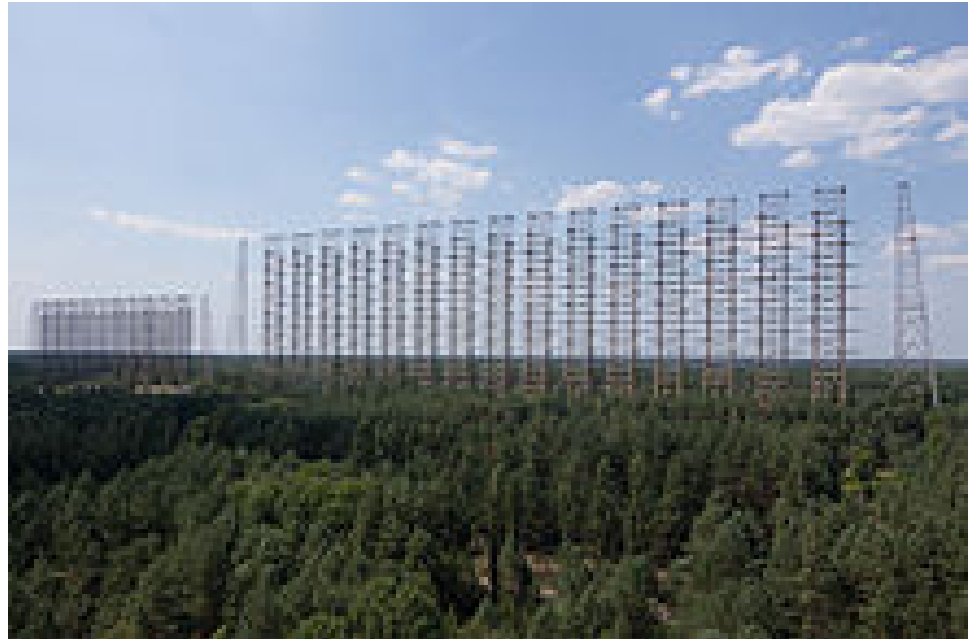
Nearly 2,300 feet long and more than 450 feet tall, the steel beams of the radar array are in the Chernobyl exclusion zone tower above the surrounding forest. Seen from a distance, it appears to be a massive wall or the start of a cage. As Vice recently reported, the Association of Chernobyl Tour Operators was the first to announce that Ukraine had made Duga-1 a protected heritage site.

The Russian Interfax news service later reported the official designation.

"Our heritage is not only the area around the power plant but also the buildings located on its territory," Oleksandr Tkachenko, Ukraine's Minister of Culture and Information Policy, said in a Telegram thread about the announcement. "So now we are working on identifying other objects that should be part of the list of monuments. Our goal is to prevent destruction when possible."

The Soviet Union deployed two similar OTH-R installations -- known as Duga-1 and Duga-2 -- the one near Chernobyl and another in eastern Siberia. Transmitter power levels were rumored to be in the 10-megawatt EIRP range.

Duga-1 was the focus of a 2015 documentary, *The Russian Woodpecker*, by Chad Gracia.



The film includes interviews with Duga Commander Vladimir Musiets and others involved in building and operating the OTH-R system. The production was a 2015 Sundance Film Festival winner in the documentary category. In recent years, the Duga-1 radar has also played a role in other films, as well as in various video games and novels.

## ADRIAN PETERSON'S DIARY

### KDKA Shortwave in Pittsburgh: Four Locations

On several occasions here in Wavescan, we have presented a series of topics regarding the backgrounds and history of the famous American mediumwave and shortwave station that is known widely as KDKA. Because of their significance to international

radio development around our world, we present another topic about KDKA shortwave, and this time we summarize the collected information about their four Pittsburgh locations into just one topic.

## **First Location: East Pittsburgh**

The first location for KDKA mediumwave and shortwave was atop the eight-story high Building K at the Westinghouse factory at East Pittsburgh in Pennsylvania. Building K was the tallest building in this large manufacturing complex, and the fledgling KDKA, studio and transmitter, was installed in a wooden shack at the western end of this flat roof.

Mediumwave KDKA was inaugurated under the callsign 8ZZ with presidential election information at 8:00 pm on Tuesday, November 2, 1920. The 100-watt transmitter radiated on 550 kHz on what we would call today the low end of the standard mediumwave band. The station engineer, Frank Conrad, was ready to activate his amateur station 8XK on the second floor above his detached garage at Wilkinsburg as a backup transmitter if needed, though the primary transmitter 8ZZ at East Pittsburgh performed admirably.

Two years later, in August 1922, a 1 kW shortwave transmitter was co-installed in the wooden shack atop Building K at East Pittsburgh. Over a period of time, this unit operated on several different shortwave channels, though one of its main channels was 100 m., approximately 3,000 kHz.

Shortwave 8XS was on the air at East Pittsburgh for a period of just two years, extending from 1922 to 1924. Their tall building, Building K, was ultimately demolished in 2007, and an industrial complex known as Keystone Commons now functions at that location.

## **Second Location: Forest Hills**

In July 1924, radio station KDKA-8XS was transferred into a new building that was specifically constructed to house the station.

This transmitter building was in the form of a single-story house, or bungalow, and it was constructed on a Westinghouse property on Greensburg Pike, Forest Hills, one mile east of the previous location.

New radio equipment was installed for KDKA-8XS at the Forest Hills location, including three mediumwave transmitters, ranging in power from 500 watts up to 10 kW, and at least one shortwave transmitter. In the summer of that same year 1924, the shortwave callsign 8XS was dropped, and instead the Frank Conrad amateur callsign 8XK was transferred from his home location and applied to the KDKA shortwave transmitters at Forest Hills.

Four years later, on October 1, 1928, the shortwave callsign was amended from 8XK to W8XK, due to the implementation of new international radio regulations.

Radio station KDKA-W8XK was on the air from Forest Hills for a period of seven years, running from 1924 to 1931. After the transfer to a new facility at Saxonburg, the Forest Hills building lay idle for a while, though it was subsequently taken over by Westinghouse for use in community and company events. The original concrete and brick transmitter building was incorporated into a modern new building complex as the Westinghouse Lodge.

## **Third Location: Saxonburg**

In preparation for the next move, Westinghouse investigated a total of 62 possible sites for use as a brand-new radio complex. Ultimately, 130 acres were selected at Saxonburg, some 20 miles north of downtown Pittsburgh.

An ornate new building was constructed at Saxonburg for KDKA-W8XK in 1931, and new radio equipment was installed. The

mediumwave transmitters were installed at the north end of the new building, and the shortwave transmitters were installed at the south end.

The official date for the experimental callsign W8XK to change to a regularized callsign was September 1, 1939, though the new callsign for W8XK was implemented as WPIT a couple of weeks in advance.

#### **Fourth Location: Allison Park**

During November 1938, Westinghouse made another thorough search in Pittsburgh and its environs for a suitable new location for KDKA mediumwave and shortwave. It was discovered that Saxonburg was just too far away and thus there were dead spots in the built-up areas of Pittsburgh where signal reception was inadequate.

Much of this search was made from the air with the use of their famous KDKA arial balloon. Ultimately a property at Allison Park, just 8-1/2 miles from downtown Pittsburgh, was chosen and a totally new station was constructed.

An ornate transmitter station was built in the New England Colonial Style, a new 50 kW mediumwave transmitter Model 50HG was installed, and a new antenna system was erected. There was space for several shortwave transmitters, and the antenna system was designed for simultaneous usage on both mediumwave and shortwave.

Mediumwave station KDKA is to this day still successfully located at Allison Park, though subsequently two 50 kW Gates transmitters were installed, and later again, two 50 kW Harris units. The historic, though nowadays very modern, KDKA is heard widely in North America and beyond on its long-term channel, 1020 kHz.

However, in spite of the original planning and official announcements, the KDKA shortwave adjunct W8XK-WPIT was never installed at this new location, Allison Park. Instead, the shortwave station under its new callsign WPIT remained at Saxonburg, at least temporarily; and that's where we pick up this story again, next time.

## **The Radio Saga on Two Small Islands South of New Zealand**

The South Pacific nation of New Zealand is made up of two major home islands, the North Island and the South Island, together with an estimated 600 outlier islands. South of the South Island, and on each side of the stormy Foveaux Strait, lie a dozen or more small islands, only one of which is inhabited.

In our program today, which comes to you under the title "The Radio Saga on Two Small Islands South of New Zealand", we plan to visit two of these islands in Foveaux Strait for an interesting sequence of radio information and events. First, we visit Centre Island.

#### **Centre Island**

This island, Centre Island, is one mile long, half a mile wide, and it lies just 10 miles off the south coast of New Zealand's South Island. It is a Nature Sanctuary, with a lighthouse and an airstrip; that's about all.

A wooden lighthouse was erected on the island in 1878, and subsequently a communication cable was laid beneath the ocean, with connection to the South Island at Colac Bay. However, in 1917 the cable developed a technical fault, and the government decided that it would be cheaper to install a Morse Code wireless station at the

lighthouse for communication with Awarua Radio VLB (ZLB) at the Bluff near Invercargill, rather than to renew the faulty cable.

In September 1939, warfare burst out in all its fury on continental Europe. England declared war against Germany, and New Zealand, as part of the then British Empire, followed suit.

Now it happened that two amateur radio operators living in Invercargill, identified as Hazlett and Sutton, continued using their amateur transmitters, albeit with Emergency Corps transmissions under the callsigns ZL4EF and ZL4GX. The government confiscated their transmission equipment, which was then transferred for use by army personnel who were serving as Coastwatchers on Centre Island. Thus, the transmitter used by ZL4EF became RFP, and the transmitter used by ZL4GX became RFM.

It is understood that Amateur Radio Operator Hazlett, with the emergency callsign ZL4EF at 100 Melbourne Street in Invercargill, had previously operated his radio equipment under his own amateur callsign, ZL4HF.

A few years after the end of the Pacific War in the middle of last century, a small communication transmitter was installed in the lighthouse on Centre Island under the callsign ZMC. A 1958 photograph taken in the wireless room shows what appears to be a simple transmitter/receiver set, and the ship-style clock on the wall shows 6:00 clock. A handwritten log book of transmissions from ZMC in 1966 shows that they contacted ZLB on the south coast of the South Island regularly four times each day.

## **Stewart Island**

The island called Stewart is the largest of the subsidiary islands of New Zealand, and at one

stage back towards 200 years ago (1841-1853), it was actually governed as a separate province, the third province in the island archipelago. This Stewart Island, along with the two main islands of New Zealand, was populated by Maori settlers some 700 or 800 years ago.

Stewart Island has a resident population these days of some 400 people, and is roughly triangular in shape. It is 40 miles long and 20 miles wide and it lies across the southern side of Foveaux Strait, about 20 miles south of the South Island. The only settlement on the island these days is Oban, which is located on Half Moon Bay in the center on the northeast side of the island.

Tourism is one of the main sources of income for the Stewart Islanders, though the coronavirus has brought this financial flow to a mere trickle. Sometimes small tourist planes fly in from the South Island and land on a water-hardened sandy beach on Stewart Island. There are occasions when the local islanders celebrate their island with a mock independence festival.

It is true that there are always whale strandings along the coastal waters of New Zealand and its many islands. It is stated that there have been more than 5,000 episodes of whale strandings in the South Pacific during the past 1-1/2 centuries.

However, last year (2020) there was an epidemic of whale strandings on several islands of the South Pacific, including Stewart Island. On November 23 (2020), two whale pods, with a total of 145 Pilot Whales, were beached at the southern end of Mason Bay on the west coast of Stewart Island, all of which unfortunately died. Mason Bay is accessible only by boat or by plane, with no roadway into the area.

In 1931, a small communication station was opened at Oban-Half Moon Bay under the callsign ZLO for communication with ZLB Awarua. However, that station was closed during the next year when a new underwater cable was installed for communication with the South Island. The ZLO callsign was subsequently applied to the Taupo communication station in the center of the North Island, near the RNZI transmitter site at Rangitaiki.

Fourteen years later (1948), a small radiotelephone transmitter was installed at Port Pegasus for communication with the mainland areas of New Zealand. This transmitter, with the callsign ZLHS, operated on 2182 kHz, though it is no longer in service, and the entire settlement of Port Pegasus has since been abandoned.

An FM repeater station on 96.4 MHz carries a relay from Radio Southland in Invercargill, and it was installed at the settlement of Oban in December 1994. In addition, many FM, TV and mediumwave stations in the South Island are readily audible throughout Stewart Island.

In a most unusual move, the New Zealand government has given approval for the experimental transmission of electricity through the air from the South Island to Stewart Island. This concept is reminiscent of the experiments of Nikola Tesla in Colorado in the United States back in 1890.

Tesla fed a huge high frequency current through a massive electrical coil, with the intent that magnetic inductance would produce a similar electrical response in another huge coil at a distance. In the South Island of New Zealand, a small new company, Emrod, has conducted similar experiments with the transmission of a few watts of electricity over a distance of 130 feet. Funding for this experimental project has been provided by Powerco, the second largest generator of electricity in New Zealand.

Under the Emrod-Powerco setup, four components are required: Electrical power, transmitting antenna, intermediate line of site relay equipment, and a receiving antenna with a power converter. The transmitting antenna sends out a focused beam of converted electricity which is surrounded by a system of lasers. If a bird or any object interrupts the laser beam, the beam of converted electricity is instantaneously and temporarily switched off with therefore no harm to the unawares intruder.

In view of the success of the original simple experiments, a more extensive set of equipment is currently under installation in the South Island, and if those experiments are successful, another similar set of equipment will be installed to convert electricity on the South Island of New Zealand and send it wirelessly to Stewart Island, a distance of some 20 miles.

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



## SHORTWAVE STATION PROFILE

### The Incredible Reach of the Eswatini Transmitter

Less than 2 percent of the Yao population are Christian. Abdi and Shafiq are just two of the many Yao Christians and population that **Trans World Radio (TWR)** reaches from the Eswatini Transmitter.

29 June 2021

By Becky C. Matthews -- Evangelical Focus – Europe

[TWR Africa](#) has been spreading hope throughout the African continent since 1974 engaging millions in more than 50 countries.

Radio, the internet, mobile devices, [TWR360](#), and other media sources open doors to allow the gospel to spread to countries where Christianity is legally forbidden, to animistic

tribes in the Nuba Mountains who are cut off from the rest of civilization, and to displaced people fleeing war in northern Mozambique. We have been equipped with powerful media tools to take the Good News into places where we physically cannot go. Through the power of the Spirit, we can use radio and other mass media to accomplish the task Jesus gave us to make disciples of all nations.

**TWR** broadcasts from various transmitter sites in Africa including **TWR Eswatini** and



The Word of God is going out to many parts of Africa from the Eswatini Transmitter Building / Photo: [TWR](#)

the Middle East on shortwave, and **TWR West Africa** on medium wave (AM). In addition, **TWR** broadcasts programs via several **TWR** partner FM radio networks and a satellite channel that offer direct-to-home services to various parts of the continent.

Although new media are rapidly becoming an important part of life in Africa, radio remains the primary way people get their information. Since a radio set is typically the first luxury item that an African will buy, radio is one of the most valuable assets a family can have if they can afford one.

Radio has the advantage of being media that can reach all kinds of people irrespective of their racial background, age, religion, or class. It also crosses political and geographic borders. Thus, radio remains an effective and relevant medium. Listeners don't have to pay to access radio like some newer media.

The transmitter in Eswatini, formerly known as Swaziland, broadcasts in 54 East and Southern African languages. The Eswatini Transmitter went on-air in 1974 and has been blanketing Southern Africa with the gospel message over shortwave ever since.

