

# The ~~NASA~~ Journal

VOLUME LXII NUMBER 1

JANUARY 2022

• TO MAKE CHRIST KNOWN TO AFRICA •



QSL on 4.770 mcs, at 2146 GMT  
on January 24, 1960  
Remarks Tnx for the report

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### Shortwave Receivers Past & Present 1942-2013

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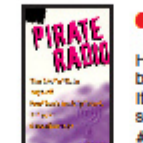
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### World Radio TV Handbook 2021 - 75th Anniversary Edition

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.

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*Third Edition*

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### 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.

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### 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.

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### 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

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

Happy 2022 everyone! As we push on into another calendar year, make it a New Year's resolution to contribute to one or more of our columns. Musings, loggings, original articles, etc, are always appreciated.

John Herkimer starts a new year of covers off with long time shortwave broadcaster from Liberia, ELWA ("Eternal Love Winning Africa"). These guys can still be heard today on 6,050 kHz in our late afternoons and early morning hours on the east coast. The QSL card in the upper left-hand corner of the cover is somewhere in my collection too. Some things never change including the Post Office Box 192 address which is still valid for old fashion mailed reception reports.

In a recent edition of Radio World magazine, Editor-in-Chief Paul McClan informed readers of postal delays cause by the United States Postal Service. We are not alone in our postal system problems. Other bulletins and printed material are suffering the same fate these days. Maybe things will improved in 2022 but I am not counting on it. Postal members should get their e-mail address to Rich Cuff (hq@naswa.net) so he

can get a PDF Journal into your hands well ahead of the print Journal.

The 17th Edition of the Global Radio Guide (Winter 2021-22), prepared by member Gayle Van Horn, is now available. This newest edition of the Global Radio Guide ("GRG") carries on the tradition of those before it with an in-depth, 24-hour station/frequency guide with schedules for selected AM band, longwave, and shortwave radio stations. This unique resource is the only radio publication that lists by-hour schedules that include all language services, frequencies, and world target areas for over 500 stations worldwide. The schedules

included in this edition of the GRG are valid from 31 October 2021 until 26 March 2022, the B21 broadcast schedule period. The GRG includes listings of DX radio programs and Internet website addresses for many of the stations in the book. There are also entries for time and frequency stations as well as some of the more "intriguing" transmissions one can find on the shortwave radio bands. Gayle has also updated her now-famous SDR Buyer's Guide, a must-have compendium that




helps you navigate through the revolutionary world of software-defined radios (SDRs), the new digital frontier of the radio hobby. There are updated columns including the latest radio news in Bits & Bytes, current radio QSL information and addresses, the Best of the Best DX shortwave program listings, and a listing of radio station Internet websites. This edition also has introductory articles for beginners on Traveling the World via Shortwave Radio Broadcasts, Monitoring the Shortwave Action Bands, and Teak's latest greatly expanded frequency list of HF non-broadcast radio stations worldwide. The 17th edition of the GRG e-Book (electronic book only, "no print edition available") is available worldwide from Amazon and their various international websites at <https://www.amazon.com/dp/B09MV5XMFZ>. The price for this latest edition is US\$8.99 for over 1000 pages of radio hobby content and frequencies. Since this book is being released internationally, Amazon customers in the United Kingdom, Germany, France Spain, Italy, Japan, India, Canada, Brazil, Mexico, and Australia can order this e-Book from Amazon websites directly servicing these countries. Customers in all other countries can use the regular Amazon.com website to purchase this e-Book.

Radio Free Asia ("RFA") announced its latest QSL card commemorating their 25th anniversary in September 2021. This is RFA's 78th QSL and used to confirm all valid RFA reception reports from January to April 2022. RFA encourages listeners to submit reception reports. Reception reports are valuable to RFA as they help them evaluate the signal strength and quality of transmissions. RFA confirms all accurate reception reports by mailing a QSL card to the listener. RFA welcomes all reception

report submissions at <http://techweb.rfa.org> (follow the QSL REPORTS link) not only from DX'ers, but also from our general listening audience. Reception reports are also accepted by email at [qsl@rfa.org](mailto:qsl@rfa.org) and by mail to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036.

World Radio Television Handbook's ("WRTH") publisher, Nicholas Hardyman, shared the following announcement on December 9th: "Having produced this book for the past 24 years we are very sorry to announce that WRTH 2022 will be the final edition of World Radio TV Handbook produced and published by WRTH Publications. This was a hard decision to make and one we only made after a lot of discussion. We know that many people rely on WRTH and greatly enjoy getting the new edition every year. We realise that this news will be disappointing for many people. We want to thank you all for your loyal support over the years." The 2022 edition of the WRTH is the 76th! So ends the long run of the WRTH!

Remember, the club's upcoming 35th Annual Winter SWL Festival will utilize the Zoom platform once again on March 4th and 5th with a modest \$10 registration fee utilizing the same sign-up/payment process as last year. Co-hosts Rich Cuff and John Figliozzi have already begun program preparations. The FESTmeisters will use our web site, listservs, and the Facebook page to fill in gaps as they are filled. I hope to see you at the 2022 Winter SWL Festival.

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

Jerry Lineback • 4422 Sierra Del Sol • Paradise, CA 95969-8116 • [jalinebk@gmail.com](mailto:jalinebk@gmail.com)

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 February issue is January 26, 2022.

Jerry Alice Lineback, [jalinebk@gmail.com](mailto:jalinebk@gmail.com), Paradise, CA

Omicron is beginning to run rampant, here we go again. We had to go to the pharmacy at a Walmart filled with Christmas shoppers to pick up a prescription for my wife, I honestly feared for my life in that (mostly mask less) crowd. We are in full winter mode here with nearly constant rain and even a trace of snow on the palm trees.

Hope everyone has a great New Year and good listening. How about some more contributions for Musings. Please! It's lonely here!

73, Jerry Alice

*These pages are open for your contributions.*

# Listening Review

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

Welcome to the first edition of Listening Review for 2022, and every best wish for the New Year to all NASWA members.

## Texas Radio Shortwave

Thanks to **Cap'n Ric** who forwards details of a special program on **Channel 292** from **Texas Radio Shortwave** in memory of **radio pirate Dr. Tim**, commemorating the many pirate stations produced by Germany's Dr. Tim:

**Texas Radio Shortwave**  
The Many Radio Voices of Dr. Tim:

Radio Anonymous, Radio Bella Italia, Radio BZN, Radio Carneval, Clinic Radio, Radio Corona, Radio Disco Hell, Radio Dr. Juice, Radio Dr. Tim, Radio Dummyload, Radio Easterbunny, EM Radio, Halloween Radio, Radio Heidi, Radio Heijntje, Radio Illegal, Radio Isabella, Radio Jingle Bells, Radio Jodelpiraat, Radio Lesbos, Radio Lockdown, Love Parade Radio, March Music Radio, Radio Mousjager, Radio Olympia, Radio Polkawelle, Rammstein Radio, Reggae Radio, Radio Republica da Banana, Shortwave Pirate, Radio Sofa King, Radio Southsea Melody, Radiostancia Russian Hooligans, Radio 29, Radio Toyota, Trance AM, Transatlantic Broadcast, Radio UNID, Unknown Radio, Radio Walt & Lumen, Werner's Schlagerwelt, Radio The White Man, Wild West FM, World Cup Radio, Radio Zandpiraat

eQSL  
January 16, 2022 - 1000 UTC - Channel 292 - 6070 kHz

Listener:  
Location:

TEXAS RADIO SHORTWAVE  
[texasradio@gmail.com](mailto:texasradio@gmail.com)

Werner Schauermaier, 1949-2021

Radio Anonymous, Radio Bella Italia, Radio BZN, Radio Carneval, Clinic Radio, Radio Corona, Radio Disco Hell, Radio Dr. Juice, Radio Dr. Tim, Radio Dummyload, Radio Easterbunny, EM Radio, Halloween Radio, Radio Heidi, Radio Heijntje, Radio Illegal, Radio Isabella, Radio Jingle Bells, Radio Jodelpiraat, Radio Lesbos, Radio Lockdown, Love Parade Radio, March Music Radio, Radio

Mousjager, Radio Olympia, Radio Polkawelle, Rammstein Radio, Reggae Radio, Radio Republica da Banana, Shortwave Pirate, Radio Sofa King, Radio Southsea Melody, Radiostancia Russian Hooligans, Radio 29, Radio Toyota, Trance AM, Transatlantic Broadcast, Radio UNID, Unknown Radio, Radio Watt & Lumen, Werner's Schlagerwelt, Radio The White Man, Wild West FM, World Cup Radio, Radio Zendpiraat.

The program features audio clips recorded off the air since there is no studio-quality audio of most programs. Twenty-one of Dr. Tim's 45 stations are represented, along with rebroadcasts of an SSTV and an MFSK32 image from old programs. TRSW thanks these listeners and stations for contributing to the program: Achim Brueckner, Bart Steenman of Radio Monique International, Arthur Burton of Cruisin' Radio, Mike Fox of Fox 48 Radio, Paul Watson, and Klaus Fuchs. TRSW has produced a special eQSL for correct reception reports that include details of at least 20 minutes of the program. Reports should be sent to [texasradiosw@gmail.com](mailto:texasradiosw@gmail.com).

The special program will air on Saturday 15 January at 1000UTC on 6070 kHz, immediately following TRSW's regular monthly program at 0900 (this month featuring a *Red Dirt music special*).

### Unique Radio Australia



In Europe and North America, there are a number of transmitting facilities providing radio stations and program producers with an affordable option for broadcasting their programs, including: Channel 292 (Rohrbach, Germany), Shortwave Service (Kall, Germany), WBCQ (Monticello, USA), and WRMI (Okeechobee, USA). There is also

one in Australia: Unique Radio Australia, a low power station, enabling a range of entertaining programming on shortwave from UTC Tuesday to Sunday. It may be a little hard to hear outside of the Australia/New Zealand area and would certainly make a good DX catch, but they can easily be picked via WebSDR's in the region, and they also have a livestream.

**Unique Radio Australia** broadcasts from 2000 UTC Tuesday to 1100 UTC Sunday (with a short break after 1200UTC on Wednesdays and Thursdays) on 5035usb or 3210 kHz depending on propagation conditions, and also via livestream at <https://www.uniqueradio.biz/>.

Here is the latest schedule:

Tue 2000: Aussie Tim - ***Sounds of your life*** or ***Generations music show***

Tue 2100: Danny Sun - His ***Unique show*** with an hour of great music and an interview or two of Artists both upcoming and established.

Tue 2200: Sandy M. - ***Pop Decades*** - a musical journey through the best hits down the decades, including "Retro Rewind", "Time Tunnel" & "12 Inch Finish" features

Wed 0000: John Farmery - ***The Seventies*** - great memories from the 70's era

Wed 0100: Aussie Tim - ***Sounds of your life*** or ***Generations music show***

Wed 0200: Emperor Rosko - ***Coast to Coast Country*** - Two hours of fun & fab Country hits

Wed 0400: John Farmery - ***The Decades*** - 3 hours of fab tunes from the past decades

Wed 0700: Kenny Tosh - ***The Radio Ship Revival Show*** - the best 60's and 70's hits & Gems

Wed 0900: Emperor Rosko - ***Coast to Coast Country*** - Two hours of fun & fab Country hits

Wed 1100: ***Jen's Eclectic Views & Real Deal Show*** - forgotten rock classics & garage rock

Wed 1200: ←Off→

Wed 1900: Dave Marley - **The Classic Chart Rundown**

Wed 2100: Danny Sun - His **Unique show** (see Tue 2100)

Wed 2200: Sandy M. - **Pop Decades** (see Tue 2200)

Thu 0000: Danny Sun - **Laidback show** - tunes from established and independent artists

Thu 0200:

Thu 0500: Dave Marley - **The Classic Chart Rundown**

Thu 0700: John Farmery - **The Sixties Express** - tunes we love & some we've forgotten

Thu 0800: Danny Sun - His **Unique show** (see Tue 2100)

Thu 0900: **The Dave Marley Experience** featuring but not limited to Classic '50s through to the indie pop right up to modern dance, house, breakbeat, Latin jazz and soul.

Thu 1100: Upstate Radio Theatre Hosted by Jake Longwell

Thu 1200: ←Off→

Thu 2100: Kenny Tosh - **The Radio Ship Revival Show** - the best 60's and 70's hits & Gems

Thu 2300: DJ SIM - **Vinyl Raiders** - music from the 1960's to today with Pop, Rock, Dance, Disco, R 'n' B, Rap and everything that all ages can appreciate.

Fri 0000: Sandy M. - **Pop Decades** (see Tue 2200)

Fri 0200: Danny Sun - His **Unique show** (see Tue 2100)

Fri 0300: Dave Marley - **The Classic Chart Rundown**

Fri 0400: DJ SIM - **Vinyl Raiders** (see Thu 2300)

Fri 0500: John Farmery - **The Decades** - 3 hours of fab tunes from the past decades

Fri 0800: **RNEI** (Radio Northern Europe International) hosted by DJ Rosie

Fri 0830: **HRI** (Hobart Radio International) hosted by Bob Wise

Fri 0900: DJ Key - **On this Day 80's** - a great range of 80's to take you back to the day

Fri 1100: Emperor Rosko - **LA Connection** - Two hours of fun & fab Classic hits

Fri 1300: **Radio Tatra International** - Postcard from Poprad - hosted by Eric Wiltshire & Dave Rhodes with Rachel Brunson and Henry O'Donovan

Fri 1400: *Programs continue with an immediate repeat of the evening programs, and a mix of music, community announcements and other programs.*

Fri 2100: **Radio Tatra International** (see Fri 1300)

Fri 2200: Sandy M. - **Pop Decades** (see Tue 2200)

Fri 2300: DJ Key - **On this Day 80's** - a great range of 80's to take you back to the day

Sat 0100: Dave Marley - **The Classic Chart Rundown**

Sat 0200: Emperor Rosko - **Coast to Coast Country** - Two hours of fun & fab Country hits

Sat 0400: DJ SIM - **Vinyl Raiders** (see Thu 2300)

Sat 0500:

Sat 0600: Danny Sun - His **Unique show** (see Tue 2100)

Sat 0700: Melvin Jordan - **The Heavystorm** Hear The Best Slow Jam's and featuring the best R&B to get you through your dinner time

Sat 0900: **The Dave Marley Experience** (see Thu 0900)

Sat 1100: Danny Sun - **Overflow Rock Show** - independent artists with associated interviews

Sat 1200: **Radio Serena** presented by Serena. Bringing you the 90's and a whole lot more

Sat 1300: *Programs continue with an immediate repeat of the evening programs, and a mix of music, community announcements and other programs.*

Sat 1830: (Monthly) **Calling all Radio Nutz** (or C.A.R.N.) presented by Jen and

Mikey DX live in Skype, with various info on the HF radio Spectrum, tips, propagation, radio audio files, plus live band scan tuning from Denver/South FL to Mike in England. Airs on third week of January, and second weeks of February, March, April and May

Sat 2000: **HRI** (Hobart Radio International) hosted by Bob Wise

Sat 2100: Melvin Jordan - **Gospel Vibrations**: Uplift, Inspire & Encourage through Inspirational Music from Seasoned & Indy Gospel Artists.

Sat 2200: Sandy M. - **Pop Decades** (see Tue 2200)

Sat 2300: John Farmery - **The Eighties** John brings back all those 80's we've longed for

Sun 0000: Dave Marley - **The Classic Chart Rundown**

Sun 0100: Danny Sun - His **Unique show** (see Tue 2100)

Sun 0200: Emperor Rosko - **LA Connection** - Two hours of fun & fab Classic hits

Sun 0400: Dave Gregory - **Back to Back** - Dave takes you back with a focus either on a month of hits or a style of rock / Motown or different music

Sun 0500: Kenny Tosh - **The Radio Ship Revival Show** - the best 60's and 70's hits & Gems

Sun 0700: Emperor Rosko - **LA Connection** - Two hours of fun & fab Classic hits

Sun 0900: Melvin Jordan - **Gospel Vibrations** (see Sat 2100)

Sun 1000: Danny Sun - **Laidback show** - tunes from established and independent artists

(Special thanks to **Jen in the Rad** for updating me on the C.A.R.N. schedule)

## Radio Romania International



I have not recently listened as regularly to **Radio Romania International's** English service as I once did. So, in the recent few days, I have made a special effort to listen to their one-hour program.

On 22 December, I heard their program at 2200UTC on 7220 kHz. The program started with the regular **News** broadcast, with the lead story today about the commemoration of the heroes who died during the 1989 uprising in Romania, which was followed by **Hit of the Day** (a song by Mario Fresh, or perhaps spelled as Fresch). Next was **Society Today**, with a slightly disturbing account of research carried out by the Save the Children Foundation into abuse against minors. For instance, here are two excerpts from the program:

*"More than two out of ten children say they don't see a doctor when they are sick, that they are left to mind their smaller brothers and sisters overnight, or are left alone at home for days on end." [...]*

*"...sexual abuse report percentages are still worrying. Around 3% of parents report such abuse, with about two thirds reporting an unknown person as the perpetrator, and about 2.9% of teenagers reporting that they were forced to have sexual relations against their will. However, experts believe that this may be a case of under-reporting."*

It wasn't clear from the program the extent of the research, and whether this was carried out in Romania only, or some particular region, or global research. It would have been useful to know this, but I assume that the statistics relate to Romania.