Over the years, God provided upgrades and replacements to the equipment that allowed **TWR** to extend its reach further and further from Eswatini. As the transmitter site made improvements over the years and depended on God's goodness to supply their needs, they have expanded their reach to East and Central Africa, and even as far as South Asia.

### **Bringing Hope to Mozambique**

Dealing with war is a daily struggle for many sub-Saharan Africans, be it a war between countries or fellow countrymen. During the Mozambique Civil War from 1977-1992, a total of 1 million people died in the fighting, with 5 million displaced and countless

amputees from land mines. Death and disease paralyzed this country.

Amidst despair, a voice on the radio began telling stories of the wonderful love of Jesus. **TWR** penetrated the fighting in 1990 with Molumo Olipelela (Words of Hope), which offered Truth to the Makhuwa of Mozambique, Africa's largest unreached animistic group. These messages quickly became louder as word of them started spreading throughout the country.

During the fighting, a listener said, "Something is happening. People in my country know about TWR." These broadcasts spoke of peace, togetherness, friendship, and tranquility in the middle of extreme violence and disunity. People listening to the broadcasts were giving their lives to Christ. Churches started to develop. The country began to change.

In addition to the Makhuwa programs that were winning people to Christ, the Lomwe programs also trained church leaders in how to disciple these new believers. The purpose of Christian radio is not just to create believers, but disciples. As a result of six years of broadcasting into Mozambique, over 300 local congregations established themselves in the work of the Lord. Praise be to God for the way He united this country in His love despite the war that threatened to tear it apart.

It takes innovation, consistency, and perseverance to keep the transmitter going day after day, year after year but the rewards are great as countless people across the continent find our broadcasts and are able to hear life-giving words of truth from the Bible.

Just as **TWR** offered hope during the 1977-1992 Civil War, **TWR** continues to offer hope in this current conflict in the northern



portions of Mozambique. Since the war began, there are [thousands more internally displaced people each month](#). The instability had led to huge numbers of people fleeing on foot with only what they can carry as their homes are no longer safe. As the turmoil continues into 2021, TWR brings hope to families caught in the middle of the conflict.

### **Reaching Somalia, Eritrea, and South Sudan**

We redesigned the switch and made some changes to the antennas in Eswatini, which provided new opportunities to reach very difficult areas like Somalia, Eritrea, and South Sudan. Many of these areas are under heavy Islamic influence.

During Christmas last year we received feedback from listeners in Somalia who are tuning into programs being broadcast on shortwave and mediumwave. In Africa people still listen to shortwave radio. Especially in places where there is war and turmoil, people want to hear what is really happening.

### **The Yao of Southeast Africa**

The Word of God is going out to many parts of Africa from the Eswatini Transmitter, including to the Yao population of Southern Malawi, Northern Mozambique, and Southern Tanzania.

A young Yao man, Abdi\* in Southeast Africa searching for God responded to our broadcasts in his heart language (Yao) on shortwave from our transmitter site in Eswatini. "Help us to understand the better way to God, and that in the end, we may meet Christ." Another Yao man, Shafiq\*, asked us to pray with him so that his parents could come to salvation.

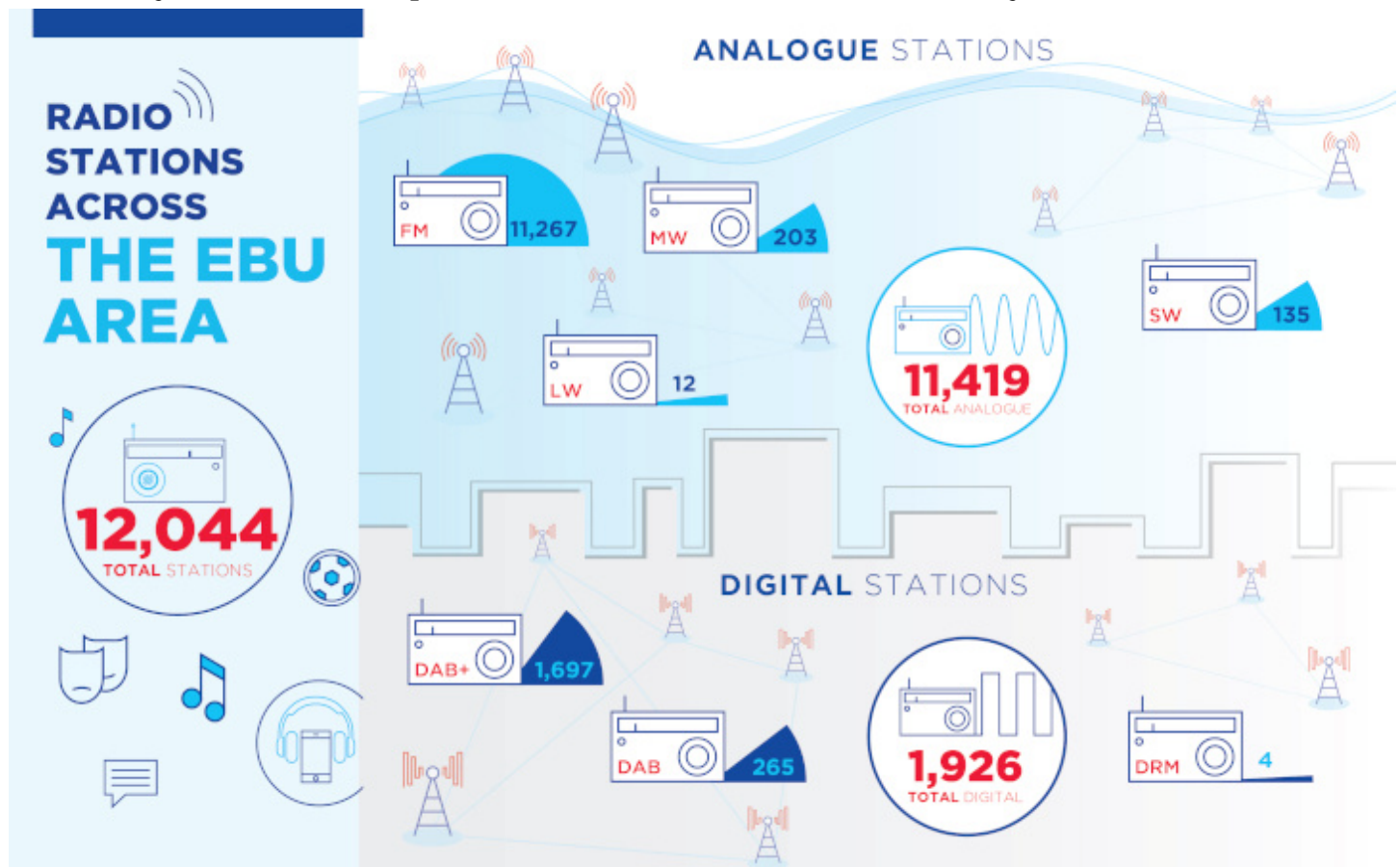
According to Joshua Project, less than 2 percent of the Yao population are Christian. Abdi and Shafiq are just two of the many Yao Christians and population that TWR reaches from the Eswatini Transmitter.

\*Names have been altered for security reasons.

# THE STATE OF SHORTWAVE

## EBU Finds That Radio Is in the Air

Nearly 90% of consumption is to linear stations transmitted by broadcast networks



BY [DAVID FERNÁNDEZ QUIJADA](#)

Published: JULY 12, 2021

### RADIO WORLD

In these days of flashy audio innovations — with professionals, the trade press and dedicated events and conferences often focusing on podcasts, vocal assistants and social audio — we tend to forget the central role that old-fashioned and resilient broadcast radio plays in peoples' lives.

At the EBU, we estimate that broadcast radio still represents between 85 and 90% of total radio consumption, which remains the bulk of audio consumption.

To understand the situation of broadcast radio, we have recently conducted research on the distribution networks used by radio services in Europe and the northern African territories that form part of the EBU, i.e. in 56 countries with a total population of more than 1 billion.

Many readers will no doubt be surprised to learn that our census found more than 12,000 radio services across the area. These are services operating each under their own brand, independently from the number of frequencies or transmitters.

Less surprisingly, 95% of those services broadcast in FM. This sends out a strong signal showing how prevalent FM remains.

Of course, the picture on the ground is more diverse, from Southern Europe where dials are typically overcrowded to Algeria, the sole remaining public radio monopoly in the area, and on to Norway, the only country to have shut down analog FM radio nationwide. Although some countries still grant FM licenses, the total number of services in this band is on the decrease.

The future looks darker for other analog networks, medium- and longwave. There are already 19 countries with no medium-wave services, although the U.K. still operates 69 services in that band, nearly as many as all 27 countries of the European Union taken together, where 74 services were identified.

There are only 12 services available in longwave, down from 21 in 2017 and 18 in 2019. Those originate in 10 countries, with public radio in Algeria and Iceland broadcasting two different signals. The LW band is only used for radio in Region 1 of the

ITU, and outside the area covered by our study, in Mongolia and Turkmenistan.

As the reader may guess, digital radio broadcast networks are the fastest growing. In 2021 nearly 2,000 different services were identified, a 23% increase in only two years, with no sign of slowing down short term. Again, the U.K. is an outlier here, with 80% of the 265 DAB stations identified. Meanwhile, DAB+ continues gaining ground.

And what about international radio? More shortwave services are appearing, but often at a high cost: large, well-known broadcasters are turning away from a bandwidth that is increasingly being taken over by religious denominational and other niche services. DRM, for its part, has not been embraced so far as a viable digital alternative to shortwave.

*The author is manager of the Media Intelligence Service at the European Broadcasting Union.*

**The Robinson Report**  
**Looking at U.S. international broadcasting and the shortwave listening hobby**



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## **USAGM/VOA: The Blame Game – Officials Shirk Responsibility**

As U.S. citizens, we pay the salaries of employees of the U.S. Agency for Global Media, which comprises numerous media

including Voice of America and the Office of Cuba Broadcasting (Radio/TV Marti).

Tax dollars also pay for the so-called “grantee” (privatized) organizations such as Radio Free Asia, Radio Free Europe/Radio Liberty, Middle East Broadcasting Networks, and other lesser-known entities such as the Open Technology Fund (OTF).

By the way, salaries across the USAGM range from lower GS levels to GS-15 and SES (Senior Executive Service). Average pay in 2018 was \$107,356, certainly more now in 2021. Top officials rake in \$180,000 and more a year – before performance bonuses.

As informed readers know, USAGM has one of the worst reputations of any federal agency. As shown by successive Federal Employee Viewpoint Surveys, year after year the agency has ranked at or near the bottom on a number of key measures of morale.

Keep in mind that the Department of Commerce which oversees these surveys with the Office of Personnel Management defines their purpose as assessing “employees' perceptions of whether, and to what extent, conditions **characteristic of successful organizations** are present in the agency.”

Earlier this year, the current acting CEO of USAGM under the Biden administration, who occupied top-level management positions at VOA for many years, summarized the 2020-2021 results.

While scores for federal agencies went up even during the COVID-19 pandemic, there was a different trend at USAGM. “Frankly, our overall survey numbers for last year [were] not good” said Kelu Chao, with steep decline in respect for senior leaders, [employees ability to] disclose violations of laws or rules without fear of reprisal, [confidence that] results of the survey will be used to make (the) agency a better place to work, and [confidence that] senior leaders

maintain high levels of honesty and integrity.

Since the November 2020 presidential election, Biden administration managers at USAGM have been busy blaming the Trump era for problems.

In a recent Global Town Hall meeting, key officials blamed the “turmoil” of the previous administration, and asserted that there is now a new era of “wise and stable direction”.

Let's address this disinformation campaign. First, it's not as if current managers at USAGM/VOA are new on the scene. At least three have been at the agency for decades, occupying a variety of positions under successive administrations.

Yet, in what amounts to a Snake Oil Fire Sale, they blame Michael Pack, the Trump-era CEO who was in place for about half a year for the latest poor employee morale results and alleged “fiscal mismanagement” (they provided no details of the latter).

As a Trump nominee, Pack started off at a great disadvantage. He faced an orchestrated campaign of opposition, engineered largely by employees in VOA's central news division.

This was reminiscent of the opposition that Ronald Reagan's choices to head the former USIA and VOA faced in the early 1980's, but at a more vicious level.

One of the most mind-bending statements came from one official who pointed to a need to restore the agency's reputation with the federal government, Congress, the Office of Management and Budget (OMB) and the State Department.

Think about that. Damage from decades of mismanagement and scandal after scandal

primarily at Voice of America, but also at the agency's other media, did not originate in 2020. Responsibility for it goes way back.

Next, the current management team pledged to "improve and make [the agency] a better place to work" and "regain the trust of the staff." Employees were rolling their eyes at this familiar subterfuge.

A bit of history from 2020 – the damage done to USAGM/VOA's reputation within government included the revelation that the agency for years had been in violation of procedures for background security investigations of new employees. Violations occurred over a 10-year period, stretching back into the Obama administration.

As I [reported](#) in August 2020 for the watchdog website BBG Watch, they were serious enough that the Office of Personnel Management and Office of the Director of National Intelligence revoked USAGM's authority to conduct background investigations.

It's not likely that any of this would have become public had former CEO Michael Pack not released OMB/ODNI findings. The violations, he said, created national security threats. He was correct, but this story ended up being buried and later forgotten.

Also buried by entrenched USAGM managers well before Pack's arrival in 2020 was the fact that for decades, VOA managers at various levels had [access](#) to classified State Department cables. I [reported](#) on this in September of 2020, noting that:

**“Regular access by employees involved in management and preparation of news and**

**online material is not something that would be seen in non-government media organizations and “raised the possibility that information in cable traffic would find its way into VOA news reports or have an impact on those reports in ways that would not occur in commercial media.”**

Michael Pack was also pilloried for suspending J-1 visas that over many years enabled individuals from overseas to work for VOA language services. But media have largely ignored the fact that the agency had a long history of abusing the J-1 visa program.

So, no wonder current USAGM/VOA officials see a need to repair the agency's reputation in government. But the examples here are just the tip of the iceberg at this agency with an annual cost of \$800 million.

In the first half of 2021, there were new headlines about the problem of plagiarism at Voice of America, ongoing violations of journalistic and social media standards, and a language service that from appearances was serving the interests of a foreign government.

So, again – most of the responsibility for damage to the agency's image lies not with a roughly six-month period that it was under different management, but with an entrenched group of officials who were in charge for decades.

Back to the annual federal employee survey: are USAGM and its various parts a “successful” organization? That's an extremely complicated question, and one I'll continue to examine in this column in coming months.

# Listener's Notebook

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Times are UTC and frequencies in kHz.