At 2230 came their regular Wednesday program **Music of Romania**, which (along with **Truly Romanian** on Tuesdays and Fridays) features traditional Romanian folk songs. The program was introduced:

"Christmas, or the nativity of our Lord Jesus Christ, is lavishly celebrated through carols" and followed five rather nice traditional carols, each from a different region of Romania (south, north-east, north-west, north and finally one from Transylvania). This program was followed **Happening in Romania** by a look at the gradual introduction of 5G mobile data, and the effects it will have on our lives, comparing it with the introduction of the internet some 20 or so years ago. Finally, the program ended with the daily **Simply Folk** with a song about Christmas.

This was another example of Radio Romania International's very varied programming each day. A visit to Radio Romania International is expected to be part of the EDXC Conference in Bucharest this coming May, Covid-19 permitting of course. If the Conference goes ahead, and Covid allows, then I look forward to attending and visiting the station in person!

### Christmas Eve

I have just a little space here to note a couple of traditional "must-listen" Christmas Eve broadcasts:

Reception of the **Festival of Nine Lessons and Carols** on the **BBC World Service** on Christmas Eve was poor this year: barely audible at the start at 1505, but improving a little later on such that the carols at least were audible. This was on 7485 kHz via Singapore (with neither 9410 nor 17830 heard). At 1600, 7445 kHz via Madagascar was providing better reception. However, hearing the carols marks the start of Christmas festivities. I hope that you managed better reception. Of course, I could have listened to the whole program via local BBC Radio 4 FM in full stereo, but where's the fun in that?!

The **NDR *Gruß an Bord*** program was due to air with a slightly different format this year and not due simply to the Covid pandemic. In recent years, the format has always been a four-hour broadcast in two parts (part 1 being greetings to sailors at sea around the world and light music, and part 2 comprising a Christmas Eve Mass, and then continuation of greetings and music). This year, the plan was for a three-hour program, omitting the Church service due (as explained by Kai Ludwig in the WOR iog mail list) to NDR now producing the ARD overnight service for news stations that would have conflicted with the *Gruß an Bord* program.

In the event, Media Broadcast messed the whole thing up and supplied the wrong feed to the shortwave transmitters from 1800UTC. For myself, and (I suspect) other non-German speaking listeners, this wasn't immediately apparent, although it didn't sound like the program of past years. Finally, Harald Kuhl in the WOR iog mail list revealed that the program being heard was a children's program called "Mikado". The error was finally fixed at 1900UTC when the transmission switched to the *Gruß an Bord* as it entered its second hour. The next two hours provided a nice mix of greetings and light music, ending with a rendition of Silent Night until it cut-off mid-note at 2100UTC when the transmitter switched off. I listened on 6080 kHz, which provided good reception via Tashkent. I hope that the sailors who missed their greetings and name-checks in the first hour got to hear them later via a podcast/listen again over the internet.

### A final word

**John Gleeson**, in the UK, writes: "as you do compilations of music and music programs that may be heard on the radio, particularly, but not exclusively on short wave, here is something I heard on last Sunday's **BBC 6 Music's *Freak Zone*** with Stuart Maconie that

I thought may well interest you and fellow DXers. The "Shipping Song" by Lisa Knapp." <https://youtu.be/Oa-Rdtbnow>

// Thank you, John. Who'd have thought that simply singing the Shipping Forecast area would make for such a very pleasant song!

Meanwhile, the *Music Time in Africa* Facebook page linked a video of MTIA's

Heather Maxwell, looking very cool as an artist in the mid 1990's - long before her time on the Voice of America (and known then as Anna Maxwell) singing a song called *Donba Kononi* (an interpretation of a Malian folksong). Well worth a listen at: <https://www.youtube.com/watch?v=FyrrESUI1A8>

All the best until next month - Alan

# International Broadcasting

Kim Andrew Elliott • 5001 25<sup>th</sup> St. North • Arlington, VA 22207 • [kimelli@verizon.net](mailto:kimelli@verizon.net)  
<http://www.kimandrewelliott.com>

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## Memories of the World Radio TV Handbook

Early in December, we heard the sad, but not unexpected, news that the World Radio TV Handbook would cease publication after its 2022 issue, unless a new publisher comes forward. I have purchased the WRTH since 1966. During my DXing years, and eventually my academic career, and 32 years at VOA, there was probably not a workday that I did not reach for my WRTH to look something up. Even now, in retirement, I use it at least once week.

I admire the heroic efforts of the WRTH editors, especially during the past few decades. During the 1960s, and before, the radio scene in most countries consisted of a government monopoly broadcasting service with just a few medium wave, and possibly shortwave, transmitters covering the entire nation. (And back then, a few countries had rediffusion systems: radio broadcasting via wired networks, pre-cable TV.) An entire country's listing could be contained in a quarter-page.

By the 1980s, most countries were supplementing and eventually supplanting their MW/SW facilities with FM transmitters distributed around the territory. And private broadcasting was proliferating, resulting in even more FM transmitters, station addresses, etc. The WRTH project was becoming ungainly, and the books were getting thicker.

Television was always second banana in the World Radio (ahem) TV Handbook. Back in those early years, in most countries, television activities were sparse, if they existed at all. Then television boomed, with more channels, and more companies, making production of the WRTH even more complex. WRTH did not attempt to tackle, as a directory, cable and direct-to-home satellite television. The newest forms of television, OTT and streaming, would be an unimaginable challenge.

Even if the editors of WRTH could find the time and energy to keep up with the changing global broadcasting scene,

traditional broadcasting, the bread-and-butter of the WRTH, is in decline. This is especially true of radio, the first banana of WRTH, and extra especially true of shortwave broadcasting, which was always the prime interest of WRTH editors and readers.

And speaking of readers, the DXers and radio enthusiasts who were among the main purchasers of the book, are passing from the scene, and for the most part not replaced by younger generations. Advertisers – broadcasters and equipment makers – are also not coming forward. This means that revenue must come from sales of the book, whose price is getting higher (46 bucks for the 2022 edition!).

### **A redefined WRTH?**

If WRTH could survive, what form would it take? It would probably have to go online, to save costs all around, and to allow continuous updating. The problem is that many potential customers think that if it's online, it should be free. A paywall could be a tough sale. Pirated content would inevitably filter out. Advertising, too, is more complicated online.

WRTH could revert to its 1950s era name: World Radio Handbook. This old-is-new approach would focus on shortwave broadcasting, international and domestic, in every country where it exists, as well as medium wave broadcasting intended for cross-border audiences. High-powered MW and LW domestic stations often heard in other countries could also be listed.

The customer base would be well defined: DXers, shortwave listeners, other radio enthusiasts, and people in the profession. Now that most amateur radio transceivers have general coverage receivers, the publication could also be marketed to hams, offering them a guide to what can be heard

outside the amateur bands. The advertising base would also be specific: makers of receivers, SDRs, and accessories, as well as transmitter and studio equipment manufacturers and transmission services (relays for hire).

Of course, the decline of shortwave broadcasting continues, although the curve seems to be flattening. We would hope that decision makers are starting to notice the increase in internet censorship and interdiction by an increasing number of regimes, and realizing that shortwave can be a workaround. There is also a small renaissance in shortwave broadcasting, in the form of low-powered stations in Europe and a few other places. And, finally, DRM is still trying to establish itself, for domestic and international broadcasting, offering more opportunities for reader and advertiser interest.

Another offshoot of WRTH could focus on all forms of international broadcasting, although the much fuzzier term "international media" might have to be used. It would list all entities that transmit news and ersatz news (propaganda) from one country to other countries, usually in multiple languages. In addition to whatever is left of international shortwave broadcasting, the country listings would include international television efforts such as CNN International, Al Jazeera, France 24, and NHK World. Also listed would be websites and other online presences in multiple languages. These would include Swissinfo, successor to Swiss Radio International, the websites of Radio Sweden, Radio Prague, Radio Canada International, and foreign-language versions of newspapers, such as the Chinese editions of the New York Times and the Wall Street Journal. For this reference publication, the reader and advertiser bases would be less

well defined, perhaps necessitating a steeper paywall.

### **Recalling my first WRTH – 56 years ago**

As I read through my 2022 WRTH, nostalgia will set in. I'll remember when my first WRTH, the 1966 issue, arrived from Gilfer Associates. As an adolescent shortwave listener and world affairs buff, the book opened my eyes to the complexities and international and domestic broadcasting, including the equipment involved (there were still ads for recording discs!), and to the contending bureaucracies of the Cold War.

Probably my favorite part of the 1966 WRTH was the advertisements for international radio stations. They were enticing me to listen! The first ad I noticed, and will always remember, was Radio Andorra – not that I had much chance of hearing its shortwave outlet on my Knight-Kit Star Roamer. It pictured the tidy transmitter room, with checkered tile floor. It looked like what I thought Europe would look like.

Other advertisements included Deutsche Welle and, a few pages later, Deutsche Demokratischer Rundfunk. Also: Radio Nederland Wereldomroep, including mention of relay service for the USA (for a radio station in Holland, Michigan, as I recall) and its transcription service. Radio Budapest “News! Views! Debate! ... Special programmes for Radio Enthusiasts!” Radio Portugal “The Voice of the West”. Radio Bucharest, offering a “beautiful diploma” to “our listeners who will send us 12 reception reports, within 3 months.” Radio Sweden, showing an azimuthal projection (seven beam headings) of its shortwave transmitters. SBC, with a photo of “Franz Schneider, Switzerland’s last town crier ... informing the citizens of Ramsen, in Northern Switzerland, for the last 35 years.

Broadcasting to the world is the European & Overseas Service of Swiss Broadcasting Corporation.” This was before the name change to Swiss Radio International.

And the big one: “This is Radio Moscow! ...heard abroad in 54 foreign languages and 10 languages of the USSR ... special programmes for women and youth.” Oddly enough, none of my teen-aged friends tuned in to Radio Moscow’s youth programs.

In the Africa section of the book, Laurenço Marques Radio (“Wavebands for happy listening”) in “Portugal Mocambique” – Portugal considered Mozambique not merely a colony, but part of Portugal proper. But it *was* a colony, and it was eventually liberated. The “happy listening” referred to the popular music aimed at neighboring South Africa, where the SABC’s musical fare was not so happy. Laurenço Marques Radio was border radio, on MW and SW.

Finally, in the North American section, a half page ad for the international service of the Canadian Broadcasting Corporation (it became “Radio Canada International” in later years). Next, Voice of America, with a great photo of its curtain antennas. The address, of course, led with parent bureaucracy U.S. Information Agency. And, two pages later, Radio New York Worldwide -- my favorite station of the time. It was still WRUL in 1966. A photo showed RNYW personalities Hill Edell, John Anthony Zee, Les Marshak, Kelly Fitzpatrick and André Mostert, standing in formation in a New York City park.

Happy New Year and may 2022 bring a not so rapid decline for shortwave broadcasting, and, for that matter, for all of us.

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

# Shortwave Center

John Figliozi • 45 Algonquin Rd • Clifton Park, NY 12065 • [jfiglio1@nycap.rr.com](mailto:jfiglio1@nycap.rr.com)

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*Happy New Year! Let's hope that this is the year we finally put this pandemic behind us.*

*Nonetheless, we have our radios. There's a rising solar season and – while the daylight is*

*once again increasing – the month commences just a week and a half after the winter solstice. For the DXer, things are good! This month, SWC has an SDR review from member Greg Majewski and some radio history.*

## SHORTWAVE RECEIVER REVIEW

### The Malachite or Malahite DSP-DSR

By Greg Majewski (NASWA)

I decided to start my shortwave listening hobby back up after a break to help with my grandchildren. It is amazing how young children seem to consume the energy of adults. But they are fun and bring hope.

I was talking to a friend about receivers, who was a professional colleague. He suggested that I try one of the software defined radios (SDR) that are available. I did the research and decided to try the AirSpy HF+Discovery. The decision was driven by AirSpy's use of a 16-bit converter in their design. The greater the number of bits in the conversion process, the better the dynamic range.

The AirSpy works well. I did find a problem. It drained the battery of my laptop computer. Using the computer with its charging supply raised the noise level and covered many signals. I tried the usual approaches and was unsuccessful. I did learn the USB cable ground becomes part of the antenna. Touching the cable with a good ferrite core at each end of the cable, would still couple noise into the receiver. I decided

to look at what other SDR receivers were available.

I found the Malachite or Malahite DSP-SDR on the Internet. The Malahite was in my price range and readily available. The Malahite is a Russian design that uses a broadband RF integrated circuit with a 32-bit processor. The RF IC uses an analog I/Q conversion process. It has a small touch screen display for a user interface. It is also an "open hardware" design meaning any one can make and sell them. The software for the design requires a license (\$50) for full operation. A good number of the offerings have the free limited test software.

The Malachite or Malahite DSP-DSR has the following specifications:

a. A licensed (registered) version has a frequency range of 50 kHz to 200 MHz and 400MHz to 2GHz. The test firmware only covers 50 Khz to 200 MHz.



b. User controls are two (2) rotary encoders with an embedded push button and a 3.5-inch IPS touch screen. The touch screen displays system information and a 160 Kilohertz spectrum display with a waterfall.

c. It is based on a MSI001 RF integrated circuit and a stm32h743 32-bit microprocessor with a clock frequency of 480 MHz.

d. It decodes analog modulation: AM, SSB, NFM, WFM with settings for variable filter width, adaptive noise suppressor, noise blanker/squelch, AGC, audio equalizer and broadcast FM stereo/RDS decoder. The RDS decoder uses the European RDS standards.

e. It has fifty (50) memory locations for frequencies and associated settings.

f. The size of my unit is 4 inches (102mm) by 2.9 inches (74mm) by 1.1 inches (29mm) with a weight of 540g.

g. It has at least a 1500 mAH lithium battery. (Based on my use, the estimated time is 4 to 5 hours of operation on the internal battery)

h. The connectors are: female SMA antenna connector, 1/8-inch headphone jack, and the new TYPE-C USB connector for

battery charging and interfacing to a computer.

The reviews were interesting. The reviewers either loved it or hated it. I quickly found a common thread with the negative reviews. The reviews were usually negative for the version with free test software. The reviews of units using the licensed software were much better. The reviews also reported quality problems with the low-price units, which also seem to only come with the test software. The other problem was the limited documentation. Ha, I am an old guy. Who needs instructions?

The process of getting a unit from the Russian designers is not easy. I could not easily find the Russian web site for ordering a unit. When I did find it, there was a long wait time to get one. I also did not have a good feeling about the money transfer process, which uses Pal Pay Friends and has more restrictions than the normal Pay Pal transfers. It seems that eBay and Chinese vendors were also the source for one.

Having brought electronic items from Chinese vendors on eBay in the past, I use this approach to selecting one. Finding the vendor with a price for an item in the middle of the price range, I visit their store. If the store is selling a limited number of electronic items along with toys, clothing, jewelry, etc. then I do not purchase from that vendor. It is highly probable that the vendor does not know much about the item. However, if the store has a lot of various high-tech items both mechanical and electronic including some high-price ones, then the vendor has the knowledge to ensure the items are of better quality. So far this has work well for me.

I actually bought two units. The first was a licensed (registered) 1.10a version and the second is a licensed (registered) 1.10c

version. The user interface with the touch screen is quirky. This is cause of some of the negative reviews. I found I had to use a stylus to control the version 1.10a unit. My "fat finger" could not select the proper control. The version 1.10c has an improved touch screen software and additional controls. With the 1.10c version, the stylus did not work, but the "fat finger" worked well. The software development is still a work in progress.

The audio output is reasonable for both versions. There is a small speaker. Like other radios with small speakers, if I take out my hearing aids, then it sounds ok. However, with the hearing aids, it is a bit high-pitched. My solution was to use the headphone jack and a Logitech Z150 computer speaker. With Z150 speakers, the audio is good with or without hearing aids. The stock power supply of the Z150 is noisy in both the medium wave band and the lower portion of the shortwave band.

As far as RF sensitivity goes, both versions are as good as other receivers that I have used. The signal strength meter is in S units and reads high. You can also get a small display of signal power (dBm) or signal to noise ratio (dB). I found the signal power display to be good for me. The actual value of the power measurement is suspect, but the relative dB changes are correct.

I have used it for several months now. My antenna is a 50-foot end fed wire with a 9 to 1 matching transformer. Using local signals, I was able to check performance from the medium wave AM band (540 kHz) to NOAA weather stations (162 MHz). I can only comment on operation below 200 MHz. Performance is the same for both versions.

The VHF performance (FM broadcast and NOAA stations) was the best. The Malahite is better than several other FM receivers that I

have. I found two new low power education stations with it. This is using an antenna that is not the best. By touching the waterfall display, one can get two (2) optional displays. One is the demodulated spectrum and its associated waterfall. The second, which I like and use, is the demodulated spectrum and displayed RDS data stream information. The RDS decoder uses European standards, which results in incorrect program type information. The RDS data does show the PI hex value, which is the encoded call sign of the originating station. One cannot use the noise reduction with wide band FM.

The HF performance is very good. There is an occasional sign of the Malahite being overloaded. The overload condition can be eliminated by using the menu gain controls. The noise reduction algorithm (NR Menu Button) works well to clean up a signal that is fair to good. With excellent signals, it reduces high frequencies too much. With poor signals, it helps but is not a fix for the lack of signal. I have been using the Malahite for my listening and am very satisfied with it for shortwave.

The problem areas are medium wave and long wave. AM broadcast stations are found below 500 kHz. I tried using an AM medium wave band stop filter and still found AM stations below 500 kHz. Using the various gain settings did not help. I heard, in the background of the station audio, HF signals (manual morse, etc.). The Malahite has spurious mixing products in this range. The Malahite is acceptable for casual listening to medium wave AM stations. If you are interested in long wave and medium wave, then this receiver is not for you.