**ALASKA** 7355, KNLS (Anchor Point, Alaska) at 1236 with interview Patrick Need Fathers and Friends. - Excellent, //9795 very poor, July 8. (Harold Sellers-BC/DXplorer)

**ASCENSION** 17745, Trans World Radio, via English Bay, F/D E-QSL, in 31 days for e-report to the following e-mail address: kdobos@twr.org (Jürgen Waga-Germany/DX Fanzine)

**AUSTRALIA** QSL Reach Beyond Australia - Email confirmation received from Margaret Penford for monitoring five station frequencies. (Konstantin Barsenkov-Russia/RUSdx #1138 via wwdxc BC-DX TopNews June 20)

Very good signal of Reach Beyond Australia on 11905 via Kununurra, July 20: 1125-1140 on 11905 Rohingya Daily (DX Mix-Bulgaria)

Very good signal of Reach Beyond Australia on 12010 via Kununurra, July 20: 1130-1145 on 12010 Dzongkha Daily (DX Mix-Bulgaria)

2325, STATION TEST, Wee Waa, NSW. Station seems to have no name! Relays programming from "Station X", which is an AM narrow band and FM operation in Wee Waa, northeastern New South Wales. Noted on June 20 with lots of dated (antique?) pop/rock selections at 1003. The licence is owned by Peter Tate, who has been granted a bunch of other broadcasting licences in NSW and QLD. Interestingly, the Australian

Communications and Media Authority website lists this licence as expired on June 2, 2021 and is authorised to transmit up to 1kW. Tate also owns other HF licences including 2310 and 2350 (at Alice Springs, NT), 3230, 4835 (at Razorback Range, NSW), 4910 (at New Lambton Heights, Newcastle, NSW) and 5025 (also at Wee Waa, NSW), but as far as I can tell, none of these is currently on air. (Wagner-Australia/Australian DX News)

3210, Unique Radio at Manila in NSW still on air Fri, Sat, Sun only, Jul 19. (John Wright-Australia/ARDXC)

5045, Radio Island at Mackacy Island Brisbane still on air each afternoon 250 to 300 watts 5045 plays music 0000 to around 0900, Jul 19. (John Wright-Australia/ARDXC)

5055, Radio 4KZ 2200 to 1400 daily, July 19. (John Wright-Australia/ARDXC)

9590, Reach Beyond Australia (Kununurra) at 1257 in Hindi, 1259 English closing with time and frequency announcement for this broadcast, off at 1259:30. Fair, July 8. (Harold Sellers-BC/DXplorer)

11900, Reach Beyond Australia transmitting from Kununurra. F/d QSL card showing "Brushtail Possum" received in 6 weeks. Email report sent to: [radio@reachbeyond.org.au](mailto:radio@reachbeyond.org.au). (Pradip Chandra Kundu-India/Asian DX Review)

**BOLIVIA** 3310, Radio Mosoj Chaski, Cotapachi, 0020-0035, 09-07, Quechua,

comments. 15321. Also 2325-2333, 10-07, Quechua, comments. 15421. (Manuel Mendez-Spain/Hard Core DX)

**BHUTAN** on SW appears to be gone for ever. (Victor Goonetilleke-Sri Lanka/DXplorer Jul 26) Sorry to hear about Bhutan. Let's hope, that they could still fix the tx, they usually got help from India, but corona-virus may have caused trouble in this. (Mauno Ritola-Finland/DXplorer 7/26)

**BRAZIL** Reception of ZYE521 Radio Inconfidencia via Belo Horizonte MG, July 23:  
from 1100 on 6010.1vBEL 005 kW Portuguese (DX Mix-Bulgaria)

4885, Radio Clube do Para, Belem, 0502-0520, 08-07, Portuguese, Radio Bandeirantes news. 25322. (Manual Méndez-Spain/Hard Core DX)

4965, R. Alvorada maybe is back. R. Alvorada(T), Parintins; 19/07, 0047 – 0051 male and female talks seems ads, Brazilian music (Tudo Vai Mal – Roberto Carlos). Poor, fady (Lúcio Bobrowiec-Brazil/The Mosquito Coast)

9550, Radio Voa Bontade, Porto Alegre, 2035-2044, 09-07, Portuguese, religious comments and songs. 15321. (Manual Méndez-Spain/Hard Core DX)

9819.1, Radio 9 de Julho, Sao Paulo, 2022-2040, 09-07, Portuguese, religious comments and songs. 25322. (Manual Méndez-Spain/Hard Core DX)

15190, Radio Inconfidencia, Belo Horizonte, 2010-2033, 09-07, programa Hora do Fazendeiro, comments, Brazilian songs. 24322. Also 2030-2050, 10-07, soccer, live matches. 23422. (Manual Méndez-Spain/Hard Core DX)

**BULGARIA** Additional frequency "For new organization" is 15355 via SPL Sofia: 1500-1900 on 15355 unknown language, July 8 in A-21 HFCC Database (DX Mix-Bulgaria)

11640, Radio Dabanga via Kostinbrod (Sofia), F/d eQSL received in 10 hrs. for my email report with audio files to: [radiodabanga@gmail.com](mailto:radiodabanga@gmail.com). (Pradip Chandra Kundu-India/Asian DX Review)

**CANADA** CFVP 6030 Calgary, Alberta: the SW transmitter has been repaired and was reactivated on 19 June after a long period off. It relays CKMX 1060 AM with "Funny 1060" comedy format. Reception reports may be sent to [qslcalgary@gmail.com](mailto:qslcalgary@gmail.com) for an e-QSL letter. (Harold Sellers) CFVP is not likely to be received in Europe. It is one of only two active low power SW broadcast stations in Canada, the other being CFRX Toronto on 6070 which relays CFRB 1010 AM. (British DX Club)

**CHINA** Voice of Guangxi Beibu Wan (Beibu Bay Radio) (Gov) Summer Schedule 2021  
Cantonese 1130-1200 daily 5050nnn, 9820nnn  
Chinese 1000-1130 daily 5050nnn, 9820nnn  
1300-1400 daily 5050nnn, 9820nnn  
2245-0100 daily 5050nnn, 9820nnn  
Multilingual 1500-1600 daily 5050nnn, 9820nnn (English 1515-1520)  
Vietnamese 1200-1300 daily 5050nnn, 9820nnn  
1400-1500 daily 5050nnn, 9820nnn (Relay of CRI Vietnamese prgr) (WRTH Update)

Yunnan Radio and Television International – Radio Shangri-La (Gov) Summer Schedule 2021  
Chinese 0950-1030 daily 6035sha Irregular  
1100-1630 daily 6035sha Irregular  
Vietnamese 1030-1100 daily 6035sha Irregular  
1630-1700 daily 6035sha (WRTH Update)

7345, The Voice of Guangdong-Hong Kong-Macao Greater Bay Area (CNR7), 1200, July 14. Strong signal; time pips and full ID with distinctive "F-M" references for Guangzhou; FM 101.2 for Zhongshan City, covering Shenzhen and Hong Kong; FM 105.4 for Zhuhai City - covering Macau and FM 93.2 for Foshan. (Ron Howard-CA)

11630, CNR17, from 1141 to 1303, July 17. Found // 9630, started at \*1200. Both frequencies fair to good reception. CNR17, which officially started on Jan. 1, 2015, now broadcasts to the Xinjiang Uygur Autonomous Region in northwest China, from a transmitter site located in in Shanxi Province. (Ron Howard-CA)

**CHILE** 6210, Radio Compania Worldwide, Chile; 15/07, 2238 - 2234, presumed, relaying RFI's Portuguese (European accent) service. from RCW to Brasil. Poor, fady. (Lúcio Bobrowiec-Brazil/The Mosquito Coast)

**CLANDESTINE** Frequency change of Dimtse Woyane Tigray via TDF Issoudun, July 5: 1500-1600 NF 17750 Tigrinya, ex 17870 Good signal + Ethiopian digital noise jamming. (DX Mix-Bulgaria)

Frequency change of Radio Tigray Media House via TDF Issoudun, July 5: 1600-1700 on 17750 Tigrinya, ex 17870. Good signal + strong Ethiopian digital noise jamming. (DX Mix-Bulgaria)

Reception of Radio Oni/Radio Yoni via TDF Issoudun, July 20: 1600-1630 on 15415 Afan Oromo, very good (DX Mix-Bulgaria)

Very good signal of Dimtse Bayto Yiakl USA via TDF Issoudun on July 17: 1630-1700 on 11760 ISS Tigrinya Wed/Sat (DX Mix-Bulgaria)

Dimtse Wegahta Tigray/Voice of the Dawn Tigray via Issoudun on July 20:

1700-1800 on 15340 Tigrinya, very good (DX Mix-Bulgaria)

Reception of NEXUS IRRS Shortwave clandestine broadcast Kashmir Civitas, July 13:

1500-1530 on 15170 unknown kW Urdu Tue. Fair/good (DX Mix-Bulgaria)

Sae Nala Bangsong (New Country Broadcasting) (Rlg) (New Entry) Summer Schedule 2021 in Korean 1600-1630 Wed/Fri/Sun 7505tac (WRTH Update)

Radio Ndarason Internationale Summer Schedule 2021 Kanuri/Kanembu/ French 0500-0600 daily 5960asc 0600-0700 daily 12050wof 0700-0800 daily 12050asc 1800-1900 daily 12050asc 1900-2100 daily 12050wof (WRTH Update)

Denge Welat Summer Schedule 2021 Kurdish 0230-0530 daily 9525iss± 0530-1600 daily 11530kch± 1600-2100 daily 11530iss± Key: ± Frequency may be varied to escape Turkish jamming (WRTH Update)

Voice of Oromo Liberation Summer Schedule 2021 Amharic 1730-1800 Wed 15420nau Oromo 1700-1730 Wed/Fri/Sun 15420nau (WRTH Update)

Reception of Dimtse Woyane Tigray DWT via TDF Issoudun on July 14: 0400-0500 on 11570 Tigrinya. Very good (DX Mix-Bulgaria)

Radio Dap Loi Song Nui DLSN / Vietnam Democracy Radio via Paochung, July 23: 1230-1300 on 9670 PAO Vietnamese, very good (DX Mix-Bulgaria)

Reception of Manara Radio International via TDF Issoudun, July 23:

1600-1700 on 15285 Hausa. Good signal (DX Mix-Bulgaria)

A new Yoruba broadcast to Nigeria via Woofferton was heard testing on 9890 between 1900-2400 on Sunday 13 June. The frequency had been registered in HFCC from Woofferton with 250 kW to West Africa. This station seems to use the name "Radio Ominira Yoruba" ("Radio Freedom Yoruba" in English) on its Facebook page. On their Facebook page they posted June that broadcasts will be every Saturdays and Sunday on 9890: "Tunein to Radio Ominira Yoruba on shortwave radio 9890 frequency. Listen to us every Saturday and Sunday from 2000 to 0100am Nigeria time on (shortwave radio) frequency 9890 SW." The presenter is Olayomi Koiki who is also an announcer on online station Starr Radio based in London which focuses on Nigerian issues. As of 18 June this service is no longer scheduled for transmission from Woofferton, it appears to be another very short-lived broadcast to Africa. (Thanks to Alan Pennington, Ron Howard, Alan Roe, Wolfgang Bueschel and Dave MOMYA/British DX Club)

11530, Radio Denge Welat via Kishinev-Grigoriopol, Moldova f/d eQSL received on 5th June 2021 for email report to: [prtc@idknet.com](mailto:prtc@idknet.com) V/S Admin. of Pridnestrovsky Radiotelecentr. (Babul Gupta-India/Asian DX Review)

**COLOMBIA** La Montana Colombia on 4940 Maicao, July 20: from 0806 on 4940 MIA 001 kW Spanish (DX Mix-Bulgaria) 4940, Religious Station, 0407-0433, 11-07, program "Lecciones de la Historia Colombiana". 25322. (Manual Méndez-Spain/Hard Core DX)

**CONGO** Weak signal of Radio Congo in French via Brazzaville on July 26: from 0600 on 6115 French (DX Mix-Bulgaria)

6115, Jul 24, 0538, R. Congo, language sounded right to be them and with the usual, distinctive kalimba music that is often played on this station. Great to have them back again! (Ron Howard-CA/Shortwave Bulletin) Radio Congo signing on at \*0557 July 22, open with Vern comments, at 0600 French, news, comments., ads, mx, ID: "Radio Congo". Extremely weak due to daylight. (Manuel Mendez-Spain, BrDXC-UK groups.io July 21 / 22/TopNews)

**CUBA** Reception of China Radio International CRI via Titan Quivican, July 8: 1200-1257 on 9570 Cantonese, very good (DX Mix-Bulgaria)

**DENMARK** WMR is now using new 25800 it's on air 24/7. (Stig Hartvig Nielsen 14 June) It's been a very long time since the 11 metre band was last used by broadcast stations, but with increasing solar activity will be an interesting frequency to watch, it has already been logged by BDXC members in HF Logbook. (British DX Club)

**ESWATINI** The transmitter in Eswatini, formerly known as Swaziland, broadcasts in 54 East and Southern African languages. The Eswatini Transmitter went on-air in 1974 and has been blanketing Southern Africa with the gospel message over shortwave ever since. (Mike Terry-UK/British DX Club/TopNews)

The Sunday-only broadcast from TWR Africa is being heard well here from 1800-1840 on 9380 (from TWR's relay station in Manzini). The first part of the programme is in English followed at 1825 by an African language and closes at 1840. A report sent to [info@twrafrica.org](mailto:info@twrafrica.org) resulted in an e-qsl. (Allen Dean-UK/British DX Club)

Summer A-21 frequency changes of Trans World Radio Africa:  
1420-1435 NF 9585 MAN Portuguese Mon-Fri, ex 7315

1435-1450 NF 9585 MAN Lomwe Mon-Fri, ex 7315  
 1420-1450 NF 9585 MAN Makhuwa Sat, ex 7315  
 1500-1530 NF 11945 MAN Somali Daily, ex 9500  
 1530-1545 NF 11945 MAN Somali Sat/Sun, ex 9500  
 1530-1545 NF 13580 MAN Juba Arabic Mon-Fri, ex 11820  
 1630-1645 NF 3240 MAN Shangaan Tue, ex 3200  
 1630-1645 NF 3240 MAN Portuguese Sat, ex 3200  
 1745-1815 NF 9380 MAN Swahili Mon-Fri, ex 9515  
 1745-1840 NF 9380 MAN Swahili/English Sun, ex 9515  
 1745-1800 NF 9380 MAN Turkina Sat, ex 9515  
 1800-1830 NF 9380 MAN Swahili Sat, ex 9515  
 1802-1902 NF 9575 MAN Arabic Mon-Fri, ex 9500 (Via HCDX Ivo Ivanov Bulgaria/New Zealand DX Times)

**ETHIOPIA** 6090, Voice of Amhara State, Addis Ababa, 1702-1721, 06-07, Vernacular, comments, East African songs. 25322. (Manual Méndez-Spain/Hard Core DX)

6110, Radio Fana, Addis Ababa, 1825-1837, 06-07, East African songs, Vernacular, comments. 24322. (Manual Méndez-Spain/Hard Core DX)

**GERMANY** Radio Mi Amigo's 6085 transmitter back on the air! After 10 days of cleaning, pumping out 15.000 liter of water, engineers Christian and Rudi managed to get all 3 Shortwave transmitters in the underground Sendezentrum Bunker in Kall-Krekel, in the German Eifel that was hit so hard by extreme rainfall, back online. On behalf of everyone at Radio Mi Amigo, we thank Rudi, Christian, Sabine, Burkhard and everyone who worked so hard to help save this unique broadcast centre! (Radio Mi Amigo, Saturday July 24 / 19/TopNews)

Very good signal of Evangelische Missions Gemeinden via MBR Nauen, July 10: 1030-1100 on 6055 German Sat/Sun (DX Mix-Bulgaria)

Reception of Adventist World Radio in French via MBR Nauen, July 15: 0430-0500 on 6155 French. Very good signal (DX Mix-Bulgaria)

Deutscher Wetterdienst DWD via SDR Albertirsa HNG, July 28: 0600-0630 on 5905 PIN German, fair to good 0600-0630 on 6180 PIN German, good signal (DX Mix-Bulgaria)

**GREECE** I get the impression that the audio on the Voice of Greece on 9420 appears to be back to normal. Audio now sounds much cleaner & crisper. (John Gleeson-UK, 10 June/British DX Club)

**GUAM** Reception of FEBA Radio India via KTWR Trans World Radio Asia, Agana on July 26: 1245-1300 on 11590 TWR English Sun-Wed, very good (DX Mix-Bulgaria)

**INDIA** Happy Golden Jubilee to AIR Leh which is celebrated on June 25! It started as Radio Kashmir-Leh on 25 June 1971 and was renamed as AIR Leh on 31 Oct 2019. AIR Leh currently operates on 1053, 4760 & 6000, and 101.1. (Jose Jacob-India, VU2JOS/DX India) As you know the regional stations left shortwave other than for Jaypore 5040, Srinagar 4960 and Leh 4760. There was talk of possible Gangtok but nothing heard to date. (Victor Goonetilleke-Sri Lanka/DXplorer Jul 26)

Mr. N. Venudhar Reddy is new Director General of All India Radio. Mr. Anurag Singh Thakur is new Minister of Information and Broadcasting. Dr. L. Murugan is the new Minister of State in the Ministry of Information and Broadcasting. (Alokesh Gupta-India/DX India July 8) Ex All India

Radio engineer is minister in new cabinet. Devusingh Chauhan is the new Minister of State in the Ministry of Communications. Before taking the plunge into politics, the 57-year-old Chauhan is two-term Lok Sabha member from Gujarat. A diploma holder, he worked with the All India Radio from 1989 to 2002 before resigning and joining politics. (Alokesh Gupta-India/DX India July 8)

13710, All India Radio (Bangalore) at 0058 with Hindi songs, occasional Chinese announcements by woman; 0110 woman speaking in Chinese to 0114, then woman in English with mention of "Chinese service of All India Radio", brief music, 0115 off. Very good, powerful signal!, July 23. (Harold Sellers-BC/DXplorer)

**INDONESIA** 3325, Voice of Indonesia via Palangkaraya, July 21, after the news in Japanese, at 1210, with patriotic song "Garuda Pancasila"; after the news in English, at 1309, played the patriotic song "Bagimu Negeri"; VOI ID: "3-3-2-5 kilohertz." (Ron Howard-CA)

**JAPAN** Very good signal of NSB Radio Nikkei-1 via Chiba-Nagara, July 20: from 0900 on 6115 Japanese (DX Mix-Bulgaria)

3925, R. Nikkei 1, Japan, Nemuro; 15/07, 0936 – 0939 female in Japanese talks. Poor, fady //6055. (Lúcio Bobrowiec-Brazil/The Mosquito Coast)

**KOREA (North)** Voice of Korea (Gov) Summer Schedule 2021 English:  
0400-0500 daily 7220kuj, 9445kuj, 9730kuj  
0400-0500 daily 11735kuj, 13760kuj, 15180kuj  
0500-0600 daily 13650kuj, 15105kuj  
0600-0700 daily 7220kuj, 9445kuj, 9730kuj  
1000-1100 daily 11710kuj, 15180kuj  
1000-1100 daily 11735kuj, 13650kuj  
1300-1400 daily 13760kuj, 15245kuj  
1300-1400 daily 9435kuj, 11710kuj

1500-1600 daily 13760kuj, 15245kuj  
1500-1600 daily 9435kuj, 11710kuj  
1600-1700 daily 9890kuj, 11645kuj  
1800-1900 daily 13760kuj, 15245kuj  
1900-2000 daily 9875kuj, 11635kuj  
1900-2000 daily 7210kuj  
1930-2000 daily 11910kuj  
2100-2200 daily 13760kuj, 15245ku (WRTH Update)

**KOREA (South)** KBS World Radio (Pub) Summer Schedule 2021 English  
0200-0300 daily 9580kim  
0800-1030 daily 9770kim  
1300-1400 daily 15575kim  
1300-1400 daily 9570kim  
1400-1600 daily 9785kim  
1500-1700 daily 9515kim  
1600-1700 daily 9640kim  
2200-2300 daily 11810kim (WRTH Update)

**KUWAIT** Reception of MOI Radio Kuwait in English via Kabd Sulaibiyah on July 26: 0500-0800 on 15530.0 English. Very good 0500-0900 on 15514.7 Arabic Gen. Sce, instead English on July 24! (DX Mix-Bulgaria)

**KYRGYZSTAN** A challenging station to pick up on shortwave is Birinchi Radio, which is the public broadcasting corporation from the Kyrgyzstan capital of Bishkek. The station has operated on the two frequencies of 4010 and 4820 for many years now. However, the 4820 outlet is more difficult to hear due to its irregular schedule and lower power. The other frequency is more accurately 4010.21 just outside the 75-meter band, listed as 100kW and can be heard with patience and a good antenna! Depending on seasonal propagation characteristics, for listeners in North America, try between 0000 and 0200 when the all-darkness short path takes the signal over northern Europe and Greenland to Eastern North America. (Rob Wagner VK3BVW/Shortwave Bulletin)

Tonight listening to Kyrgyz Radio from this beautiful landlocked Central Asian country. One of the few that are still on shortwave for their domestic service because of the vastness of the country and the terrain. Kyrgyz R. is scheduled to s/off at 1800 on 4010 after the National Anthem and s/off proceedings at 1758. The music from this station characterises this region in Central Asia the Islamic culture and the nomadic tribal music of stringed instruments and whaling singing. You are taken into a different world listening through the static crashes. (Victor Goonetilleke-Sri Lanka/RUS-DX # 1143/Shortwave Bulletin) Recently monitored Kyrgyz radio, fair level, daily s/off exactly at 1800 daily on 4010. at 0000. (Victor Goonetilleke-Sri Lanka/DXplorer Jul 26)

**MADAGASCAR** Madaasikara hear most days. I don't think its anything more than 10kW now though Modulation is good 5009.912 from 1700 to past 2030. (Victor Goonetilleke-Sri Lanka/DXplorer Jul 26)

**MALAYSIA** 9835 // 11665, Sarawak FM, via Kajang, in // from about 1220 to 1313, today, which is Independence Day in Sarawak; 1250-1313, aired a national speech by Chief Minister for Sarawak, Abang Johari; mostly in vernacular, with some English; pointing out developments in the country; after 1313 not //; 11665, back to Wai FM programs; 9835 continued on with the Independence Day celebrations; ID for "Sarawak FM"; at times had fair reception, but also some adjacent QRM. (Ron Howard-CA)

11664.9, tentative RTV Malaysia, Wai FM (Kajang) at 1335 with Islamic prayer; checked again at 1358 and barely detectable, carrier off at 1400:45, Poor, July 8. (Harold Sellers-BC/DXplorer)

**MOLDOVA** Trans World Radio India in Kazakh via Grigoriopol on July 9:

1545-1600 on 11805 KCH Kazakh. Very good (DX Mix-Bulgaria)

**MYANMAR** Myanmar is heard on 5915, 5985, 6030 and 6165. Evening schedule 5915 sign off at 1400, so does 6165. 7345 is active 1000 to 1330. I am in the process of chasing on air schedule. (Victor Goonetilleke-Sri Lanka/DXplorer Jul 26)

5985, Myanmar Radio, July 21, from 1240 to 1249, with the well heard Wed. edition of "Say It In English"; a repeat of the show I first heard back in 2017. Fairly readable. (Ron Howard-CA)

9730, Myanmar Radio, from 1054 to 1059, okay reception till totally killed by extremely strong KNLS start-up; then clear again today from 1159 till past 1200. (Ron Howard-CA)

**NETHERLANDS** Two new stations are registered in A21 HFCC database: Radio Europe Netherlands via Adra 0000-2400 on 5940 ADR 001 kW Dutch from July 4. Offshore Music Radio OMR Rockpower via Nijmegen as of July 22: 1000-1700 on 7220 NIJ 001 kW Dutch, ex 24 hrs A-21 HFCC! 0000-2400 on 7215 NIJ 001 kW Dutch deleted in A-21 HFCC! 0000-2400 on 13685 NIJ 001 kW Dutch deleted in A-21 HFCC! (DX Mix-Bulgaria)

Frequency change of Radio Europe Netherlands via Alphen aan den Rijn: 0000-2400 NF 6170 AAR 001 kW Dutch, ex 5935 July 17 (DX Mix-Bulgaria)

7700/3920, FRS Holland kHz. E-QSL received in 61 days for report in English sent to: [frs@frsholland.nl](mailto:frs@frsholland.nl). (Christian Ghibaudo-France/British DX Club)

**NEW ZEALAND** Frequency changes at RNZ Pacific:

2300-0500 Daily 13840 (ex 15720) – from 17 May  
0500-0600 Daily 11725 (ex 15720)  
0600-0800 Daily 7245 (ex 11725)  
1300-1650 Sun-Fri 5980 (ex 6115) – from 16 June  
1300-1900 Sat 5980 (ex 6115) – from 16 June (RNZI web site/British DX Club)

**NIGERIA** 11770v, Saturday July 3 at 1931-1941, Voice of Nigeria, Abuja site, in Fulfulde. Man and woman announcers talk; 1933 Man says ID; 1934 Man communication. Fair reception this afternoon: Very good signal, fair modulation and QRM by CRI in German on 11775. (Jose Ronaldo Xavier-Brazil/Worldwide DX Club)

**NORTHERN MARIANAS** Reception of Radio Free Asia RFA via USAGM Tinian on July 21: 1230-1330 on 9960NF TIN Khmer, ex 9700. Very good  
1230-1330 on 12140 TIN Khmer no change, as scheduled in A-21 HFCC. (DX Mix-Bulgaria)

**PALAU** Very good signal of T8WH Angel 4 Hope Radio via Medorn on July 25: 0800-0920 on 15680 English Sun (DX Mix-Bulgaria)

Very strong signal of T8WH Angel 5 Hope Radio via Medorn on July 25: 0800-1105 on 9965 English Sun (DX Mix-Bulgaria)

**PERU** 4752, R. Huanta 2000, Huanta; 06-07/07, 2357 – 0003 local music selections, ID by female, ads by male and female. Poor to fair. (Lúcio Bobrowiec-Brazil/The Mosquito Coast)

4775, Radio Tarma, Tarma, 0102-0110 on July 21, Spanish, comments, advertisements. 25322. Also 0128-0136 on July 25, Spanish, comments. 35433. (Manuel Mendez-Spain, hcdx July 26/TopNews)

5025, R. Quillabamba, Cusco; 09/07, 2209 – 2213 ads by male “amigo agricultor...” female “tengan ustedes buenas tardes...Radio Quillabamba...”, local music. Poor to fair (Lúcio Bobrowiec-Brazil/The Mosquito Coast)

6174, R. Tawantinsuyo, Cusco; 26/06, 2300 – 2308 female in Quéchua/Spanish alternating short local music as a bridge to return talks. Fair deteriorating. (Lúcio Bobrowiec-Brazil/The Mosquito Coast)

**PHILIPPINES** Reception of Vatican Radio Mass in Chinese via USAGM Tinang, July 10: 1230-1310 on 9720 Chinese Sat, very good signal (DX Mix-Bulgaria)

9725, Radio Liangyou, via Bocaue, F/D (w/site) Transmission Line QSL Card in 13 months. E-mail to: [ARC@liangyou.net](mailto:ARC@liangyou.net). (Edward Kusalik-AB/DX Fanzine)

9920, FEBC Radio (Iba) at 1328 in Koho language, Christian song in language, 1329 closing announcements, 1330 musical interval signal and off. Very good, July 8. (Harold Sellers-BC/DXplorer)

15190, Radyo Pilipinas, E-QSL as E-Mail received in 1 day. promising a QSL if Covid situation will give possibility to send by Mail, for report to: [dzrp.radyopilipinas@gmail.com](mailto:dzrp.radyopilipinas@gmail.com). (Harald Suess-Austria/Worldwide DX Club)

**ROMANIA** 13650, Jun 20, 2029, RRI (Tiganesti) at 2029 // 9740 (Good beamed to Western Europe via Galbeni) with IS to opening music at 2030 and Daniel Bilt with ID, target areas, etc. and Vlad Palcu with nxat 2031 – Very Good. I’m truly convinced that RRI has absolutely no problems with their transmitters. They’ve just shut down // frequencies as a cost saving matter no what the on air staff tells us. After all, they’re just being fed the story to tell us and probably have no idea of the real reason behind the

reduction in frequencies in use. Do any of you out there still believe that RRI is experiencing technical problems with their transmitters? (Coady-ON/Shortwave Bulletin)

**RUSSIA** 9996, RWM-Timesignal, Moscow. Time signal service, QSL received in 20 days for report to: [gsvch@vniiftri.ru](mailto:gsvch@vniiftri.ru). (Harald Suess-Austria/Worldwide DX Club)

**SOLOMON ISLANDS** 9545, SIBC, anomaly from tune in 0730+, July 19. Normally this frequency closes at 0500\*; In Pijin; some commercial announcements; 0801, calliope and news; "This news comes to you from the Solomon Islands Broadcasting Corporation"; 0813, National Anthem, followed by a major national speech in English, with updated info about COVID-19 cases and COVID-19 vaccination info; heavy QRN (static). (Ron Howard-CA) Thanks to Bryan Clark for his response on July 19. SIBC continues its use of 9545 in lieu of 5020. Fair, clear signal in northern NZ at 1955. (Ron Howard-CA)

**SPAIN** Radio Exterior de Espana's 'Amigos de la Onda Corta' latest show marks the history of the 50 years of the Noblejas Broadcast Center. Noblejas is the only shortwave site that REE currently has to broadcast the country's events. The Shortwave Broadcast Center No. 2 was inaugurated on July 21, 1971. It is the largest space in dimensions that the Spanish Radio Television Corporation currently has. For half a century, Noblejas has been the voice of Spain to the world, the only transmission site that Radio Exterior de Espana currently has after the closure of the centers in Santa Cruz de Tenerife in 1982, Arganda del Rey (Madrid) in 1985 and Cariari de Pococi (Costa Rica) in 2013. It occupies 355 acres and has a main building with three floors offering 8,000 square meters of useful area and housing four transmitters. The antenna field consists of 27 directional curtain arrays that encompass some three kilometers in length.