I have tried interfacing the Malahite to my laptop for use with the Console SDR software. I found the unit drew as much

current as any other USB SDR device. One still had to use the unit menus to control the unit.

Bottom line on the Malahite-DSP SDR radio is:

a. If you are looking for a receiver that works out of the box by just connecting an antenna and power, then the Malahite is not for you.

b. If you do not mind experimenting and trying things for a learning experience then this is a nice little receiver. Being small and light, it would be good for a DXpedition or a small listening post.

I do enjoy using my version 1.10c unit in spite of its quirky user interface. It works for what I want to do. If you are interested in this receiver then my recommendation is to get the licensed (registered) 1.10c version.

## SHORTWAVE HISTORY

### Radio At 100: 'KDKA: The Morning After' What do we do now?

By James E. O'Neal

**PUBLISHED: DECEMBER 23, 2021**

#### RADIO WORLD MAGAZINE

The evening of Tuesday, Nov. 2, 1920, had come and gone. KDKA, 8MK, and perhaps others had taken to the airwaves that evening to report returns in the election that put Warren G. Harding in the White House. A few hundred, perhaps a few thousand people — there were no rating services then — managed to gain proximity to a primitive radio receiver of some sort and listened as the results were tallied and read into equally primitive microphones.

The election was over, the motor generators had spun down, and the tubes had cooled; the big question at KDKA as Nov. 3, 2021 dawned was certainly "what do we do now?" (Getty Images)

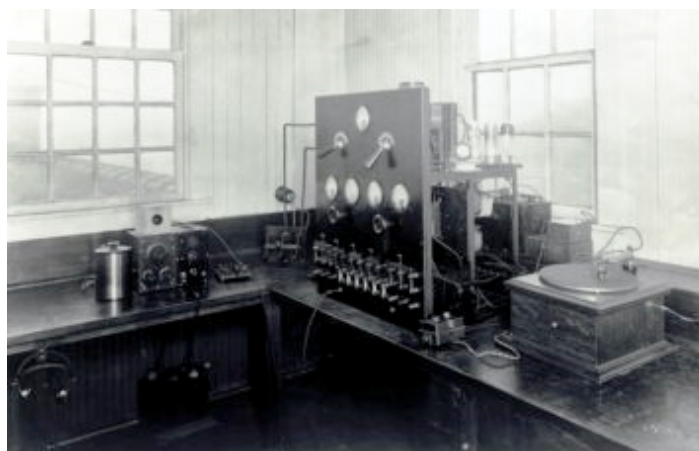
In retrospect, one can't help but wonder what went through the minds of those individuals who stayed up late to present election results via "radiophone." A radio broadcast is at best an intangible —

something highly ephemeral, perhaps even a bit ethereal.

Had their voices really gone out into space to reach invisible ears? Had anything happened at all? There had to have been at least a slight sense of unreality in those first moments, a feeling perhaps best captured by Garrison Keillor in his description of the inaugural broadcast of mythical station WLT in St. Paul, Minn.

#### What now?

KDKA's seminal broadcast way back in 1920, is now viewed as a great day — a truly



historical one; something that changed the landscape forever. However, as with any event important enough to make its way into the history books, there's always the dawning of the next day — the interval after the initial exuberance has passed and cold reality begins to set in. It is then that those who have been cheering in celebration are forced to stop and ponder “what happens next?”

This thought most certainly was on the minds of those at Westinghouse the morning of Wednesday, Nov.3, 1920.

Newspaper headlines that day said virtually nothing about radio. Instead, they screamed “HARDING BY MILLIONS,” “G.O.P.’s GREATEST VICTORY,” “HARDING WINS,” or whatever similar messages regarding election outcomes that could be fitted across the page in the largest type fonts available.

The words “radio” or “wireless” were hard to find, even down in the “noise” of the 6-point type reserved for classifieds and obituaries. Was there really a future in radio, or was the

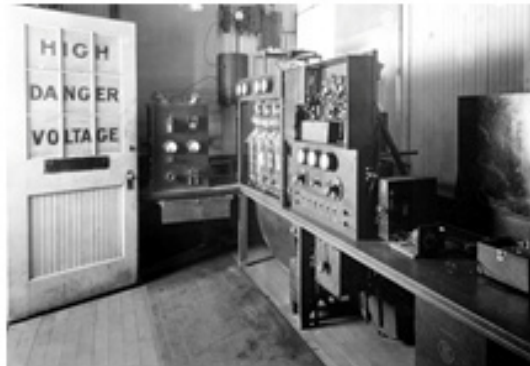
broadcast destined to be just another “flash in the pan?”

### **Where are the cards and letters?**

Judging from initial reaction by the public — other than some amount of well-wishing by those tuning in the KDKA broadcast — nothing had really changed. An examination of post-election night periodicals seems to indicate there was little direct impact — no uptick in business at the few sources for radio receivers and parts, no immediate backlog of applications for new stations at the Department of Commerce.

The public continued to read their newspapers and magazines, exchange gossip at card games and in barber shops, and seek out sources of illicit alcohol as Prohibition set in. The print media for the most part ignored radio as 1920 flowed on into 1921.

This would not be unexpected, as there is generally a “wait and see” attitude following the launch of new technology. A commercial aviation industry did not spring up



As 1921 progressed, Westinghouse, convinced that there was a future in radio broadcasting, continued to enhance the facilities of its fledgling station KDKA. One of the additions was the construction of the first real studio seen in the photo at left. Westinghouse management also budgeted a higher power replacement for KDKA's original 100-Watt transmitter. It was installed just a few months after the November 1920 election eve broadcast (center). Another indication radio for the masses was here to stay was the January 1921 KDKA hire of the world's first full-time radio announcer, Harold Arlin (right). He is credited with handling the first radio play-by-play descriptions of both baseball and football games. (Photos courtesy National Museum of Broadcasting)

immediately after the Wright brothers' inaugural flight, and more than 100 years passed between the issuance of a patent for the first dishwasher and its widespread appearance in homes.

As for "radio gripping the hearts and imagination of Americans everywhere" following KDKA's big broadcast, there's little evidence to indicate that it initially made much difference one way or the other.

There were even non-believers and scoffers. One 1921 account describes an early demonstration of broadcasting with music transmissions demonstrated via a "mobile" receiver constructed in a baby carriage. Some "ear witnesses" were in denial of the wireless nature of what they were hearing, insisting that there must be a record player concealed in the carriage.

### **Pittsburgh push continues**

Westinghouse still convinced it was riding a winning horse, continued to plow money into fledgling KDKA in 1921, boosting its power from 100 watts to 500, and then a full kilowatt and creating a broadcast studio.

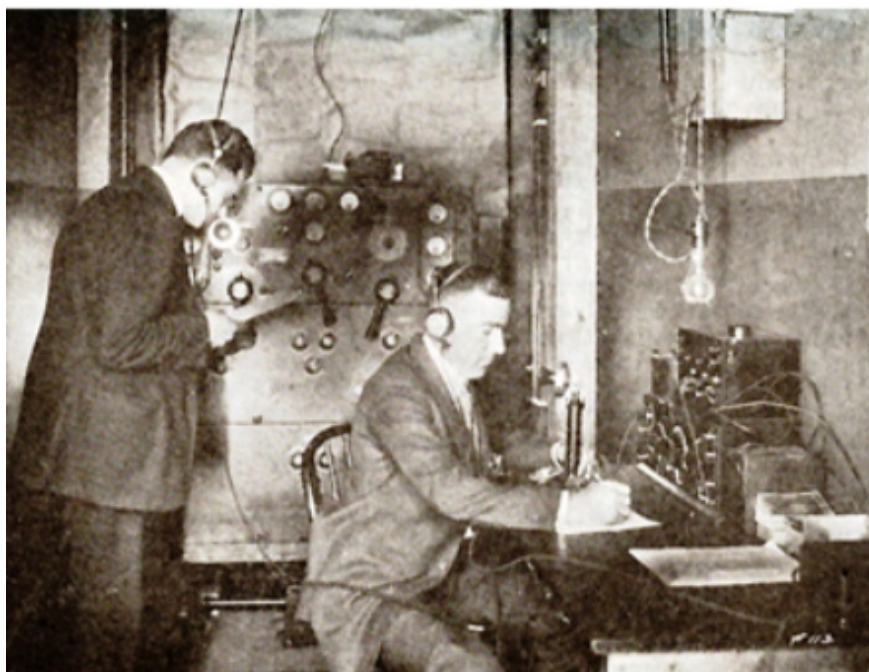
Program offerings were also expanded with the addition of live musical performances, agricultural and weather reports, church services, and more.

Westinghouse's PR branch stayed busy, issuing frequent press releases about KDKA to any and all print publications that might help to further the cause.

An example of such Westinghouse puffery appears the April 1921 issue of the trade publication, Radio News:

### **THEATRE MUSIC SENT BY RADIOFONE**

*The latest thing in providing entertainment by radiofone in Pittsburgh is the sending out of*



Radio broadcasting received a really big boost in 1921 from the broadcast of the July 2 Dempsey-Carpentier fight. The 3 kW transmitter used by the Hoboken, N.J. temporary station, WJY, is seen here. Reports were relayed from ringside and read by an announcer. The radio coverage of the championship fight was heavily promoted as evidenced in this photo (right) of a New Jersey boardwalk rolling chair.

*portions of the program given at a downtown theater. This is accomplished in the same manner as the church services at the Calvary Church in the East End. Telefone transmitters placed in the theater collect and transmit the sound over a special telefone wire to the radio station of the Westinghouse Company in East Pittsburgh (Radio KDKA), where it is then sent out by radiofone.*

### **Promotions big and small**

Hugo Gernsback, editor of Radio News, and something of a visionary and prophet, was also a believer in radio broadcasting's future, going so far as to drop the word "Amateur" from the title of his radio magazine in mid-1920 and welcoming such press releases.

Throughout 1921 Gernsbeck advocated "radio for everyone" in his magazine's pages, with sometimes lengthy articles on new "radiophone" stations, demonstrations of speech and music transmissions, and simplified and less expensive access to radio for the public.

Perhaps the biggest boost received by radio broadcasting during its first year was the July 2 "fight of the century" featuring Georges Carpentier and Jack Dempsey.

While radio coverage was not the prime objective of this heavily-promoted event, others, outside of Westinghouse (most-notably RCA's David Sarnoff), apparently saw some dollar signs in the new medium and added it to the mix.

The fight coverage station, WJY, was licensed as a temporary entity, and equipped with a General Electric transmitter that had been sidelined from delivery to another customer. (The "borrowed" nature of the gear may explain why WJY operated at 1,600 meters (187 kHz.) Another twist was the recruiting of licensed radio amateurs to

assist in disseminating the broadcast, as radio sets were not really household items in 1921.

The "ham" community set up receiving apparatus in performance halls and other venues, and ensured that everything worked properly. Even though reception of a 187 kHz signal and amplification to room-filling volume presented a challenge to the amateur radio ranks, many were able to deliver the goods to their captive and somewhat astonished audiences.

That collective audience was substantial, estimated at some 300,000, and most-assuredly exceeded "tuners-in" to KDKA's election night event.

While the intent of July broadcast was to attract attention to the fight, it also did much to arouse public interest in radio, perhaps even more so than what Westinghouse was trying to accomplish with KDKA.

### **Priming the pump**

1921 also saw other, less flamboyant, demonstrations of broadcasting.

Perhaps the best documented of these took place on Nov. 15, 1921 in Pine Bluff, Ark., where the president of the Arkansas Power and Light Company, Harvey Couch, had arranged for a broadcast of live and recorded music from Couch's home to a meeting of the city's Rotary Club. (AP&L was a Westinghouse customer, with Couch touring the KDKA operation during a buying trip to Pittsburgh and becoming a convert.)

Couch, the Rotarians, and others were so impressed with this latest miracle of science that shortly after the pre-Thanksgiving demo, Couch applied for a license for Arkansas's first broadcast station.



Harvey Couch (Butler Center for Arkansas Studies, Central Arkansas Library System)

This, and similar efforts around the country had the effect of priming the pump. The public was definitely becoming interested in radio and Westinghouse extended its broadcasting reach to other population centers, breaking ground on stations in Massachusetts (WBZ), Chicago (KYW) and New Jersey (WJZ).

## SHORTWAVE HISTORY

### ADRIAN PETERSON'S DIARY Adventist World Radio Celebrates 50 Years

It was on Friday evening, October 1, 1971, that the first shortwave broadcast from Adventist World Radio (AWR) was beamed towards Eastern Europe from a 250 kW Marconi transmitter at Radio Trans Europe in Sines, Portugal. That was the beginning, and Friday, October 1, 2021, was the 50th

Gernsback also kept up with his promotions in print, ending 1921 with this editorial:

*"To the careful observer, during the past six months it has become apparent that we are finally headed in the right direction as far as popularizing radio is concerned. We may say that we are now right in the midst of a revolution, as far as radio and the great public are concerned. We see the weather marks everywhere. The newspapers are becoming enthusiastic about radio, and devote more and more space to it. The man in the street is beginning to take a lively interest in all things radio. The editor's desk is beginning to become flooded with letters, not from radio bugs alone, but from the layman, who does not know the difference between a detector and a telephone receiver—all of which is a healthy sign, and we may say that radio is entering into its last and final stage, as far as the public at large is concerned."*

From all appearances, 1922 was shaping up to be a very big year for radio broadcasting.

*The author wishes to express thanks to the National Museum of Broadcasting's Rick Harris; radio collector and conservator, Gary Alley; and to Guy Lancaster and Brian Robertson at the Encyclopedia of Arkansas for their assistance in the preparation of this article.*

anniversary of that now historic introductory broadcast from what was then an important shortwave station that now no longer exists.

In that earlier era, there were three major units of Adventist World Radio, though

initially each facility was operating independently. AWR-Europe was inaugurated via the German Deutsche Welle relay station at Sines in Portugal back in 1971. The original AWR-Asia was on the air from the shortwave transmitters of the Sri Lanka Broadcasting Corporation at Ekala, a dozen miles north of Colombo, and it was officially recognized as an AWR unit five years later. Then, in 1991, the AWR unit in Latin America procured the shortwave station at Cahuita in Costa Rica that was previously operated by the American government as Radio Impacto. We go way back, before the beginning.

### **Adventist Shortwave Broadcasting: Before the Beginning**

The earliest attempted foray into shortwave broadcasting on the part of the Seventh-day Adventist denomination occurred in March 1928 when John Fetzer lodged a request with the newly established Federal Radio Commission in Washington, DC for a shortwave broadcasting license. It was Fetzer's intent to co-install a shortwave transmitter with his mediumwave station, WEMC, at what is now Andrews University in Berrien Springs, Michigan.

However, Fetzer's shortwave request was denied, and subsequently he bought the mediumwave WEMC and transferred it to Kalamazoo as WKZO. A dozen years later, Fetzer also participated in establishing another mediumwave station, the 50 kW KXEL (1540 kHz) in Waterloo, Iowa, a station that is often heard across the Pacific.

In 1942, the legendary Dr. H. M. S. Richards, with his Voice of Prophecy radio program, was on the air from AFRS shortwave in the United States; and two years later (1944), the Australian version was heard from Radio Australia, Shepparton in Victoria. Back during that era, other shortwave stations

that carried similar Adventist programming were ETLF in Ethiopia, CR8A in Goa, SLBC in Colombo, Ceylon, as well as several other shortwave stations in Asia and Latin America.

### **Adventist World Radio - Europe: The Beginning**

During the year 1968, while they were living in Lahore, Pakistan, our Wavescan DX editor Adrian Peterson was invited to serve as an informal adviser to fellow Australian, Dr. Walter Scragg, who was serving in international radio leadership at the global headquarters of the Adventist denomination in Washington, DC. It was at this stage that serious planning was underway for establishing a coordinated global radio outreach on shortwave.

Three years later, the newly married Allen and Andrea Steele were transferred from specialized FM radio programming in Washington, DC, to Lisbon in Portugal to head up the inauguration of the new Adventist World Radio, a name that Adrian Peterson had suggested to Walter Scragg. After many weeks of coordination with the main production studios in Paris, France and Darmstadt, Germany, the time had come for the inaugural shortwave broadcast from the fledgling Adventist World Radio: Friday evening, October 1, 1971.

In preparation, Allen and Andrea had timed and coordinated all of the programming for the first full week in a special studio of Radio Trans Europe on the top, 6th floor of an ornate residential building at 84 Rua Braamcamp in Lisbon. Then, by car, they personally delivered the complete set of program tapes, now ready for broadcasting, to the Radio Trans Europe on-air coordinating studio at Sesimbra, some twenty four miles south of Lisbon.

At Sesimbra, all programming was microwaved forty miles across Setubal Bay to the shortwave station, which was located near the ocean on Monte Mudo Hill, close to Cape Sines. The inaugural AWR broadcast was in the Italian language and it began at 2015 UTC over Transmitter 3, a 250 kW Marconi transmitter at Radio Trans Europe on 9670 kHz.

Radio Trans Europe at Sines in Portugal was established under supervision from Deutsche Welle in Germany. The two original transmitters had been procured initially for installation in a new Deutsche Welle shortwave relay station in El Salvador in Central America. However, when that project was cancelled due to lack of government approval, the two transmitters were instead diverted for installation at the new Deutsche Welle shortwave station near Sines in Portugal. This station was closed ten years ago (2011).

### **Adventist World Radio - Asia**

The first Adventist broadcasts on shortwave in Southern Asia were on the air from the original Radio Goa, beginning in April 1950. Six months later (October 1950), the same program relay was carried by Radio Ceylon from their shortwave station at Ekala, a dozen miles north of the national capital, Colombo.

A quarter of a century later (1975), the Peterson family was transferred from Colombo in Sri Lanka to Poona in India for the purpose of coordinating the Adventist media ministry in the twelve countries of the old British India. At that time there were more than half a dozen programs in almost as many languages on the air shortwave from SLBC Ekala, most of which were produced in the radio studio at Salisbury Park in Poona (Pune) India.

A year later, all of the separate radio programming was organized into a combined unit, and on October 7, 1976, the head office in Washington, DC gave formal recognition of the Poona based radio studio as an AWR unit, AWR-Asia. All of the AWR programming that was produced in the Poona studio was broadcast in Sri Lanka on shortwave, mediumwave and FM. The Ekala shortwave station was closed and abandoned in 2013.

### **Adventist World Radio - Latin America**

Back in the earlier radio broadcasting era in Latin America, many mediumwave stations also co-installed a shortwave transmitter with their mediumwave unit. Likewise, several Adventist radio stations in Latin America also operated on shortwave, at least for many years. Back then, for example, there was Union Radio (mediumwave and shortwave) in Guatemala City; and Radio Amanecer in the Dominican Republic, and Radio Celendin in Peru; and Radio Alajuela in Costa Rica.

Under the leadership of David Gregory, the Radio Impacto shortwave station at Cahuita on the Caribbean coast was procured in 1991. With studios in Alajuela, the programming of Adventist World Radio-Latin America in Spanish and English was carried over their five shortwave transmitters. However, eight years later (1999), the Cahuita shortwave station was sold off to new owners, and then a couple of years later again, it was closed.

### **Conclusion**

It is true, all three of the original shortwave stations that were on the air with AWR programming have since been closed. However, the international shortwave service of Adventist World Radio lives on with programming produced in more than a hundred languages in almost as many different production studios on all

continents. Affiliated with AWR are 1,700 local AM, FM and shortwave stations in a host of different countries on all continents.

Subsequent to the story of the AWR shortwave units that were established in Europe, Latin America and Southern Asia, the next AWR shortwave station was KSDA

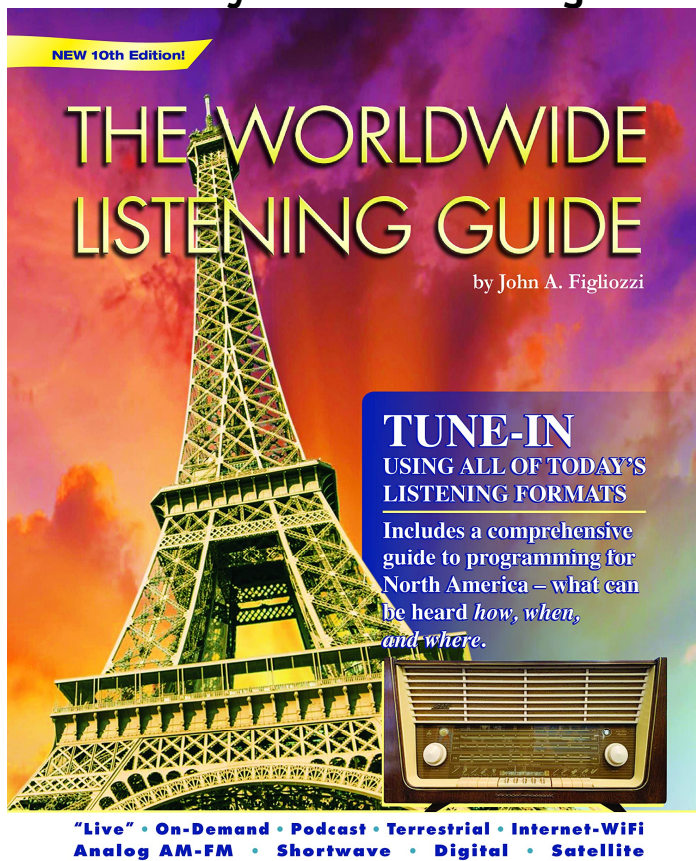
on the island of Guam. That station was built under the supervision again of Dr. Allen and Mrs. Andrea Steele beginning in 1985, but that's a story for another time. In the meantime, we honor the 50th anniversary of the first shortwave broadcast from Adventist World Radio, which took place over the Deutsche Welle relay station at Sines in Portugal on Friday evening, October 1, 1971.

## SHORTWAVE BOOK REVIEW

### Book Review: The Worldwide Listening Guide

New 10th Edition!  
By John A. Figliozi

Reviewed by Richard A. D'Angelo



Hot off the presses is the new 10<sup>th</sup> edition of John Figliozi's popular Worldwide Listening Guide ("the Guide") which explains radio listening in all of today's formats - "live," on-demand, WiFi, podcast, terrestrial, satellite, internet, digital, analog AM, FM and, of course, Shortwave broadcast. It's

been over three decades since the first edition of the Guide was produced with a strong emphasis on traditional radio mediums, AM, FM and shortwave. Long gone are the days where you could listen to everything you wanted by tuning only the shortwave bands. As the author notes, *"Over the three decades it has been in print, radio's "architecture" has expanded appreciably. What hasn't changed is radio's "essence." It's still the best medium."* The Guide recognizes the current limitations of simply relying only on shortwave broadcast listening and continues to expand coverage to enable the astute listener an opportunity to hear old, and new, favorite radio programs on whatever medium they may be carried on in today's world. The Guide continues to evolve as listening formats evolve.

The author has been an active shortwave listener and programming aficionado for several decades. John has always been a consumer of radio content critically analyzing and commenting upon the good, the bad and the ugly for many years. Currently, he is the editor for the club's Shortwave Center column as well as a member of the club's Executive Council. Over the years, John has edited several other columns about shortwave radio and listening

topics for other radio publications as well. In addition, each year he shares the hosting duties with Richard Cuff for the NASWA sponsored annual Winter Shortwave Listeners Festival which has been in virtual mode the last two years.

By checking the Table of Contents, you will notice that the Guide is divided into thirteen separate sections. However, there are five main sections that would be utilized on a day-to-day basis so those will be the primary focus of my comments. The first main section, The Many Platforms of Radio, is a discussion of various platforms being used today. These include analog medium wave radio, analog FM radio, shortwave radio (divided into Stations and Their Broadcasts Targeting North America in English, Non-English Language Broadcasts Targeting North America, The Voice of America, Canada on Shortwave and RNW – Radio Netherlands and Media Network Live Again!), SiriusXM Satellite Radio and Internet radio. The next main section is an interesting discussion of the “Big Six” which includes BBC Radio (United Kingdom), ABC Radio (Australia), CBC Radio (Canada), RTE Radio (Ireland), RNZ Radio (New Zealand) and NPR Radio (United States). In the author’s opinion – and I heartily agree with him – the Big Six are the best English language radio networks in the world representing the finest the medium has to offer in terms of organization, scope of service and craft of programs. The next major section in the Guide is the Consolidated Program Listing. This section would be considered by many radio listeners to be the principal highlight of the Guide with twenty-four hour listing of stations, in the various formats, being presented. It contains some 4,000 individual broadcasts that you can receive on your AM, FM, shortwave analog, digital, Sirius/XM, internet, WiFi or smartphone radio. The next section is the Classified Program Lists which classify programs into popular topic areas to

provide you with a handy cross-reference to the information in the Consolidated Program Listing. Within each classification, the programs are arranged alphabetically by program title. Then each listing shows the day of week and time of day in UTC that they are broadcast, and finally showing the Station/Network that carries the program. The 37 classified program listings make it easy to find programs by topic or subject area, such as: Arts, Culture & History; News and Documentary; Science & Technology; Current Affairs; Music; Sports, and more. The final major section is the Program Name & Descriptions which is an alphabetical listing of the programs appearing in the Guide accompanied by a brief description of each. In addition to being broadcast or streamed at the times and on the stations listed elsewhere in this Guide, nearly every one of these programs is made available for on-demand and podcast listening.

The Guide also includes editorial contributions from Richard Cuff (“Internet Radio: Just More! More! More!”) and Rob de Santos (“What Is The Future of Internet/Wifi Radio?”) returning with further perspectives on Wi-Fi radio developments. In addition a new contributor, Alan Roe, joins the party bringing more listening suggestions for with his excellent online “Music on Shortwave” inventory that has been incorporated into the Consolidated Program Listings section.

Published by Master Publishing, Inc. the Worldwide Listening Guide - 10<sup>th</sup> Edition is 168 pages of very useful information in a wire-bound format that enables the Guide to be opened flat in an easy-to-use manner. The new edition of the Guide is now available at your favorite places to buy radio related books. The 10<sup>th</sup> edition of the Worldwide Listening Guide can be purchased through Universal Radio for only \$29.95 plus shipping costs (Order #0110) or Amazon for \$29.95 (Amazon Prime customers don’t need

to pay additional shipping costs). The Guide is a very useful reference book that you will find yourself utilizing on a regular basis as you search for old favorite programs from the international shortwave broadcasting world as well as many new favorites.

I've always been a big fan of the Guide since its early days when it helped me identify shortwave stations by some of the programs carried during their transmissions. Since then it has become a permanent reference book in my radio shack alongside other useful references such as the World Radio TV Handbook. There is a surprising amount of worthwhile material packed into this handy, spiral-bound book. Although it is North

American-centered in content, the Guide is still of great value for non-US readers. It's a great publication and indispensable if you're interested in program content. I highly recommend it. Using the Guide will maximize your listening enjoyment of worldwide radio in all its forms whether listening to news, information, music or entertainment from around the broadcast world. The 10<sup>th</sup> edition of the Worldwide Listening Guide is a reference resource that should be sitting in your radio room next to your favorite piece(s) of listening gear (shortwave radio, Internet Radio, portable AM receiver, FM tuner, etc.) so you can hear what you want to hear as the listening world continues to evolve.

# The Robinson Report

Daniel Robinson • PO Box 3292 • Allentown, PA 18106 • [dxace1@gmail.com](mailto:dxace1@gmail.com)

## Shortwave Memories: QSLing is Very Much Alive

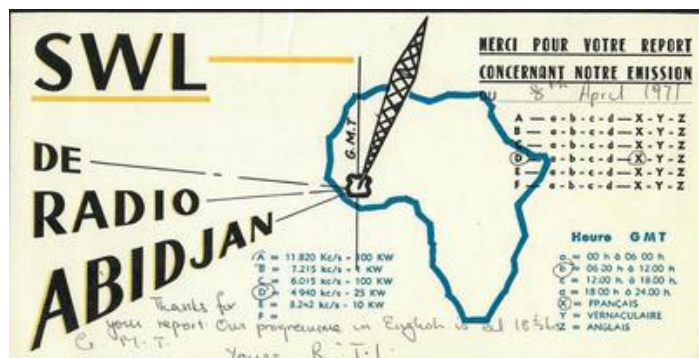
It's a memory still embedded permanently in my mind – a day in summer of 1971. Early in what for me would become a more than 50 year DXing hobby, waiting for the mailman had become an obsession.

Cold weather or warm, rain or snow, that friendly face coming up the driveway in Levittown, PA was a highlight of my day. On the best days, that mail sack contained the reward for hundreds of hours typing hundreds reception reports to stations around the world.

I heard them on a series of receivers, starting with a small Toshiba portable in my elementary school days, progressing to an Allied 2682 my father had bought for me, and later a HQ-180 and Drake SPR-4.

So, on this early summer day I ran out to head the mailman off. With a smile (he enjoyed delivering mail from exotic places) he handed me the first of many QSLs from stations in Africa that for so many of us were the most exotic of our listening careers.

This one was from Radio Abidjan. Even today, it's prized by collectors. It was one of the few QSLs that actually spoke from the



paper, declaring the recipient a “SWL of Radio Abidjan”. A handwritten note reminded about an English language program broadcast at 1830 GMT.

Two years later, another card arrived from Radio Clube do Lobito, in Angola, a primary DX target. Artistically on the top 10 list, it featured a jungle scene that had the effect of instantly transporting you to that faraway place.



I devote this first column of 2022 to QSLing because of recent discussions about this aspect of the hobby, including one on the World of Radio group which discussed realities that became more obvious over the years.

QSLing, as everyone knows, was always a courtesy extended to listeners by stations and their staffs. Decades ago, before the Internet and cell phones, reception reports were of value to technicians running shortwave stations.

Those days began rapidly disappearing as stations began ending use of shortwave as a transmission method. QSLs became even more of a favor for those of us who continued to listen. When programming went online, the whole point of sending a physical card or letter was further diminished.

Some of us who pursued careers in international broadcasting got the added

thrill of being verification signers ourselves. Before I began my reporting career for Voice of America, I actually signed QSLs in the basement of the VOA headquarters (anyone who finds one of these, please let me know).

Bill Whitacre, who came to run VOA's remote monitoring system, said in the recent discussion on Groups.io:

**“I had to reply to many reports when I worked at VOA. You may or may not be shocked to learn that a lot of reports are of extraordinarily low quality. ‘Male talk’ and ‘pop tune’ are NOT program details, for example...QSLing is nothing but a ‘courtesy.’ Your reception report to a station is of no real use. It may be ‘of interest’ but it buys them no more advertisers or government funding.”**

Veteran DX'er Bruce Churchill observed: “. . . **even in their heyday, QSLs often never verified anything. . . There was a time when some reports were of use to station engineers but paradoxically now that we have better report tools, the stations no longer care.”**

So, QSLing as so many of us knew it, is dead, right? But wait! As hunters of European and U.S. pirates, licensed low power stations, and some other stations know, QSLing is **NOT DEAD**. And SDRs have not killed QSLing, but in a way have led to a renaissance of sorts.

The operator of Radio Northern Europe International in comments on the World of Radio group:

**“When I decide who gets QSL cards, a lot is considered. Did they enjoy the show? Did they have useful comments? How far are they from the transmitter? If they're out of [the coverage area] why would I refuse? I've sent QSLs to Japan for a signal that barely made it to Russia because they**

stayed up until 4am and enjoyed the show.

**In this time QSL cards are almost a marketing tool than serve a practical purpose . . [but put simply] if you can receive it at your location I [don't care] if you use a web SDR [or] your own radio. It's still helpful to get the data if you use a KIWI SDR, and if you enjoy the show that outweighs everything!"**

One interesting development is the return of Self-Prepared QSLs. As pirate hunters know, some Europirates send out colorful, creative eQSLs. Others have none, and use plain text emails to verify reports.

In these cases, I often piece together completely new eQSLs for these operators, using photos they send of their transmitters, studio equipment, and antennas. They usually appreciate this effort, and this often leads them to create their own QSL cards.

Examples of QSLing being quite alive include colorful cards sent out by Radio Free Waves Bay, supposedly located in Russia, Anthony Radio in Poland, Star Trek-themed eQSLs

from Italian pirate Enterprise Radio, and beautiful QSLs sent out by a few U.S. Pirates, including Radio Genix, The Beginning, Recycle Radio, WBOG, ad Europirates Radio Pamela, Radio Jennifer and the Greek pirate Zeppelin Radio.

And how could we end any discussion, even a brief one, without mentioning the great contribution that LRA-36 Arcangel San Gabriel has made to QSLing with its glorious QSL certificates sent out to listeners around the world?



So, as we begin 2022, QSLing – in the form it exists decades after many of us started in the hobby – is very much alive!

## Listener's Notebook

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

Times are UTC and frequencies in kHz.