It was only absent for two months (from October to December 2014) when the government wanted to halt REE shortwave broadcasts (ed. : RTVE budget cuts). Fortunately, the broadcasts returned, and listeners still can enjoy eight hours of daily broadcasting on that band. (TopNews)

Radio Exterior's English broadcast which is scheduled from 2200-2230 on Monday, Wednesday and Friday is now on 11670 (ex 11685), 11940, 15520 and 17855. (British DX Club)

**SRI LANKA** SLBC 0030-0059, 0200 to 0230 on 11905 Hindi. 1630-1800 to the Middle East on 11750. 125kW from Trincomalee. I can still QSL any reports you guys want. (Victor Goonetilleke-Sri Lanka/DXplorer Jul 26)

**SUDAN** 9505, Voice of Africa, Al Aitahab, 1650-1658, 06-07, French, news, comments, ID "La Voix de LaAfrique", African songs. QRM from Radio Romania on 9500. 32432. (Manual Méndez-Spain/Hard Core DX)

**TAIWAN** Fu Hsing BS, on July 1, again heard on 9410, a freq that had been silent for about three months, being // to the regularly heard 9774, while no signal on // 15375, which xmtr is rarely used; 0900-1000\* announcers playing a wide variety of music; EZL songs, indigenous chanting, traditional Chinese music, etc.; re-activated 9410 much stronger than 9774; positive //, even with heavy QRN and weak signals; 9410 was blocked at \*0958, with start of BBCWS/Kranji, in English. Very pleased to find 9410 active again! (Ron Howard-CA via wwdxc TopNews July 2)

**TAJIKISTAN** There hasn't been a log of Dushanbe on 4765 in Tropical Bands Logbook this year, and Anker Petersen's latest Domestic Broadcasting Survey says the last log was in February 2021, noting transmitter problems. However, Tony Rogers has

confirmed it is on the air, with a log on June 26th, heard until sign-off at 2000. (via an SDR in Kuwait/British DX Club)

**THAILAND** 7475, Radio Thailand, Bangkok, German Service, QSL received in 105 days for report to: [rthworldservice@gmail.com](mailto:rthworldservice@gmail.com). (Harald Suess-Austria/Worldwide DX Club)

9390, Radio Thailand (Ban Dung) at 1242 with ID, FM frequency, website, "You are listening to Radio Thailand News Hour." Fair, July 8. (Harold Sellers-BC/DXplorer)

**TURKEY** QSL Voice of Turkey - programs in German, French and English at the beginning of last month. The QSL topic for May 2021 is Amasra (a city on the western Black Sea coast). Reported to the general VOT address - [tsr@trt.net.tr](mailto:tsr@trt.net.tr). (Konstantin Barsenkov-Russia via RUSdx #1138 via wwdxc BC-DX TopNews June 20)

9660, TRT English program, email reception report verified with beautiful QSL card by airmail received in 115 days. Email: [tsr@trt.net.tr](mailto:tsr@trt.net.tr). (Ratan Kumar Paul-India/Asian DX Review)

9840, Voice of Turkey. German Service. QSL received in 34 days for report sent to: TRT - The Voice of Turkey, German Redaktion, P. K. 33, 06443 Yenisehir-Ankara, Turkey. (Paul Gager-Austria/British DX Club)

**UNITED ARAB EMIRATES** Reception of NHK World Radio Japan via ENC-DMS Al-Dhabbayya on July 9: 1400-1430 on 11830 DHA English. Fair/good signal (DX Mix-Bulgaria)

Frequency, time & transmitter changes of Trans World Radio Africa from July 12:  
1815-1900 NF 6165 DHA Tigrinya Mon-Thu, ex 1800-1845 on 9940 KCH  
1830-1900 NF 6165 DHA Tigrinya Fridays, ex 1815-1845 on 9940 KCH

1815-1845 NF 6165 DHA Tigre Saturdays, ex 1800-1830 on 9940 KCH  
1845-1900 NF 6165 DHA Tigrinya Saturdays ex 1830-1845 on 9940 KCH  
1830-1900 NF 6165 DHA Kunama Sunday only ex 1800-1830 on 9940 KCH (DX Mix-Bulgaria)

Reception of NHK World Radio Japan via ENC-DMS Al-Dhabbayya on July 9:  
1300-1330 on 15365 DHA Bengali. Fair/good signal (DX Mix-Bulgaria)

**UNITED KINGDOM** BBC World Service frequency changes:  
0000-0100 English to S As on new 9575-wof (ex 5890-erv) - from 15 June  
0030-0200 Dari/Pashto to Afghanistan on new 7295-mos (ex 7250) - from 16 June  
0100-0200 English to S As on new 11995-sng (ex 12065) - from 11 June (Bulgarian SW Blog/British DX Club)

**USA** VOA Deewa Radio (Gov) Summer Schedule 2021  
Pashto 0100-0300 daily 9840dha  
0100-0400 daily 621kho, 12035udo, 13745udo  
0300-0400 daily 9840kwt  
1300-1700 daily 12035udo, 13820kwt, 15640lam  
1300-1900 daily 9310udo  
1700-1900 daily 5890udo, 7540udo, 12035lam (WRTH Update)

VOA Studio 7 (Gov) Summer Schedule 2021  
English/Ndebele/ Shona 0400-0500 Mon-Fri 4930bot, 6170sao  
1700-1800 daily 4930bot, 6040bot, 15460sao  
1800-1900 Mon-Fri 4930bot, 6040sao, 15460sao (WRTH Update)

Supreme Master TV (Rlg) Summer Schedule 2021  
English 0100-0700 daily 9455rmi  
0700-1000 daily 9395rmi  
1000-1100 daily 9455rmi  
1100-1400 daily 7570rmi

1400-2000 daily 15770rmi  
2000-2200 daily 9395rmi  
2200-0100 daily 5800rmi (WRTH Update)

WMLK (Rlg) Inactive on SW awaiting delivery/installation of new 250kW SW tx (WRTH Update)

WINB (Rlg) Summer Schedule 2021  
English 0700-0830 Mon-Fri 9265inb DRM  
0700-1000 Sat/Sun 9265inb DRM Irregular  
0830-1100 Mon-Fri 9265inb DRM  
1100-0400 daily 9265inb  
1100-0400 Sun 9265inb  
1100-1700 Mon-Fri 15750inb DRM  
1300-0230 Sat 9265inb (WRTH Update)

**UZBEKISTAN** Reception of FEBA Radio India via RRTM Telecom Tashkent, July 9:  
1430-1500 on 11805 TAC Hindi Wed-Sun.  
Very good (DX Mix-Bulgaria)

**VANUATU** 7260, Jul 9, 0540, Radio Vanuatu, on 7260, from 0540 to cut off at 0559\*; played various music. RV, suddenly on, continuing in progress; \*0559, on 7890H // 11835H; 0600-0602 brief "News Update." Too early for 3945 reception. (Ron Howard-CA/Shortwave Bulletin)

7890 (H), R. Vanuatu and at times relay of Paradise FM 98, from 0705+, July 15. Station was having some issues with their audio today; a number of times noted with two different audio feeds at the same time, creating a mess; at 0803, fairly clear ID slogan - "Any where, any time, Paradise FM, simply the best." This is the first time I have ever heard this situation! 7890 // 11835, both harmonics, Radio Vanuatu, 0600-0602, July 14. News Update; 0630-0634, the regular segment of "messages" in Bislama, which started and ended with nice indigenous drum music. Wed. continues to be the only day that CNR2 (11835) closes

down at 0600\*, leaving RV in the clear. (Ron Howard-CA)

**VATICAN** Reception of NHK World Radio Japan in English, July 10:  
0500-0530 on 7245 SMG English Sat/Sun;  
0430-0500 Mon-Fri, good (DX Mix-Bulgaria)

9700, Radio Veritas Asia via SMG site. 0000-0027 in Kochin and Jingpho. (Gilbert-Australia/Australian DX News)

**ZAMBIA** 4965, Voice of Hope Africa, Lusaka, 2003-2016, 06-07, religious songs and comments, English. // 6065. 15321. (Manual Méndez-Spain/Hard Core DX)

5915, Zambia NBC, Radio 1, Lusaka, 2021-2037, 07-07, Vernacular, comments. 25322. Also 2032-2044, 09-07, Vernacular comments, songs. 25422. Also 0355-0407, 11-07, Vernacular comments. 15321. (Manual Méndez-Spain/Hard Core DX)

6065, AWR Wavescan - JSWC segment via Voice of Hope Africa, Lusaka. Received eQSL card after 43 days for email report including link to uploaded audio sent to [jswcqsl@live.jp](mailto:jswcqsl@live.jp). QSL signed by Japan Short Wave Club QSL Manager, Kazuhiko I was showing painting by the late Mr Kim Yeong. (Alan Pennington-UK/British DX Club)

**ZANZIBAR** 6015, Zanzibar Broadcasting Corporation, Dole, 0340-0358, 11-07, Vernacular comments. 24322. (Manual Méndez-Spain/Hard Core DX)

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](mailto:rdangelo3@aol.com) (please indicate in the subject that your contribution is for Listeners Notebook). Thanks! 73, Rich

# Pirate Radio Report

Brian Penney • 30 Acorn Way • Brewster, MA 02631 • [swradio@comcast.net](mailto:swradio@comcast.net)

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Welcome to another edition of the Pirate Radio report. The HF bands continue to be busy with pirate activity. Independence Day holiday weekend was particularly active.

This month's column is dedicated to the new SWL who may be curious in listening to something a bit different than traditional HF fare. So, if you're itching to hear your first HF pirate radio broadcast, here are several pointers to get you started.

## **DAYS TO LISTEN**

Pirates can be heard just about any day of the week. To increase your odds of hearing that first pirate broadcast, weekends are usually the most active.

## **TIMES TO LISTEN**

The evening hours into early morning is when the bands are most active. During the day on weekends and holidays are also a good bet as well.

## **HOLIDAYS**

A definite increase in pirate activity can be observed in and around major holidays. Halloween has traditionally seen the most activity, as well as Christmas and New Year's. Although major holidays can garner the most pirate loggings, I've received pirates commemorating *National Sloppy Joe Day* as well as celebrating rock musician *Suzie Quatro's birthday*. Any holiday is a good time to listen to the bands and increase your chances of bagging a pirate.

## **FREQUENCIES**

Most of the current North American pirate activity is currently taking place around 6850 kHz - 6980 kHz although any frequency in the HF spectrum is fair game, so tune around.

## **ONLINE RESOURCES**

In the June 2021 installment of the Pirate Radio Report, Chris Lobdell highlighted the following online resources available to the pirate DXer. [HF Underground](#), [Free Radio Network](#), and [Free Radio Weekly](#) are all invaluable resources for the pirate radio enthusiast.

## **YOUR FIRST HF PIRATE**

The chances that you'll actually hear an HF pirate are quite good, so check out the online loggings to see which stations been the most active. As an example, *Ballsmacker Radio* has been heard most Friday evenings on 6960 kHz AM, around 0100 UTC. For those looking to receive a europirate, tune in to 6985 kHz AM most evenings for *The Vault*. This europirate is best heard on the east coast, but there have been many loggings west of the Mississippi as well.

## **RECEPTION REPORTS & QSLs**

Pirate stations value reception reports and will for the most part, reciprocate with a QSL or eQSL. Even those operators who do not QSL appreciate all reception reports, so support your "local pirate" and send those in

as well! In case you miss the station giving out their email address, HF Underground has a list of Pirate Radio Station email addresses on their wiki page. Any edition of Andrew Yoder's *Pirate Radio Annual* is also a good resource for email addresses and mail drop information. Although not as popular as they once were, some mail drops are active and still used by a few stations. A fairly new station, *Foxy AM*, surprised me a few months ago by verifying my reception reports with an actual paper QSL sent in the mail. You may want to consider including your mailing address as part of your reception reports.

That's just a quick primer to begin your journey on what can be a rather unique journey along your shortwave listening career! Be sure to check out what other NASWA members are listening to right here in the Pirate Radio Report and remember, your logs are always appreciated!

Speaking of logs, many thanks to this month's contributors: Glen Hauser, Chris Lobdell, Greg Majewski and Gianni Serra.

4869.99-AM, PIRATE-EUROPE, **MYSTERY RADIO 21**, 0028-0042, 06-27-21, nonstop techno pop songs; ceaseless better in SSB, rapid QSB, moderate QRN in increasing, fair/almost good (Serra-Italy)

6284.93-AM, PIRATE-EUROPE. **KR1 RADIO**. 1818-1837, 07-18-21, ongoing rock songs (Led Zeppelin's Stairway to Heaven etc), man DJ poor/poor/almost fair at times (Serra-Italy)

6285-AM, PIRATE-NA. **X-FM**. 0252-0416+, 07-11-21, DJ Red Hat playing alt rock and others by Alan Parsons Project, Bryan Ferry, Big Data, Yunglud. In narrow band mono today. S-7 (Lobdell-MA)

6868-AM, PIRATE-NA. **WDOG**. 0110-0154\*, 07-10-21, Playing some nice rock oldies by

Rolling Stones, Donovan, Grand Funk Railroad, Norman Greenbaum. IDs and canine sound effects. S7-9 signal. (Lobdell-MA)

6925-USB, PIRATE-NA. **SKUNKHOUSE RADIO**, 0056, 06-20-21, Banana-boat novelty song, but only S7 vs S9 high noise level. (Hauser-OK)

6925-AM, PIRATE-NA. **YEAH MAN RADIO**, 2321-2339, 06-25-21, It was a Solid Gold Million Dollar Weekend, with Steppenwolf, until 2339 when the signal faded. Fair Signal (Majewski-CT)

6925-USB, PIRATE-NA. **POOP DECK RADIO**. 0127-0234+, 07-04-21, Nice selections of oldies including the obscure 1970 "Keem-O-Sabe" instrumental by the Electric Indian! Nice S9 plus level (Lobdell-MA)

6925-AM, PIRATE-NA. **NUTTIN' ON SHORTWAVE**. 2308-2330, 07-15-21, Music from AC/DC. Da Crusha' w/ID and commentary. Good signal. S8. (Penney-MA)

6925-USB, PIRATE-NA. **EYE OF THE KAT**. 0037-0054, 07-17-21, DJ Dickweed having fun playing Bruce Springsteen songs. One that I recognized was Mansion on the Hill. Good Signal (Majewski-CT)

6930-USB, PIRATE-NA. **DAMN SKIPPY**, 0200-0212, 06-20-21, Heard CCR Who will stop the rain and slow scan TV id. Poor/Fair Signal (Majewski-CT)

6931.6-AM, PIRATE-AM. **CAPTAIN MORGAN SHORTWAVE**, 0019-0022, 06-21-21, Just caught the tail end of the show. Used HF Underground to identify station. Off at 0022 Fair signal with poor audio. (Majewski-CT)

6935-USB, PIRATE-NA. **GOAT HERDER RADIO**. 0110-0132+, 07-03-21, Zeeky playing tunes by Kenny Rogers, Spanky &

Our Gang, John Stewart, Joni Mitchell. S7-9. (Lobdell-MA)

6935-AM, PIRATE-NA. **BLACKSTAR RADIO**. 0040-0105, 07-25-21, Music by David Bowie, off his Blackstar album. OM w/ muffled ID. Good signal w/ fading. S7. (Penney-MA)

6950-USB, PIRATE-NA. **WOLVERINE RADIO**, 0049, 06-27-21, pirate music at S9/+10, including storm noise, convenient two-word ID interjected at 0051 (Hauser-OK)

6950-USB, PIRATE-NA. **WTF RADIO WORLDWIDE**. 0123-0139\*, 07-03-21, Program of rock tunes by John Cougar Mellencamp, Frank Black, David Bowie. Sign off 0139 after USA NA. S9 (Lobdell-MA)

6950-USB, PIRATE-NA. **WDDR-DRUNKEN DJ RADIO**. 0154-0257+, 07-05-21, The Wolverine's alter ego playing tunes by David Bowie, B52s, Van Morrison, Little Feat., Mamas & The Papas. Mostly S9 (Lobdell-MA)

6950-USB, PIRATE-NA. **RADIO GENIX**, 0111, 07-06-21, Pirate music S6 vs storm crashes peaking S9. (Hauser-OK)

6955-USB, PIRATE-NA. **PIRATE WITHOUT A NAME**. 0145-0200, 07-17-21. Ethereal Music by various artists. OM w/ID. Decent signal. S5 - S7. (Penney-MA)

6960-USB, PIRATE-NA **RADIO FREE WHATEVER**. 0000-0121+, 06-28-21, DJ Dick Weed playing alt rock, etc. Tunes by Bass Drum of Death, Miami Horror, Deep Valley among others. Nice audio S9 signal. (Lobdell-MA)

6960-AM, PIRATE-NA. **BALLSMACKER RADIO**. 0103-0233\*, 07-03-21, This show's theme was America. Tunes by Green Day, Guess Who, Bad Religion, etc. Variable reception (Lobdell-MA)

6960-AM, PIRATE-NA **WTF RADIO WORLDWIDE**. 0040-0113, 07-04-21, Rock music with the theme America/Americans. Tunes by Neil Diamond, Neil Young, David Bowie, etc. S9 (Lobdell-MA)

6960-USB, PIRATE-NA. **RADIO FREE WHATEVER**. 0102, 07-19-21, pirate music S6-S8, DJ talk about albums, Radio Free Whatever ID (Hauser-OK)

6965-AM, PIRATE-NA. **THE BEGINNING**. 2100-2200, 07-05-21. Techno/Pop and instrumental music. ID & email addy by OM. Decent signal. S6. (Penney-MA)

6870-AM, PIRATE-NA. **ION RADIO**, 0105, 06-26-21, Just caught a reference to the Mothers of Invention. Fair/Poor Signal (Majewski-CT)

6974.9-AM, PIRATE-NA. **NOWHERE RADIO**, 0110, 07-06-21, JBA pirate music, presumed usual Nowhere Radio on this exact frequency. (Hauser-OK)

6985-AM, PIRATE-EUROPE. **THE VAULT**, 2332-2328, 07-09-21, played an old Beatles tune with a male announcer, Good carrier but low audio. Poor. (Majewski-CT)

12100-USB, PIRATE-NA. **MIX RADIO INTERNATIONAL**. 0030-0036, 07-08-21. Cool Jazz favorites. YL w/ ID. Weak signal with exceptional audio. S3 - S4. (Penney-MA)

# QSL Report


Sam Barto • 78 Blakeman Road • Thomaston, CT 06787


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In order to facilitate contributions to the QSL Report, you may now send your reports via email to your Journal layout person, Richard Murphy, at [rm271828+QSL@gmail.com](mailto:rm271828+QSL@gmail.com). Richard will collect all reports, including forwarded eQSLs and scanned physical QSLs, print them, and send them to Sam Barto. Of course, please feel free to send them directly to Sam via postal mail using the address in the masthead above. For scanned QSLs, please scan both sides, and try to send PDF,

JPG, or PNG files. Please include the usual details on response time, number of attempts, and the QSL signer, if any.