**ABHAZIA** Abkhaz Radio/Apsua Radio relay Avtoradio in Abkhazian & Russian via Sukhumi, December 20:

from 0545 on 9535 SUK 005 kW Abkhazian and off air at 0547

from 0800 on 9535 SUK 005 kW Russian and off air at 0805 (DX Mix-Bulgaria)

**ALASKA** Reception of KNLS The New Life Station in Russian on new 9550 kHz via Anchor Point, December 20:

1500-1600 on 9550 Russian tx#2, ex 9465 (DX Mix-Bulgaria)

**ARMENIA** Trans World Radio TWR India in English via CJSC Yerevan, December 15:

1440-1510 on 9965 English Mon-Fri (DX Mix-Bulgaria)

**AUSTRALIA** Reception of Reach Beyond Australia in Rohingya via Kununurra, December 8:  
1125-1140 on 11865 Rohingya Daily (DX Mix-Bulgaria)

Reception of Reach Beyond Australia in Dzongkha via Kununurra, December 8:  
1128-1143 on 11825 Dzongkha Tu-Th/Sa/Su (DX Mix-Bulgaria)

Reception of Reach Beyond Australia in Hindi/English via Kununurra, December 8:  
1330-1400 on 11945 Hindi/English Daily (DX Mix-Bulgaria)

Reception of Reach Beyond Australia in Japanese via Kununurra, December 18:  
1055-1100 on 11905 Reach Beyond Australia Interval Signal & English ann  
1100-1130 on 11905 Japanese Sat/Sun (DX Mix-Bulgaria)

**BANGLADESH** External Service of Bangladesh Betar in English via Shavar, December 8:  
1230-1300 on 4750 English (DX Mix-Bulgaria)

External Sce of Bangladesh Betar in Nepali via Shavar, December 7:  
1315-1345 on 4750 Nepali (DX Mix-Bulgaria)

4750, Bangladesh Betar Ext. service, reception report verified with beautiful f/d card and letter from Md. Towshidur Rahaman Sr. Engineer. Second copy received via email in 10 days. Email: [rec@dhaka.net](mailto:rec@dhaka.net). (Pradip Chandra Kundu-India/Asian DX Review)

**BOLIVIA** 5952, Emissoras Pio XII(P), Siglo Veinte; 18/12, 2255-2301 male Spanish conversation; het, poor, unreadable. Seems they fixed the transmitter problems. (Lucio Bobrowiec-Brazil/Hard Core DX)

**BOTSWANA** 15715, Voice of America, via Selebi Phikwe, E-QSL in 25 days. Report in

English sent to: [gsl@usagm.gov](mailto:gsl@usagm.gov). (Christian Ghibaudo-France/DX Fanzine)

**BRAZIL** New SW station Radio Saturno on 6150 Bryan Clark in New Zealand writes: Since 31 October I have been trying to identify a new station on 6150 in Portuguese, with weak but clear reception in New Zealand peaking around 0630 to 0900. Time checks for UTC - 3 pointed to Brazil. I asked some Brazilian DXers for help and they were able to confirm the station is Radio Saturno in Belo Horizonte. Saturno's Facebook page proudly proclaims they broadcast on 92.3 FM and 6150 shortwave. So a reception report with audio file was duly dispatched. Saturno's overnight response (translated) - "Greetings friend Bryan, Radio Saturno is very happy with your report and confirms its reception at 6,150. Soon we will send you an electronic QSL, hugs!" (Bryan Clark via WOR 3 Nov)

4925, Dec 8, 2234, Radio Educação Rural, Tefé AM. Tks, most probably the natl. nx magazine A Voz do Brasil. 15431. (Carlos Gonçalves-Portugal/Shortwave Bulletin)

6150, Dec 6, 0440, Radio Saturno, Belo Horizonte, pop songs. (Mendéz-Spain/Shortwave Bulletin)

9819.3, Dec 8, 2232, Radio 9 de Julho, São Paulo SP. Tks, probably px Desporto 9. 15431. (Carlos Gonçalves-Portugal/Shortwave Bulletin)

11815, Dec 6, 2211, Radio Brasil Central, Goiânia GO. Songs. 25421. (Carlos Gonçalves-Portugal/Shortwave Bulletin)

**CHINA** Winter B-21 frequency changes of China Radio International:  
0200-0227 NF 11740 XIA Pashto, ex 11840  
0600-0657 on 11925 NNN English, additional  
0900-0957 on 9880 NNN Chinese, additional  
1130-1157 NF 5985 BEI Filipino, ex 5910  
1130-1157 on 7410 NNN Filipino, additional

1130-1157 on 12070 NNN Filipino, additional  
1200-1227 on 9720 NNN Filipino, additional  
1200-1257 on 9620 BEI Vietnamese, additional  
1300-1357 NF 7385 KUN Burmese, ex 7400  
1300-1357 on 9730 NNN English, additional  
1400-1457 NF 7355 XIA Japanese, ex 7395  
1400-1457 on 7445 KUN Burmese, ex 7400  
1430-1457 on 7325 NNN Filipino, additional  
1430-1457 on 11640 NNN Filipino, additional  
1500-1557 NF 6100 BEI Chinese, ex 5910  
1600-1657 NF 7410 KUN Hindi, ex 7395  
1800-1857 NF 7240 BEI English, ex 7405  
Winter B-21 schedule of CNR-1 Voice of China in DRM mode:

2030-1800 on 6030 BEI Chinese  
0100-0900 on 13825 BEI Chinese  
0100-0900 on 11695 DOF Chinese  
0100-0900 on 17770 DOF Chinese  
0100-0400 on 15180 KUN Chinese  
0400-0800 on 17800 KUN Chinese  
0800-1100 on 15180 KUN Chinese  
0100-0300 on 11995 KUN Chinese  
0100-0500 on 12030 KUN Chinese  
0300-0500 on 13715 KUN Chinese  
0500-0700 on 17815 KUN Chinese  
0500-0900 on 15415 KUN Chinese  
0700-0900 on 13715 KUN Chinese  
0100-0800 on 17830 URU Chinese  
0800-1200 on 9655 URU Chinese  
2200-0100 on 9655 URU Chinese  
0000-0400 on 13850 QIQ Chinese  
0400-0900 on 11990 QIQ Chinese  
0900-1200 on 13710 QIQ Chinese (DX Mix-Bulgaria)

4940, on Dec 1 noted this: 0940-0945: Test tone (// 4900). 0945-0955: Open carrier (// 4900). 0955: Start of IS (// 4900). 0956: Not // 1000: Time pips; intro ID, including "This is the Voice of Taiwan Strait News Radio." Will be interesting to know just how often this ID is being used? (Ron Howard-CA)

**CLANDESTINE** Radio NUG (The Voice of National Unity Government of Myanmar For Myanmar Spring Revolution), a clandestine station based in Oakland CA against the

military regime in Myanmar, has issued the eQSL to the shortwave listeners. The procedure is as follows: 1) send reception report to their E-mail address [RadioNUG@mocitmyanmar.org](mailto:RadioNUG@mocitmyanmar.org). 2) after about 1 day, Google Form is sent by them. 3) fill the form - mail address, date, time, frequency, reception details, receiver, antenna, remarks(condition, interference), name, detailed address, audio recording file - and send it back, note attaching the sample audio recording file in mp3 format is required. 4) eQSL in pdf format is promptly sent. (Takahito Akabayashi-Japan/TopNews)

Sae Nala Bangsong (New Country Broadcasting), is a religious radio station presented by Sons and Daughters Company, of South Korea. The CEO and founder is Matthew Bahng. The company creates and delivers hopeful messages packed with new sounds to attract all demographics of North Koreans. They know for a fact that their programs are already making an impact in people's lives in North Korea and this is one project that will continue and will not stop until they become one as a nation. Sons & Daughters Company aims to arouse the interest of North Koreans and people around the world by delivering messages through creative and modern content. Little by little, they are seeing results. They are confident that this project will have a positive impact on youth in North Korea and around the world. (Ron Howard-CA/Shortwave Bulletin)

New clandestine broadcast via Talata Volonondry effective from December 25:  
1800-1900 on 11690 Tigrinya, instead from previous planned date December 15 (DX Mix-Bulgaria)

Winter B-21 shortwave schedule of clandestine broadcasts:  
Afghanistan International (Volant Media UK)  
0300-1300 on 7600vTAC Pashto  
1300-0300 on 7600 ERV Pashto (TopNews)

BRB Denge Welat

0600-1300 on 11530 KCH Kurdish  
1300-1500 on 11530 KCH Kurdish (TopNews)  
from 1500 on 11530 ISS Kurdish  
from 1600 on 9525 Kurdish  
1600-2200 on 9525 ISS Kurdish (DX Mix-Bulgaria)

Iran International (Volant Media UK)

0430-1330 on 15630vTAC Farsi  
1330-0430 on 5830vTAC Farsi (TopNews)

Radio NUG The Voice of National Unity

Government of Myanmar, December 15:  
1330-1359 on 11965 PAO Burmese Daily (DX Mix-Bulgaria)

New unknown clandestine to Myanmar via

ENC-DMS Dhabbayya, December 20:  
1200-1300 on 17730 DHA Burmese Daily (DX Mix-Bulgaria)

Radio Dap Loi Song Nui/Vietnam Democracy

Radio via Paochung, December 19:  
1230-1258 on 9670 PAO Vietnamese (DX Mix-Bulgaria)

Reception of Dimtse Woyane Tigray via TDF

Issoudun, November 30:  
1500-1600 on 15160 Tigrinya (DX Mix-Bulgaria)

OPM Raadiyyoni Dirree Shaggar via TDF

Issoudun on December 21;  
1600-1630 on 15330 Afan Oromo (DX Mix-Bulgaria)

Radio Ndarason Int again via Woofferton:

0500-0600 on 7425 Kanuri RNI, ex SCB eff.  
from December 3  
0600-0629 on 7265 French BBC, ex SCB  
eff. from December 3  
1800-1830 on 7295 French BBC, ex SCB  
eff. from December 3 (DX Mix-Bulgaria)

National Unity Radio / Radio Free Chosun via

Tamsui, December 13:  
1100-1258 on 6115 Korean (DX Mix-Bulgaria)

Frequency changes of JSR Shiokaze/Sea Breeze from December 1:

1300-1400 NF 5930 YAM various languages, ex 7250

1300-1400 NF 7310 YAM various languages, ex 7335

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

1330-1400 Korean Thu-Sun; Japanese Mon/Tue and English Wed.

1600-1700 NF 5990 YAM various languages, ex 6020

1600-1700 NF 7285 YAM various languages, ex 6135

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

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

Frequency changes of Furusato no Kaze via Shiokaze from December 1:

1405-1435 NF 6045 YAM Daily Japanese, ex 6070

1405-1435 NF 6095 YAM Daily Japanese, ex 7280 (DX Mix-Bulgaria)

Additional new frequency of Nippon no Kaze & Furusato no Kaze via ENC-DMS Kranji:

1300-1400 NF 15480 Korean/Japanese, ex 15370 BOTH INACTIVE AT PRESENT

1430-1630 NF 15480 Japanese/Korean, ex 15370 BOTH INACTIVE AT PRESENT (DX Mix-Bulgaria)

North Korea Reform Radio via RRTM Telecom Tashkent, December 15:

1400-1500 on 7590 Korean (DX Mix-Bulgaria)

Reception of Voice of Martyrs via RRTM Telecom Tashkent, December 22:

1200-1230 on 9930 Korean Daily (DX Mix-Bulgaria)

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

1300-1400 on 9910 Korean (DX Mix-Bulgaria)

11530, Radio Denge Welet. Report verified with f/d eQSL received in 2 weeks. Email: [prtc@idknet.com](mailto:prtc@idknet.com). (Pradip Chandra Kundu-India/Asian DX Review)

12000, Radio NUG verified an English language report with an E-QSL in 1day for reports to MGLOBAL [gsl@mglob.org](mailto:gsl@mglob.org). and Radio NUG [RadioNUG@mocitmyanmar.org](mailto:RadioNUG@mocitmyanmar.org). (Shin'ichi Suzuki-Japan/Japan Shortwave Club)

**CUBA** 4765, Dec 6, 0447, Radio Progreso, Bejucucal, Cuban and other Latin American songs, ID. "Radio Progreso les ha ofrecido su programación del día de hoy...", anthem and close. (Mendéz-Spain/Shortwave Bulletin)

5025, Radio Rebelde verified with an E-QSL in 1day for a Spanish language report to [web.radiorebelde@icrt.cu](mailto:web.radiorebelde@icrt.cu). (Kazuaki Oikawa - Japan/Japan Shortwave Club)

**DENMARK** 5930, World Music Radio, F/D QSL card, in 45 days for e-report and donation to the following e-mail address: [shn@wmr.dk](mailto:shn@wmr.dk). (Jürgen Waga-Germany/DX Fanzine)

**EGYPT** Radio Cairo has made a surprise return to shortwave!! The station sent Peter Jones an email on 10 November simply saying "Hello.. try our frequency on short wave 9900 khz. Thank you" On 11 November a carrier was observed on 9900 between 2115-2230 when English is scheduled. On 12 November the English service was confirmed, audible albeit with poor, distorted modulation. Other services that have been confirmed are Albanian from 1500-1600 on 9440, 1800-1900 Italian on 9900 Email, [englisheuropeservice@gmail.com](mailto:englisheuropeservice@gmail.com) Peter adds on 16 November: I've been bombarding Cairo with an SDR recording each day [of the poor SW audio], and recently suggesting the bring back the livestream. This is the reply: "Hello and thank you for your feedback.. unfortunately the live-streaming won't be

back for a while.. because an app might be available instead.. we'll get you posted with the latest updates" I'm not expecting any improvement. (Peter Jones 16 November/British DX Club)

Winter B-21 shortwave schedule of Radio Cairo:

1500-1600 on 9440.0 ABS Albanian  
1700-1900 on 9940.0 ABS Turkish, inactive  
1800-1900 on 9899.6vABS Italian, distorted  
1900-2000 on 9510.0 ABS Russian, inactive  
1900-2000 on 9809.6vABS German, very rarely  
2000-2115 on 9885.0 ABS French, inactive  
2115-2245 on 9899.6vABS English, distorted  
2215-2330 on 9545.0 ABS Portuguese, pls check  
2330-0045 on 9730.0 ABS Arabic, please check  
0045-0200 on 9900.0 ABS Spanish, please check. Many of these frequencies have technical problems such as extreme distortion and low modulation or under-modulation. (DX Mix-Bulgaria)

A huge amount of interest in Radio Cairo's return from our group members. I had a look at the "broadcast.be" Website to get information about Radio Cairo's transmitters:. At Abis, there are:

1 x 500kW Marconi from year 1996  
4 x 250kW Thomcast from year 1970s  
4 x 250kW Brown Boveri from 1970s. I suspect that only one or two of these is in operational condition. The engineering staff of Egyptian radio do not seem to be very competent. But we do not know the whole story. There may be problems in obtaining funding to maintain the technical facilities to a better condition. Certainly with the transmitters at Abis being off air for the past few years, they are likely to need some repairs. (Alan Holder-UK G4ZBH, BrDXC/TopNews3)

Radio Cairo in English Abis on December 5:

2115-2245 on 9899.6v English. Good signal & distorted audio (DX Mix-Bulgaria)

**ENGLAND** Reception of HCJB Radio Akhbar Mufriha via ENC-DMS Ascension on December 5:

2100-2115 on 7300 Tachelhit (DX Mix-Bulgaria)

**ESWATINI** Very good signal of Trans World Radio Africa in Somali via Manzini, December 9:

1500-1530 on 11780 Somali Daily and 1530-1545 Sun (DX Mix-Bulgaria)

Reception of Trans World Radio Africa in Juba Arabic and Kirundi via Manzini, December 9:

1530-1545 on 13580 Juba Arabic Mon-Fri  
1557-1627 on 13580 Kirundi Mon-Fri and  
1557-1612 Sun (DX Mix-Bulgaria)

Reception of Trans World Radio Africa in Afan Oromo, Swahili and Arabic via Manzini, December 9:

1630-1700 on 11660 Afan Oromo Wed/Thu.  
1745-1815 on 9380 Swahili Mon-Fri  
1802-1902 on 13810 Arabic Mon-Fri (DX Mix-Bulgaria)

**FRANCE** Winter B-21 of TDA Telediffusion d'Algerie via TDF Issoudun:

0400-0459 on 6060 Arabic\*Holy Qur'an program  
0500-0559 on 6060 Arabic\*Holy Qur'an program  
0500-0559 on 6105 Arabic\*Holy Qur'an program  
0600-0659 on 6105 Arabic Holy Qur'an program  
1800-1859 on 7375 Arabic Holy Qur'an program  
1900-1959 on 7315 Arabic Holy Qur'an program  
1900-1959 on 7375 Arabic Holy Qur'an program  
2000-2059 on 5940 Arabic Holy Qur'an program

2000-2059 on 6140 Arabic Holy Qur'an program

2100-2159 on 5940 Arabic Holy Qur'an program

2100-2159 on 6040 Arabic Holy Qur'an program

2200-2259 on 6040 Arabic Holy Qur'an program

\* including French nx bulletin 0450-0458 & 0500-0513, please check other (DX Mix-Bulgaria)

Transmitter change of Deutsche Welle, December 3:

1400-1430 on 15230 ISS Dari, ex NAU

1430-1500 on 15230 ISS Pashto, ex NAU (DX Mix-Bulgaria)

Reception of Deutsche Welle in Dari/Pashto via MBR Issoudun, December 6:

1400-1500 on 15230 Dari/Pashto, ex NAU (DX Mix-Bulgaria)

**GERMANY** While Deutsche Welle officially stopped QSL-ing, I now received a printed QSL card for a report e-mailed them on 14 September 2021. (Harald Kuhl-Germany DL1AX/DXplorer (Dec 7)

Fair/good signal of Voice of The Andes via MBR Nauen, December 18:

1529-1629 on 9500 Russian/Chechen Sat (DX Mix-Bulgaria)

Reception of Bible Voice Broadcasting via MBR Nauen, December 11:

1430-1500 on 11900 English Sat (DX Mix-Bulgaria)

Good/fair signal of Voice of The Andes via MBR Nauen, December 11:

1529-1629 on 9500 Russian/Chechen Sat (DX Mix-Bulgaria)

Deutscher Wetterdienst DWD via Pinneberg, December 13:

0600-0630 on 5905 German

0600-0630 on 6180 German (DX Mix-Bulgaria)

15230, DW/Deutsche Welle (Nauen), Dari programme, QSL received in 20 days for report sent in English to [info@dw.com](mailto:info@dw.com) (a surprise). (Jacques Augustin/France/British DX Club) DW supposedly stopped QSLing. (RAD)

**GUAM** Reception of KTWR Trans World Radio Asia in English via Agana, December 14: 1245-1300 on 11590 English Sun-Wed (DX Mix-Bulgaria)

Trans World Radio India in Kazakh via KTWR Agana on December 10: 1428-1430 on 9900 Trans World Radio India Interval Signal 1430-1445 on 9900 Kazakh (DX Mix-Bulgaria)

11870, KSDA – AWR Guam via Agat, Guam in Ilocano language. Reception report sent with audio files and f/d eQSL received after 4 days for my email report to: [qsl@awr.org](mailto:qsl@awr.org). (Babul Gupta-India/Asian DX Review)

15200, KTWR verified with a card in 44days for an English language report to [asiafeedback@twr.org](mailto:asiafeedback@twr.org) from v/s Elizabeth Sabin, Asia Broadcast Monitoring Department. (Hirokazu Mitsumoto-Japan/Japan Shortwave Club)

**INDIA** All India Radio External Service in Pashto via Bengaluru, December 3: 1430-1545 on 11560 Pashto (DX Mix-Bulgaria)

All India Radio External Service in Farsi and Arabic via Bengaluru, December 3: 1615-1730 on 9620 Farsi 1730-1930 on 9620 Arabic (DX Mix-Bulgaria)

All India Radio External Service in Dari and Pashto via Bengaluru, December 9: 1330-1430 on 11560 Dari

1430-1545 on 11560 Pashto (DX Mix-Bulgaria)

Unscheduled All India Radio in Hindi/English via Bengaluru, December 22: 1322-1330 on 11560 Hindi/English (DX Mix-Bulgaria)

AIR External Services extended from today? Hearing Pashto Service just now on 9950 and 11620 which was off at this time for many months. Sked is 1430-1545. Look out for some other Services also which were scheduled but off air till now. (Jose Jacob-India/DX India).

AIR External Services extended from today 1 Dec 2021. All services that were off air except Russian, Sinhala & Thai resumed from today.. The restarted ones are Dari 0745-0830 11560, Pashto 1430-1545 9950 11620, 1430-1545, Farsi 1615-1730 9620, Arabic 1730-1930 9620. (Jose Jacob-India/DX India)

Broadcasts of AIR External services in English and many Indian languages like Hindi Tamil Malayalam Telugu Kannada were dropped - since 24 March 2020. I don't think that they will come back now. (Jose Jacob-India VU2JOS, DXindia Dec 1/Australian DX News)

5040, AIR Jeypore, from 1142 to past 1305, on Dec 19. Happy to report that the xmtr has been fixed; for quite some time the carrier had been heard at a decent level, but almost no modulation (very faint audio); today back to normal audio level. Dec 20 - On 4950.0, AIR Srinagar, \*0122 -0215\*. Today with the usual program format, but mostly unusable after 0200. (Ron Howard-CA/DX India)

9445, All India Radio, English programme. QSL received in 19 months for report to webform at <https://feedback.prasarbharati.org/>. (Peter Jones -UK/British DX Club)

**INDIA (Kashmir)** 4950, AIR Srinagar, on Dec 16, \*0120-0214\*. The usual, consistent format; the most distinctive details are 0125-0140, presumed the news, 0140-0143: reciting from the Qur'an, 0145-0150, indigenous/ Islamic solo chanting/singing (no music), 0155-0200, subcontinent music/singing. Dec 17, heard \*0127\*, suddenly on for about ten seconds, then \*0128 came back on to stay till 0218\*; again with the same format. My local sunset at 0053 and Srinagar sunrise at 0200. Always a pleasure to hear this during the winter DX season. Am able to daily hear a carrier during my mornings, but extremely rare to actually hear any audio at that time. (Ron Howard-CA/DX India)

4950, All India Radio-Srinagar verified with card in 198days for an English language report <https://feedback.prasarbharati.org/ReceptionReport.aspx>. (SakaeOnozawa-Japan/Japan Shortwave Club)

**IRAN** Very good signal of VIRI IRIB / PARS TODAY in Arabic on wrong freq via Zahedan, December 23: 1030-1430 on 9130 Arabic instead of registered 9530 (DX Mix-Bulgaria)

**JAPAN** Reception of NHK World Radio Japan in Russian via Yamata, December 8: 1055-1100 on 5985 NHK World Radio Japan Interval Signal and 1100-1130 on 5985 Russian (DX Mix-Bulgaria)

**KOREA (South)** 9640, KBS World Radio (Kimjae) at 1624 in English, female host, program of Korean popular music. - Fair //9515 was poor, Dec. 18. (Harold Sellers-BC/DXplorer)

**MADAGASCAR** MWV African Pathways Radio in English via Mahajanga, December 11:

1800-1900 on 13670 English tx#3 (DX Mix-Bulgaria)

MWV African Pathways Radio in English via Mahajanga, December 11: 2000-2100 on 11965 English tx#3 (DX Mix-Bulgaria)

11965, Received a QSL card for listening to African Pathways in English via MWV Madagascar World Voice. The report was sent to [mwvradio@gmail.com](mailto:mwvradio@gmail.com). The answer came in 166 days. (Evgeny Kornikhin-Russia "deneb-radio-dx" via Anatoly Klepov-Russia RUSdx #1161 via wwdxc BC-DX TopNews)

**MOLDOVA** FEBA Radio Pakistan in Pashto via TWR India via Grigoriopol on December 15: 1500-1545 on 7590 KCH Pashto Daily (DX Mix-Bulgaria)

Interesting E-qsl, a Pashto language Christian religious program heard on 7590 at 1500-1545 via Kishinev-Grigoriopol {Radioteletsentr (PRTC)} is mentioned as broadcast from FEBA Radio (Pakistan) in at least two well-known sites but my reception report verified from transmitter site with this E-qsl shows it was station IBRA. (Pradip Kundu-India via Anatoly Klepov-Russia, RUSdx #1161 via wwdxc BC-DX TopNews)

**MONGOLIA** Winter B-21 schedule of Voice of Mongolia:

0900-0930 on 12085vU-B English  
0930-1000 on 12085vU-B Mongolian  
1000-1030 on 12085vU-B Chinese  
1030-1100 on 12085vU-B Japanese  
1400-1430 on 12015vU-B Mongolian  
1430-1500 on 12015vU-B Chinese  
1500-1530 on 12015vU-B Japanese  
1530-1600 on 12015vU-B English  
12085v=12084.85 and 12015v=12014.85 (DX Mix-Bulgaria)

**NETHERLANDS** The new national DAB+ station, Sunlite, which was launched on November 9th 2021 with a soft AC format,

today at 1400 began broadcasting on 5955 from Westdorpe in Zeeland, near the border with Belgium. Sunlite is using a temporary 75 Watts transmitter 24 hours a day for the next two weeks and then Sunlite is expected to switch on a brand new 400 Watts transmitter, which will be on the air daily at 06-18 only. But for the next two weeks DXers have the chance of catching Sunlite during the night on 5955. Correct reports will be verified with an eQSL. Reports should go to: [qsl@sunlite.nl](mailto:qsl@sunlite.nl). Sunlite is owned and operated by RadioCorp, which also runs 100% NL and SLAM! (Stig Hartvig Nielsen-Denmark/Hard Core DX) 5955, received this morning (Dec 8) E-QSL Letter from the newest European Station, Sunlite. Location is in the Village of Overslag near the Belgian Town of Zelzate. This station is currently running with 75 watts power currently on 5955. The antenna is a Inverted V mounted at 30 meters on a 100 meter tower, with a 1:1 RF Choke on the system. A very informative Information letter stating their goals and future plans. The V/S is Herbert Visser. Address for reports too: [qsl@sunlite.nl](mailto:qsl@sunlite.nl). (Ed Kuslaik-AB/DXplorer) Sunlite to launch on 5 December on 5955. Albert Ford writes: Following my recent reception report to Superclan Radio, Herbert Visser told me that Superclan's studio's were "based in de legendary Hofstede in Naarden (just outside Amsterdam), the former home of Radio Northsea International in the early 1970's" and "Also, as of 5 December we'll have our own shortwave radiostation coming from this building on 5955 each day. It'll be called Sunlite". 21 HFCC registered schedule for Sunlite is: 0500-1800 Daily and 1800-0400 Friday on 5955. (British DX Club)

Radio Onda new transmitter for 9520. Radio Onda plan to start testing 9520 next week: "The new transmitter has arrive!! From 9200 to 9900 with ~500 watts. I will start to test in on site next Monday on 9520." (OndaShortwave on F\_B, BrDXC-UK groups.io 4 Nov) Radio Onda, Belgium broadcasts from

Borculo in the east of the Netherlands with mainly Brazilian music. Current frequency 6140. (registered on HFCC B21 24hrs on both 6140 and 9520, though to date has been mostly just weekends, daytime via Alan Pennington-UK Nov 5/Worldwide DX Club)

**NEW ZEALAND** Frequency changes of Radio New Zealand Pacific in AM/DRM mode:

AM mode Daily

2059-2358 NF 13840 RAN English, ex 15720

AM mode Saturday

1959-2058 NF 13840 RAN English, ex 11725

DRM mode Sun-Fri

1651-1835 NF 9780 RAN English, ex 7330

1959-2058 NF 13840 RAN English, ex 15720 (DX Mix-Bulgaria)

11725, Radio New Zealand Pacific, F/D E-QSL, in 3 days for report on their website. (Jürgen Waga-Germany/DX Fanzine) 11725, RNZ Pacific via Rangitaiki, detailed online-QSL received in 13 days from Adrian Sainsbury (Frequency Manager) for report via website. (Hansjoerg Biener-Germany/Worldwide DX Club)

**NORTHERN MARIANA ISLANDS** 11985, Radio Free Asia, via Saipan, F/D QSL card, in 70 days for ereport to the following e-mail address: [qsl@rfa.org](mailto:qsl@rfa.org). (Jürgen Waga-Germany/DX Fanzine)

15195, Radio Free Asia, via Tinian, QSL in 62 days. Report in English sent to: [qsl@rfa.org](mailto:qsl@rfa.org). (Christian Ghibaud-France/DX Fanzine)

**OMAN** Additional frequency of BBC via ENC-DMS A'Seela:

0100-0200 on 5945 SLA Pashto/Dari; parallel freq. 5930 MOS; 6195 SLA; 7445 WOF (DX Mix-Bulgaria)

**PALAU** T8WH Angel 4 Medorn

0800-0935 on 15680 HBN English Hope Radio Sa

0110-0220 on 15680 HBN English Hope Radio Su

0810-0920 on 15680 HBN English Hope Radio Su  
T8WH Angel 5 Medorn  
0800-0835 on 9965 HBN English Hope Radio Mo-Fr  
0800-0935 on 9965 HBN English Hope Radio Sa  
0810-1105 on 9965 HBN English Hope Radio Su (Worldwide DX Club)

15680, Hope Radio – T8WH via Medorn, Palau in English. Reception report submitted with audio files and after 3 days I received f/d eQSL card for my email report to: [contact@hoperadio.net](mailto:contact@hoperadio.net) V/s Breana Lash (Sales Coordinator). (Babul Gupta-India/Asian DX Review)

**PERU** 4775.1, Dec 7, 2253, Radio Tarma, Tarma. Cast, songs, short prayer, ID & fqs. ann., Antena Deportiva. 35433. (Carlos Gonçalves-Portugal/Shortwave Bulletin)

**PHILIPPINES** Reception of Vatican Radio via USAGM Tinang on December 4:  
1230-1310 on 7485 Chinese Mass Sat  
1230-1310 on 9720 Chinese Mass Sat (DX Mix-Bulgaria)

FEBC Radio Teos via Bocaue, December 12:  
1500-1300 on 9920 Russian Sun  
1530-1545 on 9920 Ukrainian Sun  
1545-1600 on 9920 Russian Sun. Again wrong time and frequency announcement  
1900-2000MST on 11650,  
instead 1800-1900MST on 9920. (DX Mix-Bulgaria)

9920, FEBC (Radio Teos) verified with an E-QSL in 2days for an English language report to FEBC Russian Ministries, [russia@febc.org](mailto:russia@febc.org) and FEBC [info@febc.ph](mailto:info@febc.ph) from v/s Norita P. Estabillo, Shortwave Operation, Program Support Supervisor. (Shin'ichi Suzuki-Japan/Japan Shortwave Club)

**SAUDI ARABIA** BSKSA Radio Saudi International in Bengali via Riyadh, December 7:  
0900-1200 on 15120 Bengali (DX Mix-Bulgaria)

**SOLOMON ISLANDS** 5020 and 9545, both silent through 1109, Nov 25. For much of Nov, SIBC has been silent. Currently they are having riots in the capital, Horiara. Australia has pledged to send soldiers and police officers to help control the unrest. (Ron Howard-CA/Australian DX News)

**SRI LANKA** SLBC heard the last two Fridays on 11750 from 1630-1830 to Middle East in Sinhala, Tamil, English & Hindi. By the way they call listeners in the live programme and I was also called last week and they interviewed me! Their director was also present the last two weeks, although it is 10 pm to Midnight local time so it must be a very important transmission for them. They identify as City FM / SLBC / Radio Ceylon. Transmission on other days is irregular 1700-1800/1830. (Jose Jacob 21 November via Tony Rogers-UK/British DX Club)

**SUDAN** Voice of Africa, the external service from Sudan Radio, has been observed recently on 7205 rather than 9505, with programming observed around the following times: 1630-1730 French 1730-1830 English 1830-1930 Hausa (NB: the start and end of time of each language is highly variable) In the past Sudan Radio switched to 9505 kHz for its external service with the domestic service in Arabic on 7205 before and after this. Reception on 7205 is difficult in the UK but is fair using SDRs in Kenya and the Middle East. (Observations by Dave Kenny-UK 14-25 November/British DX Club)

7205, Dec 5, 1603, Radio Sudan, Al Aitahab, Arabic, comments, at 1630 French, ID "La Radio Nationale de Sudan", "La Voix de L'Afrique", news and comments in French, at 1730 English, "The Voice of Africa from Radio

Sudan, the forum of all Africans". (Mendéz-Spain/Shortwave Bulletin)

**TAIWAN** Frequency change of Radio Taiwan International RTI:  
1600-1700 NF 6100 TSH English, ex 9405 (DX Mix-Bulgaria)

6100, Radio Taiwan International (Tamsui District) at 1602 in English with discussion on nuclear power in Taiwan. Good strength, but QRM from co-channel KCBS North Korea, Dec. 18. (Harold Sellers-BC/DXplorer)

**TAJIKISTAN** Reception of Voice of Tajik in English via Dushanbe, December 8:  
1300-1400 on 7245 English (DX Mix-Bulgaria)

**THAILAND** Winter B-21 shortwave schedule of HSK9 Radio Thailand World Service:  
0000-0030 on 13750 UDO English  
0030-0100 on 13750 UDO Thai  
0200-0230 on 13750 UDO English  
0500-0530 on 17640 UDO English  
1000-1030 on 17630 UDO Thai  
1200-1230 on 9940 UDO English  
1230-1245 on 9940 UDO Vietnamese  
1245-1300 on 9940 UDO Chinese  
1300-1315 on 9940 UDO Japanese  
1315-1330 on 9940 UDO Bahasa Malay  
1330-1415 on 9940 UDO Thai  
1800-1830 on 7475 UDO Thai  
1830-1930 on 7475 UDO English  
1930-1945 on 7475 UDO Thai (DX Mix-Bulgaria)

**TURKEY** At the beginning of Oct 2021, more than four weeks before the start of B-21 season, five TRT language sections were closed and their websites were deleted: Portuguese, Japanese, Malay, Hausa, Swahili. The gaps in the program schedule are now filled with mx. The former Portuguese and Japanese services had been broadcasting only via Satellite or Internet. Malay, Hausa and Swahili had been

broadcasting also via shortwave. (British DX Club)

9870, Voice of Turkey via Emirler, reception report sent on July 2021 and f/d QSL card received after 4 months for my email report to: [tsr@trt.net.tr](mailto:tsr@trt.net.tr). (Babul Gupta-India/Asian DX Review)

**UNITED ARAB EMIRATES** Reception of FEBA Radio in Tibetan via ENC-DMS Al-Dhabbayya, December 12:  
1200-1230 on 15215 Tibetan Sun-Tue (DX Mix-Bulgaria)

**UZBEKISTAN** New time and frequency of Sae Nala New Country Broadcast via RRTM Telecom Tashkent:  
1730-1800 on 5925 Korean Tue/Thu/Sun, ex 1600-1630 on 9585 in A-21 (DX Mix-Bulgaria)

**VATICAN** Vatican Radio from USAGM Tinian and USAGM Tinang, December 15:  
1230-1250 on 7420 TIN Russian  
1230-1250 on 9810 PHT Russian (DX Mix-Bulgaria)

**ZAMBIA** 9680, Voice of Hope-Africa via Lusaka, Zambia, logged this station on 2nd October 2021 report submitted with audio files and f/d beautiful QSL card arrived just after 1 month for my email report to: [reports@voiceofhope.com](mailto:reports@voiceofhope.com) V/s Ray Robinson. (Babul Gupta-India/Asian DX Review)

**ZANZIBAR** ZBC Radio heard again on 6015 at 0330, on 28 November. Came on with an extremely weak signal; very slowly improved; at 0340, the usual brief chanting, making for a positive Zanzibar ID. In light of today's decent Zambia reception [on 5915], I would have expected this to be much stronger than it was. Are they back now at a reduced power? (Ron Howard-CA/British DX Club)

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)

Welcome to the first edition of the Pirate Radio Report for 2022! I hope that everyone had an enjoyable holiday season and were able to enjoy listening to the "funny-bands" on your new radios! There was definitely enough pirate activity in the run-up to Christmas weekend to keep everyone happy!



ION Radio ran a couple shows featuring Christmas music selections along with vintage P.S.A advertisements from Hollywood stars. Captain Morgan Shortwave was also active with a Christmas show. Many unidentified stations took to the air with some short, and some long shows with Christmas-themed programming.

Were you fortunate enough this Christmas to find a new, perhaps your first, radio under the tree? If so, then the next feature should help you get the most out of your pirate listening experience.

In the June 2021 edition of the Pirate Radio Report, Chris Lobdell highlighted a few of the on-line resources available to the pirate radio listener. If you are new to the

shortwave hobby, or a veteran listener beginning to take an interest in pirate radio, then these resources are invaluable to get the most from your pirate listening experience!

*Pirate Radio Report, June 2021. Courtesy of Chris Lobdell:*

The Free Radio Network ([www.frn.net](http://www.frn.net)) was the first one to appear back in the mid 1980's as a dialup bulletin board (BBS). Remember them? Founded by the late John Cruzan. In the 90's John's friend, the late Kirk Trummel moved it to the net and created the interactive website. It's still working just fine. Joining is free and loggings, QSLs, etc. received can be posted there.