When QSLs are reported, this column will appear in the February, June, August, and/or December Journal issues. Questions may be emailed to the address in the prior paragraph.

**NASWA Electronic Flashsheet:** Are you getting the latest hot information about what is happening on the shortwave bands? If you have not signed up for the club's electronic Flashsheet service, you are missing out on timely news and information about the DX scene that will enhance your shortwave listening pleasure. If you are a current member of the club and want to receive the electronic Flashsheet, just drop Rich Cuff ([hq@naswa.net](mailto:hq@naswa.net)) 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](mailto:markokpik@gmail.com). The club's electronic Flashsheet helps members stay on top of the action with breaking shortwave news and information. The electronic newsletter is an excellent supplement to the monthly Journal for the timely dissemination of DX loggings and breaking news. 

**NASWA Facebook Page:** Join moderator Richard Murphy < [rm271828@gmail.com](mailto:rm271828@gmail.com) > at the club's Facebook page which provides members with another way to keep in touch. This group is intended for social interaction between the club members and will not be used to publish loggings, articles, or other materials that would normally appear in The Journal, the NASWA E-group at Groups.io, or the Flashsheet. While the existence of the group is visible to all Facebook users, the online postings are available only to group members and group members must be NASWA members. Comments and suggestions from the membership are welcome. To locate the NASWA Facebook page, log into your Facebook account and then enter "North American Shortwave Association" into the Facebook search box at the top of the page. If you are into social media, give it a try. 

# Contributors' Page

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The following people made contributions to this issue.

The rightmost column is the column key: first letter of column name, except L = Loggings, LN = Listener's Notebook, and LR = Listening Review.

<b>Greg MAJEWSKI</b> , Oakdale, CT	Air Spy HF+, Xiegu G60 SDR	L,P
<b>Mark TAYLOR</b> , Madison, WI	Perseus, Elad FDM-SW2, Airspy HF+ dual & Discovery, various portables; W6LVP loops, Welbrook ALA 100 N	L
<b>Rich D'ANGELO</b> , 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	L
<b>Vince HENLEY</b> , Anacortes, WA	WiNRADiO G39DDCe SDR, ICOM IC-R8600, Ten-Tec RX-340, SDRPLAY RSPdx, TECSUN PL-880. Antennas: whip on PL-880 and Alpha-Delta DX-Ultra installed broadside east - west at 30 feet for all others.	L
<b>Bill MCDAVITT</b> , Englewood, FL	Kenwood TS-440SAT with DX Engineering DXE-RPA-2 Preamp 75' End Fed Longwire up 40' / Hustler Vertical 5BTV w/35 radials and a buried in ground Alpha-Delta DX-SWL	L
<b>Rob WAGNER</b> VK3BVW - Mount Evelyn, Australia	Yaesu FTDX 3000, Kenwood TS2000, Yaesu FRG100, FRG-7, Kenwood R5000, Tecsun PL-680, Horizontal Sky Loop 100m long, 30m Delta Loop, 14 MHz Double Bazooka, MFJ-1026 Noise Cancelling Module, ATU.	L
<b>Rick BARTON</b> , Sun City, AZ	SW-1, SW-8, SW-2000629, Satellit 205/TR5000, HQ-180A, long wires and Slinky, indoor shortwire and improvised window frame antenna.	L
<b>Eric BUENEMAN</b> , Hazelwood, MO	SDRplay RSPdx software-defined receiver, Sangean ATS-803A, 30' longwire, Apex 303WA-2 vertical antenna	L
<b>Eric BUENEMAN</b> , DXEP Babler State Park, Wildwood, MO	Tecsun PL-600, MFJ-1022 active antenna	L

<b>Andre FREDETTE</b> , Oakville, Ontario	JRC NRD 535D, Icom R-75, Drake R8B, PAR ES-SWL 65 ft. antenna, Global AT- 2000 ATU	L
<b>Gianni SERRA</b> , Roma, Italy		P
<b>Glenn HAUSER</b> , Enid OK	NRD-545 with ALA-330S, IC-R75, PL- 880, random wires	L,P
<b>Brian PENNEY</b> , Brewster, MA	Perseus, Wellbrook ALA1530LN	P
<b>Chris LOBDELL</b> , Stoneham, MA	Eton E1, JRC NRD-525, 535 and 545, Icom IC-7300, MFJ G5RV dipole	P

## Loggings

Dave Turnick • 372 Spohn Road • Sinking Spring, PA 19608 • [david.turnick@gmail.com](mailto:david.turnick@gmail.com)

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- 2325 AUSTRALIA Station Test Wee Waa**, NSW. Station seems to have no name! Relays programming from "Station X", which is an AM narrowband and FM operation in Wee Waa, (Wagner – AUS)
- 4750 INDONESIA Voice of Indonesia** - Music selections in the English service at 2150, ID 2159, into Japanese at 2200, fair signal, Jun 19. (Wagner – AUS)
- 4885 BRAZIL Radio Clube do Para** 07/06/21 0858 Portuguese. Elvis tune "It's Now or Never" to Station ID at 0900 by male "Clube do Para" 4/5/4/4/4 (McDavitt-FL)
- 4885 BRAZIL Radio Clube do Pará** ZYG362 Belém, Pará – 6/24 0020 noted with commentary in Portuguese. SIO 323. (Bueneman-MO/BSPDX)
- 4940 COLOMBIA La Montana** (P), 0150, 5/19/21 in Spanish. Man and woman conversing (maybe an interview.) Poor – fair. (Taylor – WI)
- 5010 UNITED STATES WRMI** Okeechobee, FL – 6/24 0024 noted with commentary in Spanish. SIO 333. (Bueneman-MO/BSPDX)
- 5025 CUBA Radio Rebelde** CMBA Bauta, Ciudad de la Habana – 6/23 2301 noted with news in Spanish. SIO 323. (Bueneman-MO/BSPDX)
- 5040 CUBA Radio Havana Cuba** via La Habana – 6/24 0027 noted with light vocal music, interval signal, "Radio Habana Cuba" ID into interview in Spanish at 0030. SIO 444. (Bueneman-MO/BSPDX)
- 5045 AUSTRALIA Island FM 88** - Macleay Is, QLD. At 2135 (7:35am here) with a selection of ancient pops and no anncmts. Fair signal and faded by 2230. Does quite well for only 200 watts! Jun 19. (Wagner – AUS)
- 5915 ZAMBIA ZNBC**. Radio 1 network with Afro music programming, pleasant selection of songs at 2205, anncmts in local language, fair signal, Jun 18. (Wagner – AUS)
- 5940 FRANCE Radio. Algerienne**. Chaîne 1 Arabic service to CAf (160 deg) at 2145 with commentary, 2154 canned anncmts, 2155 songs, good signal. // 5930 to WAf (194 deg) but slightly weaker there. 5940 kHz off at 2200 but 5930 continues with Qur'an at 2200. Jun 18. (Wagner – AUS)
- 5995 MALI Radio. TV du Mali**. News in French at 2120. ID at 2129, then into a local language (possibly Bambara) at 2130 with commentaries. Fair signal but with

- some degradation due to the return of co-channel Echo of Hope jamming. Jun 18.  
(Wagner – AUS)
- 6035 **BRAZIL** Radio *Aparecida* 0139, 5/19/21 in Portuguese. Man interviewing a woman at some length. Poor – fair. (Taylor – WI)
- 6035 **UNITED ARAB EMIRATES** *BBC* Midwinter Broadcast. 2130-2200, fair to poor signal. 7305 kHz via Woofferton proved to be the better option here with a fair signal. 6170 via Ascension had a very weak carrier but the signal was unusable... June 21. (Wagner – AUS)
- 6060 **IRAN** *VoIRI*. Lo-fi audio signal bordering on distortion with Arabic telephone talkback and occasional songs at 2215. Fair to poor signal, Jun 18. (Wagner – AUS)
- 6070 **CANADA** *CFRX* 07/06/21 0930 English. Station ID "News Talk 1010" followed by traffic and weather 3/5/3/3/3 (McDavitt-FL)
- 6070 **CANADA** *CFRX* Toronto, ON – 6/23 2347 noted with local ads, "News/Talk 1010" ID into political talk in English. SIO 333. (Bueneman-MO/BSPDX)
- 6090 **ETHIOPIA** *Amhara State Radio* 0315, 5/23/21 in Amharic. Horn of Africa music, man then woman announcer back to same man for at least 10 minutes. Poor – fair. Thanks to Ralph Perry. (Taylor – WI)
- 6160 **UNITED STATES** *WBCQ* 2340-2355 May 22 Radio Tim Tron. Tim Tron with his great choice in songs and comments. Good to Excellent Signal (Majewski CT)
- 6160 **UNITED STATES** *WBCQ* 0035-0100 May 23 Allan Weiner with a show, talking about a movie, played a Marty Robbins song (Yard Sale Special) then into more music Beatles. Had comedy ad for Doctor Beckers Hang over Pills. Excellent Signal (Majewski CT)
- 6160 **UNITED STATES** *WBCQ* Monticello, ME – 6/24 0007 noted with Classic Rock music, talk on the music played in English. SIO 333 with adjacent channel interference from Radio Havana Cuba on 6165 kHz. (Bueneman-MO/BSPDX)
- 6160 **UNITED STATES** *WBCQ* 2300-2352 1 May English Radio Timtron with a live show Gave the story of Little Black Sambo as being politically incorrect, but a nice positive story for children. Excellent signal, I was able to use a 16 kilohertz bandwidth without a trace of static. (Majewski CT)
- 6185 **CHINA** *China Huayi Broadcasting Corporation* – Fuzhou (P), 1131, 5/12/21 in Mandarin. Woman talking for several minutes. (Taylor – WI)
- 6195 **SINGAPORE** *BBC* – Kranji, 1119, 5/12/21 in English. Man with article on Coronavirus and effects throughout the world. Poor – fair. (Taylor – WI)
- 6501 **UNITED STATES** *Coast Guard Norfolk Marine Weather*, 2317-2337 May 22. Gave weather reports for all the regions of the Atlantic Ocean. Id as US Coast Guard Communications. Excellent Signal (Majewski CT, this is a new one for me)
- 7245 **NEW ZEALAND** *Radio New Zealand Int'l* 07/03/21 1100-1130 English. Local NZ News/Weather by Phil O'Brien followed by Saturday night music request show Good Sigs 4/5/4/4/4 (McDavitt-FL)
- 7250 **AUSTRIA** *BBC* relay Moosbrunn – 6/14 0134 noted with news in Dari; SIO 333. (Bueneman-MO)
- 7250 **AUSTRIA** *BBC* - Moosbrunn. Dari to SAs 0035 to s/off 0100, weak signal, Jun 11. (Wagner – AUS)
- 7254 **NIGERIA** *Voice of Nigeria* July 10 at 0552, VON is on already with undermodulated music. I also measured it on 7254.93, 15 months ago, so its

degree of offness quite steady and reliable. Whether this transmitter be on air at all quite another matter (Glenn Hauser, OK,)

- 7300 CHINA *China Radio Int'l***. Esperanto to SAM s/on 2200 fair signal and // 9880 also heard. One of just two stations offering an Esperanto service, the other being R. Habana Cuba. June 21. (Wagner - AUS)
- 7310 ROMANIA *Radio Romania Int'l*** 2228-2232 1 May English Talking about Easter egg traditions in Romania. This is the time of Easter for the Orthodox Christian. Played some instrumental music at 2232. Excellent Signal (Majewski CT)
- 7325 JAPAN *Radio Japan*** via Yamato - 6/4 0837 noted with interview and commentary in Japanese; SIO 333. (Bueneman-MO)
- 7375 ROMANIA *Radio Romania Int'l*** 0000-0010 May 20 English, News show about children going back to school. Excellent Signal (Majewski CT)
- 7375 ROMANIA *Radio Romania Int'l*** via Galbeni - 6/24 0010 noted with talk on public pensions in English. SIO 444. (Bueneman-MO/BSPDX)
- 7385 AUSTRIA *AWR Asia/Pacific*** via Moosbrunn - 6/29 0246 noted with Christian teaching and choral music in Punjabi; SIO 333. (Bueneman-MO)
- 7385 CHINA *Cross Strait Radio CNR 5*** - Beijing. Chinese instrumental selections at 2210 with Mandarin anncts, fair signal. // 9665 where it was stronger but with some co-channel QRM from KCBS-Pyongyang. Jun 19. (Wagner - AUS)
- 7395 ALASKA *KNLS*** religious broadcast in CC. May 21, 2021, 1349 - 1354. SIO 555. OM with homily in Mandarin to FE. Excellent signal, easy listening. MX clip, then different OM with a religious message. (Henley, WA)
- 7410 OMAN *BBC World Service*** 07/09/21 0130-0150 English. News followed by discussion of 2020 Euro Soccer Championship match between England and Italy 3/4/3/3/3 (McDavitt-FL)
- 7460 BOTSWANA *Voice of America*** relay Mopeng Hill - 6/16 0520 noted with commentary in Kirundi; SIO 323. (Bueneman-MO)
- 7490 UNITED STATES *WBCQ*** 0015-0030 May 20 English, Political comedy show about the Vice President with funny song about quarantine. Good Signal (Majewski CT)
- 7490 UNITED STATES *WBCQ*** Monticello, ME - 6/23 2218 noted with talk on the recording industry in English. SIO 444. (Bueneman-MO/BSPDX)
- 8764 UNITED STATES *US Coast Guard NMN Portsmouth***, VA - 6/23 2201 noted with marine forecast for the Caribbean Sea in English. SIO 555 in USB mode. (Bueneman-MO/BSPDX)
- 9095 OPPOSITION *Echo of Hope/VoH*** 1000, M and SW in Korean dialogue, just below nominal freq. again - Good 6/29 (Barton-AZ)
- 9100 OPPOSITION *Voice of Hope/EoH*** 1030. Returning to center freq., M, W, dialogue in Korean - Good 6/1(Barton-AZ)
- 9350 TAJIKISTAN *Radio Free Asia*** - Orzu (Dushanbe,) (P), 1249 in Burmese. Woman into contemporary Burmese music. Fair. One of the very few stations -and not usually heard - on this strikingly poor morning for reception. (Taylor - WI)
- 9395 UNITED STATES *WRMI*** Okeechobee, FL - 6/23 2338 noted with *AWR Wavescan*, with a story on the Madison-Milwaukee DX Get-Together in English. SIO 555. (Bueneman-MO/BSPDX)
- 9400 PHILIPPINES *Radio Liangyou*** 1 (P), 1125, 5/19/21 in Mandarin. Man speaking into a hymn then a woman speaking at some length. Poor. (Taylor - WI)
- 9410 PHILIPPINES *Voice of America*** in KK relay via Tinang. May 21, 2021, 1414 - 1423. SIO 444. OM announcer in KK. Interview clips in EE. Discussion of relations