HF Underground ([www.hfunderground.com](http://www.hfunderground.com)) is the most popular and most used site for pirate fans. Founded in March of 2008 by Chris Smolinski, it is by far the most used and reported to board for pirate activity. Besides pirates, there are boards for all other types of radio activity, QSLs, for sale items, etc. If you haven't joined this site, you better do so now!

The Free Radio Weekly is an email newsletter that's been around about 25 years that publishes a weekly summary of logs sent in by its contributors. To join, just send an email to one of the current editors. Harold Frodge ([99crawdads@gmail.com](mailto:99crawdads@gmail.com)), Dave

Turnick (caodwolf@gmail.com), or Larry Will (radio@zappahead.net)

Many thanks to this month's contributors: Glenn Hauser, Chris Lobdell, Greg Majewski, Bill Montney, Ralph Perry, Gianna Serra, and Mark Taylor.

3222-USB, PIRATE-NA. **SYCKO RADIO**. 0307-0345+, 12-04-21, Program of music by Gazebo, Howard Jones, Koto, and David Bowie. IDs and email address at QRT. (Lobdell-MA)

3939.97-AM, PIRATE-EUROPE. **RADIO FREE WAVES BAY**. 0418-0439, 11-27-21, piano music, other lively music, man announcement and ID above slow classical music, man/woman talk in a Radio comedy; strong audio (Serra-Italy)

4015-USB, PIRATE-NA. **WOLVERINE RADIO**. 0106, 12-12-21, ID, IS, ID, "Nobody Lied" - Marion Harris, "Little white lies," - Ted Wallace and his campus Boys, into a program of "LIES" themed songs with ID every 3rd song, brief sketch, 0200 "echo" ID, SSTV (cartoon of a character connected to a lie detector with "Wolverine Radio"), (Taylor-WI)

4185-AM, PIRATE-NA. **X-FM**. 0111, 12-05-21, Redhat talking about the music & other topics, ID and Gmail address, ID's, canned ID, into "Learning to Fly" - Pink Floyd, ID, "Sinking feeling", into program of music, talk including accurate TC's, and ID's. Good signal marred by significant QRN which made listening difficult at times. (Taylor-WI)

4750-AM, PIRATE-NA. **UNIDENTIFIED**. 1229, 12-08-21, two speakers alternating and possibly nx. An educated guess might be Bangladesh Betar but need a much better morning ... No improvement noted through 1245 though signal stable and can hear OM talking. (Perry-IL)

5033.94-AM, PIRATE-EUROPE. **RADIO DELTRACKS**. 0519-0543, 11-09-21, ongoing some slow electronic music, from around 0529 playing some pop beat songs, slow pop songs from 0536, fair to very poor. (Serra-Italy)

5185-AM, PIRATE-NA. **BURRY COOKIE HOUR via R. ILLUMINATI**. 1921-1956\*, 11-28-21, Program of music hosted by Peter Lorre, old ADs for Burry Cookies. Comedy bit about fish sticks. (Lobdell-MA)

6870-AM, PIRATE-NA. **ION RADIO**. 1526 - 1550, 11-28-21, Nice show of R&B tunes by likes of Muddy Waters and others. It was very enjoyable show. The signal range from good to excellent. (Majewski-CT), 1520-1550\*, 11-28-21, Music by B.B. king, Canned Heat, IDs by YL. (Lobdell-MA)

6919.978-AM, PIRATE-NA. 1613, 12-18-21, JBA music, presumed the very active pirate seemingly in western N America, Radio Pushka. Which means rifle in Bulgarian, or more generically, gun in Russian (Hauser-OK)

6925-AM, PIRATE-NA. **PANDEMIC RADIO**. 2349, 11-23-21, YL opening w/"On the air", mx next/"The LincolnShire Poacher" YL again w/"The great reset starting broadcast", mx next Then ID. Poor. (Montney-MI)

6925-AM, PIRATE-NA. **WBLR**. 1400-1410+, 11-25-21, talking by OM, IDs, song "Genius of Love" by The Tom Tom Club. (Lobdell-MA)

6925-USB, PIRATE-NA. **WTF RADIO WORLDWIDE**. 12-04-21, 1935-2031, Program of music by Riptides, Mazy Haze, Uranium Club, etc. IDs as WTF Worldwide. (Lobdell-MA)

6925-AM, PIRATE-NA **COASTAL ROCK RADIO**, 2116/2106/2315, 12-09/10/11-21, Light instrumental music, OM talk - "The

spirit of Radio"- Rush, "Fade to black," "A thousand miles from nowhere" - Dwight Yoakam, "Illinois" - Dan Fogelberg, Fair/Poor. (Taylor-WI), 2346-2350, 12-10-21, (Majewski-CT)

6925-AM, PIRATE-NA. **YEAH MAN RADIO**. 2113-2148, 12-12-21, Yeah Man with a program of Stan Kenton music as a tribute to his dad who recently died. (Lobdell-MA)

6925-USB, Pirate-NA.**WHIZ**. 2101-2122, 12-17-21, Modern tunes like Proxima B, many which I do not know. Good Signal (Majewski-CT)

6925-AM, Pirate-NA. **NUTTIN' ON SHORTWAVE**. 2057-2105, 12-19-21, just caught the tail end of the show. Heard a funky music tune then ID. Good Signal. (Majewski-CT), 2055 - 2105, 12-19-21, Rock tunes from AC/DC, along with funky-blues tunes from various artists. ID & commentary from none other than Da Crusha himself! Good signal. S7. (Penney-MA)

6925-AM, Pirate-NA. **RADIO 6925**. 0022-0025, 12-20-21, Just the song Mellow Yellow, ID then off. Fair Signal (Majewski-CT)

6925.3-AM, PIRATE-NA. **WBOG**. 2035-2113\*, 11-25-21, IS of tones, IDs, song by John Lee Hooker, AD for "Schaefer Beer". (Lobdell-MA)

6930-USB, PIRATE-NA. **OUTHOUSE RADIO**. 0022, 12-06-21, Outhouse with an ID, "I love you more than you'll ever know" - Oli Brown, pause, "I just can't wait no more" - Woody Wilson's Blues Band, "Softly let me kiss your lips" - Murali Coryell, "I remember you" - Ellen Jewell, Outhouse talking about xmtr., "No, Don't leave me", Outhouse announces last song, ID, Outhouse trying to decide if he is going to quit. Fair. (Taylor-WI)

6930-USB, PIRATE-NA. **TWO DOG RADIO**. 0019, 12-10-21, Man singing into op. talking another song and off. Too poor to tell what the music was or what the op. said. ID from HF Underground. (Taylor-WI)

6930-USB, PIRATE-NA. **WNCJ**. 2058, 12-10-21, Variety of dance music, SSTV (Birthday cake with "WNCJ 42M Shortwave". (Taylor-WI)

6930-USB, PIRATE-NA. **DAMN SKIPPY**. 2124, 12-11-21, Music, SSTV (test pattern). I was out of the room for a while and came back to a "Damn Skippy" SSTV and more rock. Poor. (Taylor-WI)

6931-AM, PIRATE-NA. **D.B. COOPER RADIO**. 1414-1423+, 11-25-21, Program of music, including "Jet Airliner" by Steve Miller Band. (Lobdell-MA)

6931-AM, PIRATE-NA.**CAPTAIN MORGAN SHORTWAVE**. 2245-2300, 12-17-21, Songs heard; I saw Mommy kissing Santa Claus and a funny version of Hotel California. Just caught the tail end of the show. Fair Signal. (Majewski-CT)

6950-AM, PIRATE-NA. **WSPR**. 1321-1343\*, 11-25-21, "Levan Polkka" by Salut Salon, IDs by OM as WSPR, more jazz mx. (Lobdell-MA)

6950-AM, PIRATE-NA. **RADIO GENIX**. 2254, 12-11-21, Intermittent carrier, vague music with came up with rock music, 2306 an ID at a peak, then quick fade back into more rock. Mostly poor with periodic fair peaks. (Taylor-WI)

6955-AM, PIRATE-NA. **ION RADIO**. 2036-2109+, 12-18-21, Program of traditional and non-traditional Christmas music, comedy. (Lobdell-MA), Christmas music show from various artists. YL w/ Christmas greetings and ID. Excellent Signal with great audio. S8. (Penney-MA)

6965-AM, PIRATE-NA. **THE BEGINNING.** techno/dance remixes of popular tunes.  
 1520 - 1621, 12-12-21, Eclectic music show Good Signal. Excellent audio. S7-S8.  
 to be sure! Selections from Indian artists to (Penney-MA)

# Contributors' Page

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	Malachite DSP-SDR, 50' end-fed wire w/9:1 transformer	P,S
<b>Mark TAYLOR</b> , Madison, WI	Perseus, Elad FDM-SW2, Airspy HF+ dual & Discovery, various portables; W6LVP loops, Welbrook ALA 100 N	P
<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	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, LN
<b>Eric BUENEMAN</b> , Hazelwood, MO	SDRplay RSPdx SDR, Apex 303WA-2 vertical, Sangean ATS-803A, 30' longwire	L
<b>Pamela PRODAN</b> , Wilton, ME	Eton Field BT	L
<b>Andre FREDETTE</b> , Oakville, Ontario	JRC NRD 535D, ICOM R-75, Drake R8B, PAR ES-SWL 65', 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	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
<b>Bill MONTNEY</b> , Monroe, MI		P
<b>David TURNICK</b> , Sinking Spring, PA		LN
<b>Ralph PERRY</b> , Wheaton, IL		P
<b>Alan ROE</b> , Teddington, UK	WinRadio G32DDS Excalibur/ELAD FDM-SW2, Wellbrook ALA1530LN loop	L

Ron HUNSICKER, Wyomissing, PA  
Rick BARTON, Sun City, AZ

LN  
SW-2000629 and indoor wire antenna, L  
Drake SW1 & SW8, outdoor long wires &  
Slinky

# Loggings

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

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- 3330 **CANADA CHU** Ottawa 2219 time in both French & English; fair 12/4 (Prodan-ME)
- 3940 **PIRATE R. Buhta Svobodnyh**, 11/15, 0245. Russian. Male talk and rock/pop songs. 45433. (Roe-UK)
- 3985 **GERMANY R Belarus**, Kall, 11/10, 2030. English. Tourist promo; Music Box followed by Our Music (featuring music from Belarus pop/rock bands). 45444. (Roe-UK)
- 4885 **BRAZIL R Clube do Para**, Belem, 11/15, 2045. Portuguese. Talk by male voice and a Brazilian pop song 25332. (Roe-UK)
- 5025 **CUBA Radio Rebelde** 2221-28+ Spanish m Ann, game; poor 12/4 (Prodan-ME)
- 5025 **CUBA R Rebelde**, Bauta, 11/19, 0730. Spanish. Lively Cuban music followed by canned ID and comments by male voice via phone line. Cuban ballad. 35333. (Roe-UK)
- 5040 **CUBA R Havana Cuba**, Bauta, 11/19, 0745. Spanish. Talk by female voice with some additional comments by male voice. 35333. (Roe-UK)
- 5085 **UNITED STATES WTTW** Lebanon, Tennessee English 2222-26 2 m discussing entrepreneurship & career paths; ad for VPN (virtual private network); fair- 12/4 (Prodan-ME)
- 5845 **PHILIPPINES BBC** in KK relay via Tinang. December 8, 2021, 1542 – 1552. SIO 444. YLs with animated conversation or debate. Listed target is FE. Good signal. (Henley, WA)
- 5950 **UNITED STATES WRMI** Okeechobee, FL 0122-58 Texas Radio Shortwave: Janis Joplin live show "Ballroom," "Down on me," "Get It While You Can," more; poor-fair 10/3 (Prodan-ME)
- 5955 **CHINA China Radio Int'l** in EE to FE. December 12, 2021, 1515 – 1523. SIO 333. YLs in talk of trade and economics with OM. Pushing the PRC model of "Capitalism." Pro-China, anti-USA. Suggested that China is more prosperous than the USA... (Henley, WA)
- 5960 **FRANCE Radio France Int'l** – Issoudun, 2134-2200\* Nov 23, two men speaking in the French language with apparent news magazine format program. Fair to good. (D'Angelo-PA)
- 5960 **GERMANY Mighty KBC** 0020-0116+ music "Come See about Me," "Goodnight My Love" (Paul Anka); fair 11/21 (Prodan-ME)
- 5960 **GERMANY Mighty KBC**, Nauen, 11/28, 0000. English. Dave Mason presenting oldies in program "It's Radio, But Not as We Know It". 55555. (Roe-UK)
- 5960 **TURKEY Voice of Turkey**, Emirler, 11/18, 2300. English. News; "Firsts of Anatolia" (about the Kızılırmak River and the Hitites); followed by "World of

- Fairytales (about an old man who is helped to feed pigeons during winter). 55444. (Roe-UK)
- 5965 **CHINA *China Radio Int'l*** in RR to Siberia. December 8, 2021, 1531 – 1541. SIO 333. YL announcers in RR conversation. Moderate QRN / QSB. Listenable. (Henley, WA)
- 5990 **ROMANIA *R Romania Int'l***, Galbeni, 11/14, 1920. Romanian. "Zi-le D-Alead-Ale Noastre" (Folk music program) with presenter interviewing folk singer: Mariana 45444. (Roe-UK)
- 5995 **MALI, *Radio Mali***, 0:00 GMT, Nov 20, SIO 333, French and Arabic program, Man speaking with sub-Saharan music in background. Good to fair with moderate fading. (Fredette-ON)
- 5995 **MALI *Radio Mali*** French 2302-2358 2 m talking about, but not playing music; music finally after 2318; station IDs after 0000; fair 12/4 (Prodan-ME)
- 6000 **CUBA *Radio Habana Cuba*** English 0238-46 "Music With a Message," tonight Tracy Chapman; good 11/28 (Prodan-ME)
- 6000 **GERMANY *NHK R Japan***, Nauen, 11/14, 1720. Japanese. Music featuring artist Leon Russell, including: "A Hard Rain's a-Gonna Fall", "Tight Rope", "This Masquerade". 55444. (Roe-UK)
- 6020 **SÃO TOMÉ E PRÍNCIPE *Voice of America relay*** – 11/17 0626 noted with commentary in French; SIO 333. (Bueneman-MO)
- 6040 **CUBA *Radio Habana Cuba*** Spanish 2222+ m Ann; poor 12/4 (Prodan-ME)
- 6040 **IRAN *VOIRI/IRIB***, Sirjan, 11/10, 1940. English. News and "In the Limelight" (with talk about military spending in the US. 35333. (Roe-UK)
- 6050 **LIBERIA *ELWA*** Monrovia – 11/21 0940 noted with Christian music in English and Christian teaching in local languages. SIO 323. (Bueneman-MO)
- 6050 **ECUADOR *HCJB Voice of the Andes*** 0208-0234 music to 0230, incl guitar, horn, flute; at 0230 Ann & song in Spanish; fair 12/5 (Prodan-ME)
- 6050 **TURKEY *Voice of Turkey*** English 1926-30 one minute loop with middle east music & f ann "this is the Voice of Turkey;" at 1930 fair 12/5 (Prodan-ME)
- 6055 **MADAGASCAR *Adventist World Radio*** in Malagasy via Talata Volonondry. December 10, 2021, 1434 – 1452. SIO 333. YLs in conversation and humor. MX. Target is East Africa. Listenable with moderate QRN / QSB. MX at 1450. (Henley, WA)
- 6055 **CHINA *China R Int'l***, Unknown, 11/10, 1850. French. Talk by male and female voices. HFCC registrations shows this TX as Cerrik, Albania -. 35333. (Roe-UK)
- 6130 **GERMANY *AWR***, Nauen, 11/10, 1905. Arabic. Two Arabic songs (presumably inspirational music) followed by talk by male voice and ID mentioning AWR and Arabic Service. (Roe-UK)
- 6135 **VATICAN CITY *BBC World Service*** relay Santa Maria di Galeria – 11/28 0604 noted with news and analysis in French. SIO 444. (Bueneman-MO)
- 6140 **NETHERLANDS *R Onda***, Borculo, 11/11, 0740. Music. Various non-English pop songs. Canned ID "Vous ecoutez Radio Onda". 45444. (Roe-UK)
- 6155 **AUSTRIA *Radio Oesterreich Int'l*** – Moosbrunn, 0611-0636 Nov 28, woman announcer in the German language hosting a program about Bach with a few short musical segments of mainly talk by her an a man announcer. Fair to good. (D'Angelo-PA)
- 6160 **UNITED STATES *WBCQ*** Monticello, Maine 0210-0240 Texas Radio Shortwave: featuring Stevie Ray Vaughan; very good but fading by 0235 6/27 (Prodan-ME)