- between North and South Korea. Listed target is FE. World news of various conflicts including the Middle East. Various speakers and commentators / interviewees. Slight QRN / QSB. Listenable. (Henley, WA)
- 9420 GREECE *Helliniki Radphonia*** 2315-2320. The classic Sounds of Silence with a male talking over in Greek. Excellent Signal (Majewski CT)
- 9475 TAIWAN Clandestine / opposition. *National Unity Broadcast Station*** in KK. May 21, 2021, 1406 – 1413. SIO 333. Target is North Korea. YLs in talk / commentary. Likely broadcast from Tanshui on Taiwan. Listenable, but slightly noisy. Moderate QRN / QSB. YL conversation continues, then POP MX follows. (Henley, WA)
- 9475 OPPOSITION *National Unity Broadcasting Station*, TAIWAN (P)**, 1314, 5/22/21 in Korean. Woman announcer with bumpers between short sections. Fair. (Taylor – Lake Farm Park, WI)
- 9575 ARMENIA *BBC***. Discussion program in English WS 0040 to SAs, NF (ex 5890), s/off 0059, Jun 11 and subsequent days. (Wagner – AUS)
- 9590 CHINA *China Radio Int'l*** via Kashgar – 6/23 2345 noted with promo in Spanish into Chinese pop music. SIO 333. (Bueneman-MO/BSPDX)
- 9620 FRANCE *Radio Algerienne*** via Issoudun – 6/26 0630 noted with commentary in Arabic; SIO 323. (Bueneman-MO)
- 9635 MALI *Radio Mali*** 07/04/21 0845-0900 French. Traditional Mali/Afro music, station ID at 0859 “RTV du Mali” 4/5/4/4/4 (McDavitt-FL)
- 9670 GERMANY *Channel 292***. First noted on June 8 at 0500 (3:00pm here) with continuous old rock and pops. Occasional IDs as Channel 292 with requests to visit the website. Fair signal and faded by 0610. (Wagner – AUS)
- 9675 CHINA *China Radio Int'l*** in RR to FE. May 20, 2021, 1453 – 1457. SIO 333. POP MX with YL vocalist. Listenable. Moderate QRN / QSB. YL announcer with sign-off and “Farewell” in RR accompanied by CRI theme MX. Off air with carrier gone at 1457. (Henley, WA)
- 9675 CHINA *China Radio Int'l*** in RR to FE. May 22, 2021, 1400 – 1407. SIO 555. Excellent signal. Sign-on ID with OM and YL announcers, YL continues with TOH news. (Henley, WA)
- 9685 TAIWAN (Tentative) *Nippon no Kaze***, Clandestine, opposition in KK. May 18, 2021, 1525 – 1533. SIO 233. YL announcer with contact information given slowly. Target is North Korea. Overall poor, weak, signal, likely from Paochung, Taiwan. YL continues with appeal. (Henley, WA)
- 9705 TAIWAN (Tentative). *Furusato no Kaze*** in JJ Clandestine / opposition. May 21, 2021, 1356 – 1357. SIO 444. Off air at 1357 after a MX clip. Broadcast was likely from Paochung, Taiwan with a target of North Korea. (Henley, WA)
- 9740 ALASKA *KNLS*** in CC religious broadcaster. May 22, 2021, 1358 – 1359. SIO 555. OM in CC, station ID, then off the air. Short contact. Carrier off at 1359. (Henley, WA)
- 9750 JAPAN *NHK Radio Japan*** 06/24/21 0945-1000 Japanese. Male/Female Roundtable Discussion followed by pop songs 3/5/3/5/3 (McDavitt-FL)
- 9760 ALASKA *KNLS*** religious broadcaster in CC. May 18, 2021, 1533 – 1540. SIO 222. Weak, poor signal. OM preacher in Mandarin. Listed target is FE. QSB to inaudible. Heavy QRN. Contact information given in CC. (Henley, WA)
- 9760 ROMANIA *Radio Romania Int'l*** 2238-2355 May 19 Spanish Music Show with female singer. Excellent signal (Majewski CT)

- 9830 **SÃO TOMÉ E PRÍNCIPE *Deutsche Welle*** relay – 6/26 0633 noted with news in Hausa; SIO 323. (Bueneman-MO)
- 9830 **TURKEY *Voice of Turkey*** English 2218 2232 1 May Traditional music with a male announcer. ID at 2226 as VOT. Excellent signal (Majewski CT)
- 9830 **SÃO TOMÉ *DW*** Hausa to Waf at 0645 to s/off 0659. Fair signal. // 11850 also heard but weaker there, and no propagation between Pinheira and Mt. Evelyn for the other //15215. One of the few remaining opportunities to hear DW on shortwave. Jun 13. (Wagner – AUS)
- 9835 **MALAYSIA RTM *Sarawak FM*** – Kajang (P), 1148, 5/12/21 in Malay. Woman going on for 2 minutes then turning it over to a man who continues. Poor. (Taylor – WI)
- 9840 **UNITED ARAB EMIRATES *Voice of America*** 1:20 GMT, June 22, SIO 232 Pashto program, man talking to another man. Fair with atmospheric noise.
- 9895 **GUAM *KSDA***, 1211, 5/22/21 in Korean. Woman with low key talk. Fair. (Taylor – Lake Farm Park, WI)
- 9910 **GUAM *KTWR*** 07/11/21 1130-1145 English. Worship Service, ID, request for comments, mailing address 3/5/3/4/3 (McDavitt-FL)
- 9930 **UZBEKISTAN *Radio Iran Int'l***. Satellite TV feed of what sounded like a news magazine program at 2225, fair signal, Jun 18. (Wagner – AUS)
- 9955 **UNITED STATES *Radio Emma Toc World Service*** – Okeechobee, 0002-0026 Jul 1, station identification with program No. 15 hosted by Jim Salmon; many interesting program segments during this half hour program over WRMI. Good signal. Jim verified my reception report in just four hours. (D'Angelo-PA)
- 9975 **UNITED STATES *KVOH*** – Rancho Simi, 0042-0114 Jun 29, end of Spanish language religious programming, station identification (“This is the Voice of Hope, Rancho Simi”) followed by English language religious programming. Fair signal. (D'Angelo-PA)
- 10051 **NEWFOUNDLAND *Gander VOLMET*** – 6/23 2157 noted with weather reports for various Canadian airports in English. SIO 444 in USB mode. (Bueneman-MO/BSPDX)
- 11600 **CHINA *CNR 1*** in CC domestic programming or jammer. May 21, 2021, 1431 – 1440. SIO 444. Mixed OM and YL announcers, advertisements, MX clips, and talk. Possible jamming “Sound of Hope” from Taiwan. Good signal. I cannot hear Taiwan underneath the CNR signal, and if that is the intention, the jamming is effective. (Henley, WA)
- 11610 **MADAGASCAR *Madagascar World Voice*** via Mahajanga – 6/23 2152 noted with Christian teaching in Chinese. SIO 434. (Bueneman-MO/BSPDX)
- 11650 **CHINA *China Radio Int'l*** in Esperanto. May 22, 2021, 1355 – 1357. SIO 333. OM announcer in Esperanto. Station ID, CRI theme MX and then off the air at 1357. (Henley, WA)
- 11680 **ZAMBIA *Voice of Hope*** – Makeni Ranch, 0443-0503 Jul 1, man announcer with English language preaching later identified as The Abounding Grace program with e-mail provided. Nice “This is the Voice of Hope station identification including frequencies at 0500 before another canned religious program commenced. Good signal. (D'Angelo-PA)
- 11710 **NORTH KOREA *Voice of Korea*** in FF to NAM. May 20, 2021, 1446 – 1452. SIO 444. Orchestral MX, with YL in FF giving announcements between MX pieces. YL choral MX follows. Good signal, with minor QRN / QSB. (Henley, WA)

- 11725 **NEW ZEALAND *Radio New Zealand Int'l*** – Rangitaiki, \*0459-0517 Jun 29, Bell Birds chirping IS, time pips with a woman announcer giving time check (Here with the news at 5") followed by news, weather and an interview with the Covid-19 Response Minister about speeding up immunizations. Good signal. (D'Angelo-PA)
- 11735 **NORTH KORE. *Korean Central Broadcasting Service***, 1216, 5/22/21 in Korean. Man and woman alternating with usual bombastic talk. Fair // 13650 (fair,) 15180 (good.) (Taylor – Lake Farm Park, WI)
- 11745 **SAUDI ARABIA *Al-Azm Radio*** – Jeddah (presumed), 2318-0007 Jul 1, man announcer speaking in the Arabic language with vocals at 2326. Woman announcer later interviewing a male at a remote location. More vocal selections. Poor to fair. (D'Angelo-PA)
- 11750 **GUAM *AWR***. Mandarin to EAs at 2130, good signal, Jun 19. (Wagner – AUS)
- 11780 **BRAZIL *Radio Nacional da Amazonia*** in PP. May 18, 2021, 2306 – 2315. SIO 555. Latin MX in PP. Excellent signal. Slight QSB / QRN. Otherwise, clear and easy listening. Great MX. OM announcer with station ID and frequency announcement. More Latin MX follows. Not much talk in this program segment. (Henley, WA)
- 11780 **BRAZIL *Radio Nacional da Amazônia*** ZYE365 Brasilia, DF – 6/24 0058 noted with commentary in Portuguese. SIO 555. (Bueneman-MO/BSPDX)
- 11780 **BRAZIL *Radio Nacional De Amazonia*** 2253-2255 1 May Portuguese Local music ID at 2255 Good signal (Majewski CT)
- 11780 **ROMANIA *Radio Romania Int'l*** 0158. With R Nac. d. Amazonia (Brazil) usually dominant here, RRI tuning signal coming up at this time for sign-on at 0200 in Spanish and mixing with Brazil. Usual sign-on, the W in Spanish – Fair with CCI 6/6 (Barton-AZ)
- 11815 **JAPAN *NHK Radio Japan*** in JJ. May 20, 2021, 1436 – 1445. SIO 555. Excellent signal. OM and YL in conversation. Target is SEA. Easy listening, with some humor. (Henley, WA)
- 11815 **JAPAN *NHK Radio Japan*** in JJ. May 22, 2021, 1422 – 1430. SIO 555. MX, show tunes. Two OMs in jocular conversation. Much laughter and humor. Listed target is SEA. Excellent signal. More MX, including a JJ version of a popular movie tune. Then, what appears to be a satiric skit, with OM and YL performers, follows. (Henley, WA)
- 11815 **BRAZIL *Radio Brasil Central*** ZYE440 Goiânia, Goiás – 6/24 0102 noted with news in Portuguese into light vocal music. SIO 323. (Bueneman-MO/BSPDX)
- 11850 **CUBA *Radio Habana Cuba*** June 28 at 0352, RHC under modulation with pulsing dropouts also bumping the carrier around. Exactly same thing on the JBA carrier spur parasites 11840 & 11860. Something's always wrong at RHC (Glenn Hauser, OK)
- 11860 **SAUDI ARABIA *Rep Yemen Radio*** Sanaa 06/24/21 0130-0145 Arabic. Non-stop chant vocals. Heavy jamming at times 3/3/3/4/3 (McDavitt-FL)
- 11860 **SAUDI ARABIA *Republic of Yemen Radio***, Jeddah, 1:00 GMT, June 22, SIO 333, Arabic program, Arabic folk music with flute, man talking followed by religious singing. Good to fair with moderate atmospheric noise. (Fredette-ON)
- 11865 **D.P.R.KOREA *Voice of Korea***. Korean orchestral music in the Japanese service to EAs at 2140, excellent signal, Jun 19. (Wagner – AUS)
- 11880 **CUBA *Radio Habana Cuba*** in PP and then EE. May 18, 2021, 2257 to 2306. SIO 555. Good Latin MX, OM vocalist. Listed target is Africa. Moderate QRN / QSB.

- Station ID at TOH by YL and OM with RHC theme MX. Program becomes an EE program also targeting Africa. Talk of COVID vaccinations with the Chinese vaccine which is known to be ineffective. YL with more COVID news and propaganda. An anti-Israel diatribe follows. (Henley, WA)
- 11905 SRI LANKA SLBC** 07/03/21 0035-0058 Bengali. Native music w/male, female anns, off abruptly at 0058 Good Sigs 4/5/4/5/4 (McDavitt-FL)
- 11905 SRI LANKA Sri Lanka BC**, Bengali, Trincomalee Lee, 00:57 GMT, June 22, SIO 323, Bengali program, folk songs, cut off at 1:00GMT, fair to good with moderate atmospheric noise. (Fredette-ON)
- 11905 AUSTRALIA Reach Beyond Australia** – Kununurra, 1140, 5/14/21 in Rohingya. Hymn on piano, woman end a talk over RBA theme into a man talking at some length. Fair. (Taylor – WI)
- 11955 CHINA China Radio Int'l** in Indonesian. May 22, 2021, 1413 – 1420. SIO 333. Listed target is Indonesia. Mixed OM and YL conversation / commentators. YL dominates the discussion. (Henley, WA)
- 11960 GUAM KSDA/Adventist World Radio (Agat)** 2345, vocal music, W in (listed) Indonesian, the male vocal song that sounded more religious in nature to M with monologue. Towards end of bx, acoustic guitar and singing of younger sounding person reminiscent of the much maligned KJES from years back – Fair to Good 6/20 (Barton-AZ)
- 12045 THAILAND Voice of America** in KK relay via Udon Thani. May 22, 2021, 1348 – 1354. SIO 555. Listed target is FE. Multiple YL and OM announcers. Excellent signal. Audio clips, MX clips and news of South Korean president visiting Biden. (Henley, WA)
- 12045 THAILAND Voice of America** (via Udon Thani) 1400 // 12080. Headlines, news magazine in Korean, audio clips, W correspondent. VG and with VG // on 12080 via Tinang, Philippines – Very Good 6/1 (Barton-AZ)
- 12050 UNITED STATES WEWN** EWTN Catholic Radio in SS. May 18, 2021, 2245 – 2255. SIO 444. OM with religious homily in SS. Latin MX. Listed target is Latin America. Heavy QRN, but listenable. More Latin MX and homily follows. (Henley, WA)
- 12050 ASCENSION ISLAND Radio Ndarason Int'l**. Kanuri language to Chad at 0750 with speeches. Weak signal and noted to s/off 0759. Jun 13. (Wagner – AUS)
- 12080 PHILIPPINES Voice of America** in KK relay via Tinang. May 20, 2021, 1430 – 1435. SIO 555. Mixed announcers with news, and talk. VOA ID, Excellent signal. Listed target is FE. (Henley, WA)
- 12100 TAIWAN Radio Taiwan Int'l** (Paoching) 1130. Schedule runs odd time window of 1120-1140. Commentary, W in English, pop music – Good with ACI 6/1 (Barton-AZ)
- 12160 UNITED STATES WWCR 2** in EE from Nashville, TN. May 18, 2021, 1512 – 1517. SIO 232. CSC Talk Radio with Beth Ann. Interviews and commentary, Race relations, riots, and domestic strife. Poor listening. Steep QSB to JBA. (Henley, WA)
- 13630 CHINA CNR 1** in CC domestic program and / or jammer. May 22, 2021, 1342 – 1347. SIO 444. Multiple announcers, advertisements, and talk. Listed target is FE. This broadcast is probably intended to jam “Sound of Hope” from Taiwan. Moderate QRN / QSB. (Henley, WA)

- 13640 **CHINA *China Radio Int'l***, Kashi-Saibagh, 15:13 GMT, June 3, SIO 232, English program, Man and woman speaking with background music. Fair to poor, barely above noise level. (Fredette-ON)
- 13650 **JAPAN *Radio Japan*** via Yamato – 6/23 2317 noted with traditional Japanese music, no spoken word transition from the Thai to Vietnamese language at 2320, as per schedule in 2021 WRTH. SIO 545. (Bueneman-MO/BSPDX)
- 13710 **INDIA *All India Radio*** 07/07/21 0130 Indonesian. Brief Indian sitar music interval followed by presumed news 4/5/4/4/4 great sigs (McDavitt-FL)
- 13755 **CHINA *China Radio Int'l***, Kashi-Saibagh, 15:10 GMT, June 3, SIO 333, Chinese program, woman speaking with background folk music. Good to fair with mild fading. (Fredette-ON)
- 13840 **NEW ZEALAND *Radio New Zealand Int'l*** 07/03/21 0130-0200 English. Saturday Music 101 Show. Pop/Rock album mix from various artists Good Sigs 4/5/4/4/4 (McDavitt-FL)
- 13840 **New Zealand *Radio New Zealand Int'l***, 1:52 GMT, May 31, SIO 333, English program, man doing interview with another man followed by Australian rock music. News at 2:00, Floods in Auckland. Government giving relief of \$100,000. For flood victims. Air crews being tested for Covid 19. Followed by weather reports. Fair with moderate fading. (Fredette-ON)
- 13840 **NEW ZEALAND *Radio New Zealand***, 2:59 GMT, June 13, SIO 433, English program. Discussion on children's stories and their morals. News, discount on imported electrical vehicles. Petrol cars will cost more by \$5,000. Man pointed gun at police. 4 news cases of Covid. News on travel in Australia. Reading of BBC news. Good with moderate fading. (Fredette-ON)
- 13840 **NEW ZEALAND *Radio New Zealand Pacific*** via Rangitaiki – 6/23 2144 noted with interview with a New Zealand transgender activist in English. SIO 434. (Bueneman-MO/BSPDX)
- 13870 **PHILIPPINES *Voice of Love***, 1204, 5/23/21 in Khmer. Man with religious message or sermon. Poor – fair. (Taylor – WI)
- 14670 **CANADA *CHU*** Ottawa, ON – 6/23 2220 noted with “CHU Canada” ID in English, UTC time check in English and French into time signals. SIO 333. (Bueneman-MO/BSPDX)
- 15034 **CANADA *CHR*** Canadian Forces Base Trenton, ON – 6/23 2136 noted with weather reports for various Canadian and European airports, “This is Trenton Military, Trenton Military” ID and UTC time check in English. SIO 444 in USB mode. (Bueneman-MO/BSPDX)
- 15235 **TURKEY *Voice of Turkey*** – Emirler, 1219, 5/22/21 in German. Woman followed by a man into the multi-language ID sequence for several minutes (including an English ID into nice contemporary Turkish **music**). Fair. Best in USB to avoid Cuba on 15230. Turkey isn't listed at this time so a run over or a mistake. (Taylor – Lake Farm Park, WI)
- 15245 **CHINA *China Radio Int'l***, Kashi-Saibagh, 15:30 GMT, June 8, SIO 323 English program. ID at 15:30, Story about an unusual Elephant migration in southern China. Also story of how China is protecting world animals... Good to fair with moderate fading. (Fredette-ON)
- 15255 **TAJIKISTAN *Adventist World Radio*** / Orzu (P), 1327, 5/22/21 in Nepalese. Program of South Asian music with a woman announcer. Poor. (Taylor – Lake Farm Park, WI)

- 15260 **AUSTRIA IBRA Radio Sama** – Moosbrunn (P), 1730, 5/19/21 in Arabic. Woman interviewing a man at some length. Poor – fair. (Taylor – WI)
- 15275 **FRANCE Radio France Int'l** – Issoudun, 1231, 5/22/21 in French. Man and woman announcers alternating into a man correspondent report with several mentions of Africa, 1238 bumper into the man announcer with mention of several African country names (Mali, Somalia, etc.) with news roundup, woman with announcement and quick ID into alternating items from announcers. Fair – good. // 15300 (fair.) (Taylor – Lake Farm Park, WI)
- 15340 **OPPOSITION Dimtse Weghta Tigray** – Issoudun, FRANCE (P), 1717, 5/19/21 in Tigrigna. Horn of Africa music, man with a long monologue. There was a signal on 15340.35 with a long LSB tail QRMing the signal. Hard to tell if it was intentional or not. None the less annoying making the signal poor. (Taylor – WI)
- 15415 **CLANDESTINE Radio Oni/Dirree Shaggar** – Issoudun, 1612-1630\* Jun 29, thanks to a tip from Paul Walker heard with a woman speaking in the listed Afan Oromo language; brief music segment followed by a woman interviewing a man. Brief instrumental music before closed. Poor to fair signal with no jamming noted. (D'Angelo-PA)
- 15420 **GERMANY Voice Ormo liberation**, Amharic, 17:56 GMT, June 9, SIO 434, Arabic folk music, program cut off at 18:01. (Fredette-ON)
- 15430 **SRI LANKA Adventist World Radio** – Trincomalee (P), 1249, 5/22/21 in Meithei. Interesting South Asian setting of a Western hymn. Fair. (Taylor – Lake Farm Park, WI)
- 15490 **ASCENSION ISLAND BBC**, 18:02 GMT, June 9, SIO 333, French program, news program with African emphasis. Man and woman speaking. Good to fair with moderate fading. (Fredette-ON)
- 15555 **NORTHERN MARIANAS (Tentative) Radio Free Asia** in CC to FE via Saipan. May 18, 2021, 2242 – 2400. SIO 333. Mixed OM and YL announcers. Noisy signal, listenable with difficulty. QRN increasing. Off air at 2400, carrier gone. (Henley, WA)
- 15575 **SOUTH KOREA KBS World Radio** – Kimjae, 1257, 5/22/21 in English. IS with English and Korean ID's with nice chiming tune, 1300 ID and sign on into program of K-pop music. Very good. This may be the best I have ever heard KBS directly from RoK. (Taylor – Lake Farm Park, WI)
- 15665 **EAST TURKISTAN China Radio Int'l** July 8 at 0528, JBA talk, listed as CRI Russian via Urumqi at 04-06 --- a ``midnight sun`` log from the land of ChiCom genocide against Uighurs and other Moslems (Glenn Hauser, OK,)
- 15770 **UNITED STATES WRMI** 1859-1926 May 21, English, Supreme Master TV show. News about Saudia Arabia sending medical equipment to Pakistan to help with Covid treatment. Good Signal (Majewski CT)
- 17780 **ROMANIA Radio Romania Int'l**. The Sunday-only Curierul Romanesc (Romanian Courier) program to SAs at 0725 to s/off 0757. Fair signal with co-channel QRM from CNR jamming of Sound of Hope. // 15200 also heard but a weak signal there. Jun 13. (Wagner – AUS)
- 17830 **ASCENCION BBC WS** 1630, W with what sounded like news magazine. Plagued by interference from loud electronic noise on the channel that stopped at the ToH, allowing good rx of pips and W newscaster and ID. Noise started up again a little after that. Sounded like jamming, but who jams English prog from BBC? – Poor to Fair 6/1 (Barton-AZ)

- 17850 **FRANCE** *Radio France Int'l.* French to CAf at 0720, weak signal with discussion program, Jun 13. (Wagner - AUS)
- 17855 **SPAIN** *Radio Exterior De Espana* 1856-1858 May 21 Spanish, News show. Good Signal (Majewski CT)
- 17855 **SPAIN** *Radio Exterior de España* via Noblejas - 6/23 2315 noted with commentary in Spanish. SIO 545. (Bueneman-MO/BSPDX)



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<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, June 20, 2021-- Under "DX History-I/Stations," we have posted another group of trinkets. **Trinkets XIII** contains: (1) a 2 Euro piece commemorating de Gaulle's famous BBC "call to action" broadcast of June 18, 1940; (2) a 50 schilling piece commemorating 50 years of Austrian Radio; (3) a pin from Radio Habana Cuba, Cadena Azul, one of the major Cuban networks of the 40s and 50s; (4) a pin from Czechoslovak radio; (5) and (6), two pins from IBRA Radio; (7) a pin from Iraq; (8) a 50-year medal from Kol Israel; (9) a medal from RAI-Italy; and (10) a ribbon and medal from JOCK, Nagoya Central Broadcasting Station (Nagoya Chuo Hosokyoku). Look for the red "New" under "Stations/Topics/Multiple Countries/Trinkets XIII" (zoom in for best viewing). -- And under "Specialized Resources/The DX Recordings of Tetsuya Hirahara, two recordings from Paraguay: Emisoras Paraguay, and Radio Nacional del Paraguay."

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, June 27, 2021 -- Radio Equipment Laboratories. If it was 1926 and you had latched onto the first lists of non-amateur shortwave stations that had been published the year before in *QST* and *The New York Times* and you wanted to get into the game, you wouldn't have had a lot to choose from if you didn't want to start from scratch. There were no consumer shortwave sets as such, but there were some units made mainly for amateurs and available either ready-made or in kit form. The eye-catching catalog that we have posted in "DX History-II/Equipment & Advertising" from Radio Engineering Laboratories on Long Island might have caught your eye. (Look for the red "New"). REL sold all kinds of transmitter, amplifier, and other circuit kits, and parts, as shown on the two-sided data sheets. They also sold a shortwave receiver kit (pp. 31-32). And their slogan from the back of the catalog—"Apparatus that you will eventually use"—was just what you had been telling your wife! – Also, this time, under "Specialized Resources/The DX Recordings of Tetsuya Hirahara," we have added recordings and photos of four Argentine stations.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, July 4, 2021 -- The mid-1930s were the end of the line for the famous radio manufacturer Atwater Kent; the company closed in 1936. But two years prior to that they issued the "Atwater Kent World-Wide Radio Station Directory." There were two editions, both issued in 1934; the first had a green cover, the second tan. They share much of the same content, but they are not identical. Note the inside back cover of the

green version, where some unknown BCB DXer of almost 90 years ago entered his logs and dial readings. Both editions are posted in "DX History-II/Lists, Logs, Guides & Columns" (look for the red "New").

Under "Specialized Resources/The DX Recordings of Colin Miller," we have posted a recording of the Voice of Greece, recorded in the 1970s. And in "The DX Recordings of Tetsuya Hirahara" we have posted two recordings of R. Miskut, Nicaragua, plus photos of the station. *Tnx, Colin and Tetsuya.*

And Adrian Peterson has updated his "Wavescan" entries with eight new stories: (1) "St. Vincent Volcanic Eruption" (Wavescan N635, April 25, 2021); (2) "Ancient DX Report: 1924, Pt. 1" (Wavescan N635, April 25, 2021); (3) "The Radio Scene in Brazil: The Early Mediumwave Years; the Rest of the Story-Radio SPC Rio Becomes WNYC-New York; and WNYC on Shortwave" (Wavescan N636, May 2, 2021); (4) "The German Shortwave Service at Koenigswusterhausen-2" (Wavescan N638, May 16, 2021); (5) "The Radio Scene in The Lonely Isolated Maldive Islands-The Island of Gan" (Wavescan N640, May 30, 2021); (6) "Radio Malaysia Singapore in Two Different Countries (1942)" (Wavescan N641, June 6, 2021); (7) "Australian Shortwave Callsign VLV" (Wavescan N641, June 6, 2021); and (8) "The Original Radio Saigon (and When it Pretended to be NIROM in Batavia)" (Wavescan N644, June 27, 2021). *Tnx, as always, Adrian.*

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, July 11, 2021 -- Under "DX History-III/Philately," look for "Stamp Page II" in "MIXES" (the red "New") and you will find a display of radio-related postage stamps from the Seychelles, Germany (World War II [but those may not be radio towers]), Paraguay, Azerbaijan, Canada, Netherlands Antilles, St. Vincent & the Grenadines, Gabon, Italy, Egypt, Brazil, Pitcairn Islands, and Greece; cinderellas (non-postage stamps) from Switzerland (Tobler, Marconi); France (Marconi); U.S. (RCA Radiograms; RCA World's Fair building, 1939; Voice of Prophecy; Camden "Radio Center of the World," 1930); Brazil (Radio Brasil Central); Australia (New Zealand ship *Awatea*, ZMBJ broadcasts, late 1930s); and Spain (Exposicion Nacional de Radio, Barcelona, 1931); plus a metal VOA bookmark.

Alan Pennington of the British DX Club has written a very nice article in the July issue of the club's bulletin, *Communication*, titled "Calling the Antarctic," about the history of BBC broadcasting to the region. With the permission of Alan and the BDXC we have posted it under "DX History-I/Stations." Look for the red "New." *Thanks, Alan and BDXC.*

We have two new Wavescan stories this time: "The Radio Saga on Two Small Islands South of New Zealand" (Wavescan N642, June 13, 2021), and "The Easter Island Story" (Wavescan N645, July 4, 2021). *Tnx, Adrian.*

And in "Specialized Resources/The DX Recordings of Tetsuya Hirahara," there are four new recordings (and photos) from stations in Puerto Lempira, Honduras. *Tnx, Tetsuya.*

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, July 18, 2021 -- We have a new section in "Specialized Resources" called "Philco Radio Atlas of the World." Philco issued five editions of this "radio atlas" during the years 1934-36, and we have pulled together four of the five in this new section. These were among the better looking of the promotional items published by radio

manufacturers. Especially nice about these are the maps with the locations of the world's shortwave stations marked. Look for the red "New" in "Specialized Resources." – Also, in "Specialized Resources," we have three new Wavescan entries from Adrian Peterson: "The German Shortwave Service at Koenigswusterhausen-3" (Wavescan N643, June 20, 2021); "More About Shortwave Radio Saigon (Pt. 2), and Communication Station Saigon Radio" (Wavescan N646, July 11, 2021); and "Canada's Highest Ever Temperature [Low Power Relays]" (Wavescan N646, July 11, 2021). -- And still in the Wavescan section, we have updated the Wavescan Index to cover all entries through July 11, 2021.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, July 25, 2021 -- Hallicrafters was one of the biggest names in shortwave receivers, offering numerous models in various price ranges. Under "DX History-II/Equipment & Advertising" we have posted a 1970 Hallicrafters brochure, "Shortwave puts you where it's at," which gives an introduction to listening beyond the standard broadcast band. It also includes advertising for Halli consumer-grade shortwave receivers, ham transceivers, and utility band handhelds and table models. Look for the red "New." -- And in "Specialized Resources," we have two new entries from Adrian Peterson: "Return to the Radio Scene on Bougainville in the South Pacific" (Wavescan N647, July 18, 2021), and "Ancient DX Report: 1924, Pt. 2" (Wavescan N647, July 18, 2021). *Tnx, Adrian.*

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



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