- 6160 **GERMANY Shortwave R**, Winsen, 11/25, 0910. English. Mark Stafford program with oldies from 1963, such as "Good News Week" and "Sweets for my Sweet". 45444. (Roe-UK)
- 6170 **ROMANIA Radio Romania Int'l** - English, 2100 - 2115 11/27/2021 News of Romania and Europe. Excellent Signal (Majewski CT)
- 6180 **CUBA China Radio Int'l** English 0112-18 f Ann talking about UNICEF & more; 12/6 very good (Prodan-ME)
- 7220 **CHINA China Radio Int'l** in JJ to FE. December 10, 2021, 1546 - 1600. SIO 333. OM in JJ. MX clips. Long monologue in JJ. Shallow QSB, moderate, but annoying QRN. Off air at 1600. (Henley, WA)
- 7290 **TAIWAN** (tentative) **Nippon no Kaze**. December 12, 2021, 1528 - 1536. SIO 555. "Nippon no Kaze" in KK clandestine likely from Tanshui, Taiwan. YL with impassioned appeal in KK. MX pieces and background MX. Good signal. No significant QRN, slight shallow QSB. (Henley, WA)
- 7290 **BULGARIA IRRS Shortwave**, Sofia, 11/23, 1940. English. Program of Irish folk music. 45444. (Roe-UK)
- 7325 **ROMANIA Radio Romania Int'l** - English, 0100 - 0140 11/29/2021 News of Romania and Europe, followed by a story on the history of plagues in Romania. Excellent Signal (Majewski CT)
- 7355 **UNITED STATES Radio Marti** Greenville, NC Spanish 1454-59 2 f talking over ominous music; very good, //7435 also vg 12/7 (Prodan-ME)
- 7355 **SINGAPORE BBC WS** (Kranji) 1630, W with (apparent) news items in Korean - Fair 11/16 (Barton-AZ)
- 7375 **ROMANIA R Romania Int'l**, Galbeni, 12/14, 1920. Romanian. "Zi-le D-Alead-Ale Noastre" (Folk music program) with presenter interviewing a couple of YL folk singers and playing some tracks 55444. (Roe-UK)
- 7390 **FRANCE Radio France Int'l** via Issoudun - 11/28 0552 noted with news analysis, "RFI" ID in French. SIO 444. (Bueneman-MO)
- 7390 **NEW ZEALAND RNZI** in EE to Oceania. December 7, 2021, 1547 - 1607. SIO 444. MX, POP / Rock MX. Good signal easy listening. Slight QRN / QSB. OM singer, multiple songs. OM announcer with MX commentary (Henley, WA)
- 7390 **NEW ZEALAND RNZI** in EE to Oceania. December 10, 2021, 1538 - 1544. SIO 444. MX program. OM host interviewing various artists. POP MX program. Good signal easy listening. Minor QRN / QSB, slight flutter. (Henley, WA)
- 7415 **CHINA China Radio Int'l** - English, 2137 - 2140 11/28/2021 A discussion of animation in China. Good Signal (Majewski CT)
- 7415 **CHINA China R Int'l**, Kashi, 11/29, 2030. English. Alight on Literature reading from Chapters 31 and 32 of "Tides from the West" by Chiang Monlin. (Roe-UK)
- 7450 **FRANCE Radio Japan** via Issoudun - 11/28 0555 noted with a feature on Japan in French. SIO 323. (Bueneman-MO)
- 7465 **SINGAPORE BBC** in Dari / Eastern Farsi to Afghanistan via Kranji. December 7, 2021, 1618 - 1626. SIO 333 fading to 222. OMs with talk. Listenable with difficulty. YL joins at 1622. QRN increasing with degrading conditions after 1623. (Henley, WA)
- 7465 **SINGAPORE BBC**, , 11/10, 1820. Pashto. Comments by both male and female voices. ID: "BBC". Also being heard with a very strong, slightly over-modulated, signal on 7550 kHz via Bulgaria. 35333. (Roe-UK)

- 7475 **THAILAND R Thailand**, , 11/10, 1805. Thai. News read by female voice, followed by Thai song 25332. (Roe-UK)
- 7485 **SINGAPORE BBC WS**, , 11/10, 1828. English. Program "Outlook" talking to Holocaust survivor, Lily Ebert, about her wartime experiences. 35333. (Roe-UK)
- 7490 **UNITED STATES WWCR 2** in EE religious broadcast from Nashville, TN. December 10, 2021, 1524 – 1533. SIO 343. Religious program with an YL preacher Climate change appears to have become the new religion. (Henley, WA)
- 7495 **KUWAIT Radio Ashna** Voice of America 11/26/2021 0210 Dari. News/commentary presented by female/male announcers, Station ID "Radio Ashna" by male in English at 0221. Target Afghanistan 4/4/3/4/4 (McDavitt-FL)
- 7540 **TADJIKISTAN Radio Free Asia** Chinese 1500-06 m Ann; poor, //7665 fainter; 12/7 (Prodan-ME)
- 7600 **ARMENIA Afghanistan Int'l TV** 11/21/2021 0120 Pashto. Discussion followed by several clear IDs in English "Afghanistan Int'l", also announced as "Radio Afghanistan Int'l". Followed by news at 0130. 4/4/4/4/4 Solid Sigs (McDavitt-FL)
- 7850 **CANADA CHU** Ottawa 1515 time in French & English; excellent 12/7 (Prodan-ME)
- 9275 **PHILIPPINES FEBC R Liangyou**, , 12/01, 1335. Chinese. Gentle Chinese songs and talk by female and male voices. 35333. (Roe-UK)
- 9330 **UNITED STATES WBCQ** in EE to ENAM from Monticello ME. December 8, 2021, 1609 – 1614. SIO 232. "World's Last Chance Radio" religious program. Poor signal, listenable with difficulty. Heavy QRN / QSB. (Henley, WA)
- 9345 **PHILIPPINES FEBC R Liangyou 1**, , 12/01, 1410. Chinese. Chinese song and talk by male voice. 35333. (Roe-UK)
- 9380 **UZBEKISTAN V of Wilderness (pres)**, , 12/01, 1420. Korean. Male voice with triumphant talk. Some background music heard under more talk by female voice. 25332. (Roe-UK)
- 9395 **UNITED STATES WRMI** Okeechobee, Florida 2320-38 m Ann with "Jazz from the Left;" fair, fading 12/5 (Prodan-ME)
- 9435 **NORTH KOREA Voice of Korea** 11/26/2021 1300 English Station ID "This is Voice of Korea" Ann by male then female followed by anthem/patriotic music, then news at 1308 by male. Great signals this morn 4/5/4/5/4 (McDavitt-FL)
- 9435 **NORTH KOREA Voice of Korea** 11/26/2021 1300 English Station ID "This is Voice of Korea" Ann by male then female followed by anthem/patriotic music, then news at 1308 by male. Great signals this morn 4/5/4/5/4 (McDavitt-FL)
- 9470 **GERMANY R Liberty**, , 12/01, 1425. Tajik. Presumed Tajik song and talk by female voice. 35333. (Roe-UK)
- 9475 **UNITED STATES WTWW** religious broadcast in EE from Lebanon, TN. December 12, 2021, 1541 – 1547. SIO 433. OM preacher quoting from the Bible... (Henley, WA)
- 9515 **CHINA CNR2** Business Radio Beijing – 11/21 1011 noted with commentary in Chinese. SIO 222. (Bueneman-MO)
- 9550 **SÃO TOMÉ E PRÍNCIPE Voice of America** relay – 11/29 0640 noted with interview in English. SIO 323. (Bueneman-MO)
- 9550 **ALASKA KNLS** in RR religious broadcast. December 12, 2021, 1548 – 1557. SIO 333. Children's choir singing "Jesus Loves Me This I Know." Noisy signal, heavy QRN, shallow QSB. More MX follows ID and contact information. OM announcer in RR. (Henley, WA)

- 9580 **SINGAPORE BBC World Service** 11/28/2021 1010 English "Deeply Human" segment with story of the effect on humans of standing in lines for various services. Station ID at 1029 followed by the news. SIO 3/3/3 (McDavitt-FL)
- 9610 **GUAM AWR Guam**, , 11/30, 1110. Chinese. Talk (sounds like a story) read by female with some atmospheric background music, followed by children's song. 35333. (Roe-UK)
- 9620 **INDIA AIR** External Service 11/22/2021 2015 French. Classic Indian music with station ID at 2029 by female announcer in French. 3/5/3/4/3 Decent Sigs (McDavitt-FL)
- 9620 **INDIA AIR Raagam**, , 11/29, 1945. Hindi. Classical music heard with a good signal lock on DRM Channel B. The AIR French service is being transmitted on both Channel A and Channel C. First time that I have noted AIR using three DRM channels. DRM: 20 dB. (Roe-UK)
- 9635 **MALI R Mali (pres)**., 11/11, 1700. French. French talk followed by local African music then further talk by male voice in French. 25332. (Roe-UK)
- 9667 **BRAZIL Radio Voz Missionaria** ZYE890 Camboriú, Santa Catarina – 11/28 0534 noted with Christian music and a quick ID in Portuguese. Frequency was actually 9666.946 kHz on the SDR; nominal 9665. SIO 333. (Bueneman-MO)
- 9670 **GERMANY Vorstellung**, , 11/20, 1520. German/English. Program: "Vorstellung von C M Orbrecht" with electronic music including announcements. 45444. (Roe-UK)
- 9675 **SAUDI ARABIA Radio Saudi Int'l** via Riyadh 11/19/2021 1945 Turkish. Commentary by male announcer. Off abruptly at 1957. 5/5/5/4/5 (McDavitt-FL)
- 9675 **SAUDI ARABIA** 20:45 GMT, Nov 22, SIO 333, Turkish program, pop music. Good to fair. (Fredette-ON)
- 9705 **VATICAN BBC**, , 11/11, 1900. Oromo/English/Tigrinya. BBC Learning English (English language learning program) discussing "was"/"were" and "has"/"have". 45444. (Roe-UK)
- 9720 **CLANDESTINE Dimtse Radio** Erena – Kostinbrod (Sofia), 1712-1736 Nov 22, man and woman announcers speaking in the listed Tigrinya language. Some vocals selections between talk segments. Fair. (D'Angelo-PA)
- 9750 **JAPAN NHK World R Japan**, Yamata, 11/30, 0812. Japanese. Japanese pop song followed by female studio host interviewing male guest. 25332. (Roe-UK)
- 9765 **SRI LANKA Adventist World** Radio 1546-48 m Ann; faint 12/7 (Prodan-ME)
- 9800 **IRAN VOIRI** Arabic 1440-43 m & f in discussion; poor-fair 12/6 (Prodan-ME)
- 9800 **PHILIPPINES Voice of America**, 20:51 GMT, Nov 22, SIO 333, Korean program, Woman speaking. Good with minor fading.
- 9810 **ROMANIA Radio Romania Int'l** 1549-51 song then m Ann with ID; fair 12/7 (Prodan-ME)
- 9830 **CHINA CNR1** Beijing – 11/17 1020 noted with news analysis in Chinese. SIO 222 with utility QRM. (Bueneman-MO)
- 9835 **UNITED KINGDOM Voice of America Radio** Ashna Dari 1551- m & f Ann; poor 12/7 (Prodan-ME)
- 9855 **MADAGASCAR NHK- World Japan**, 20; 53 GMT, Nov 22, SIO 434, French program: French and Japanese language lessons. Discussion on customs in Japan. Good signal minor fading.
- 9885 **VATICAN CITY Voice of America** relay Santa Maria di Galeria 11/17 0623 noted with commentary in French. SIO 333. (Bueneman-MO)

- 9899 **EGYPT Radio Cairo.** 9899.6, Dec 14 at 2212, R. Cairo is on at S8-S9 direct but only a trace of modulation presumably English (Glenn Hauser, OK,)
- 9900 **EGYPT R Cairo** , , 11/12, 2130. English. Pips heard at 2130 and then talk by female voice. This was followed by an Arabic song and further talk by male voice. More pips at 2200 and possible national Anthem... 25332. (Roe-UK)
- 9965 **PALAU Hope R** , , 11/21, 0959. English. Talk by male voice followed by religious music and lively gospel tunes. 25332. (Roe-UK)
- 9975 **GUAM KTWR** , , 11/30, 1120. Chinese. Presumed Christian music and talk by female and male voices. 25332. (Roe-UK)
- 9980 **UNITED STATES WWCR** in EE religious broadcast from Nashville, TN. December 10, 2021, 1452 – 1459. SIO 444. ID and contact information for the Overcomer Ministry. (Henley, WA)
- 10345 **CUBA Spy Numbers** – 11/17 0608 noted with number sequences in Spanish and data streams. SIO 545. (Bueneman-MO)
- 11530 **MOLDOVA Broadcast Belgium** Kurdish 1344-1400+ f song then ME instrumental music, f Ann after 1400; poor-fair 12/6 (Prodan-ME)
- 11530 **FRANCE Radyo Denge Welat** (Issoudun) at 1530, talk w/ M in (listed) Kurdish, Middle Eastern vocal music – Fair 11/22 (Barton-AZ)
- 11560 **INDIA All India Radio** 1447-50 AIR promo in English then m Ann in Pashto discussing India- Russia relations & meeting of Modi & Putin; loud – very good 12/7 (Prodan-ME)
- 11600 **UNITED STATES WRMI** Okeechobee, FL – 11/29 0644 noted with Christian sermon in English; second harmonic of 5800 kHz. SIO 333. (Bueneman-MO)
- 11610 **UNITED KINGDOM Voice of America** Somali 1601+ m Ann with news, incl Russian – Ukrainian situation; fair 12/7 (Prodan-ME)
- 11640 **MALI, China Radio Int'l**, 20:48 GMT, Nov 21, SIO 454, English program, Story about a man who lived in chia during the time when war between Japan and china was beginning to start. Good signal, minor fading. (Fredette-ON)
- 11705 **MADAGASCAR R Mazaris Samay** , , 11/14, 1520. Tigrinya (listed). Talk by male voice. Brief music extract (30 seconds) then talk continues. Transmitter off at 1530. 35333. (Roe-UK)
- 11720 **MADAGASCAR AWR** (Talata) 1700, interesting African vocal music, W in (listed) Swahili (Central Africa) -- Fair to Good 11/15 (Barton-AZ)
- 11725 **NEW ZEALAND RNZ** 11/28/2021 1240 English "100 Years of Broadcasting" hosted by Justine Murray. Sure, miss their summer freq of 7245 mornings here. (McDavitt-FL)
- 11725 **NEW ZEALAND R New Zealand Pac** , , 11/21, 1005. English. Retro Cocktail Hour with light piano jazz music. 25332. (Roe-UK) 11/30, 0910. English. News followed by 35333. (Roe-UK)
- 11755 **SRI LANKA AWR** , , 11/11, 1610. Urdu. Clear ID mentioning "AWR". Talk by male voice. 25332. (Roe-UK)
- 11780 **BRASIL Radio Nacional da Amazônia** Portuguese 2237-2318 music, songs, some live concert; IDs & frequencies at 2318; fair-good 12/4 (Prodan-ME)
- 11780 **BRAZIL Radio Da Amazonia**, 20:52 GMT, Nov 21, SIO 444, Portuguese program, Man talking about sports, good signal. (Fredette-ON)
- 11790 **GERMANY Bible Voice Broadcasting** 1609-12 unknown Lang, m & f Ann; fair 12/7 (Prodan-ME)

- 11815 **BRASIL *Radio Brasil Central*** Portuguese 2240-48 m & f Ann & snippets of music, then song at 2245; fair- 12/4 (Prodan-ME)
- 11815 **TURKEY *Voice of Turkey*** Turkish 1414-19 m Ann; poor 12/6 (Prodan-ME)
- 11825 **AUSTRALIA *Reach Beyond Australia***, 1200, unusual sounding pop/rock, M announcer (listed) Kannada language (SW India region) – Poor to Fair 11/22 (Barton-AZ)
- 11830 **FRANCE *Deutsche Welle*** in Amharic to East Africa. December 10, 2021, 1611 – 1620. SIO 433. DW relay via Issoudun with a long OM conversation. Listenable. Occasional MX clip. YL joins at 1615, then back to OMs conversation as a long talk. (Henley, WA)
- 11830 **FRANCE *Deutsche Welle*** Amharic 1613-17 f & m Ann, quote in English “... human rights abuses ...” fair- 12/7 (Prodan-ME)
- 11900 **SAO TOME & PRINCIPE *Voice of America***, 20:55 GMT, Nov 21, SIO 444, French program, African hip hop, “Caught up” by Usher,, “Please don’t go” by KWS, ID at 20:58 (Fredette-ON)
- 11900 **SAO TOME *Voice of America*** (Pinheira) 2010. M presenter in French, PX featuring American vocal music from the 1940s – Good 11/7 (Barton-AZ)
- 11930 **UNITED STATES *Radio Marti*** in SS to Cuba from Greenville, NC. December 8, 2021, 1556 – 1605. SIO 444. OM announcer, ID at TOH... (Henley, WA)
- 11955 **AUSTRIA *Adventist World Radio*** – Moosbrunn (presumed), 1603-1621 Nov 28, tuned into a female vocal selection accompanied by flute music followed by a woman announcer speaking in the listed Urdu language. Quite weak. (D’Angelo-PA)
- 11965 **UNITED KINGDOM *IBRA Media/R Sama*** (Woofferton) at 1830. W in (sounded like/listed as) Arabic, very choppy – Poor to Fair 11/15 (Barton-AZ)
- 11985 **MADAGASCAR *Adventist World Radio*** (Talata-Volonondry) at 2030. M in (listed) Yoruba (West Africa), children's choir to Raggae-ish like beat – Fair to Good 11/19 (Barton-AZ)
- 12030 **SPAIN REE**. 12030, Sat Dec 4 at 1550, REE with insane enthusiasm about a silly ballgame, best here S9+10/20 off the back to ME, rather than so-called N America direct on 9690 only S7/S8 about the same as the other off beams, 11940 to S America and 11670 to Africa (NOT 11685) (Glenn Hauser, OK,)
- 12040 **GERMANY *Adventist World Radio*** (Nauen) 1645, F/G on Drake and long wire, M and W in (listed) Amharic (Ethiopia). Closing out the hour w/ some vocal music. Brief Ann & off on the hour – Choppy; Fair to Good Nov. 29 Barton-AZ
- 12070 **PHILIPPINES *FEBC / R Liangyou*** (IBA) at 2300, Heard on Drake SW1 and outdoor l.w. w/ open, M in Chinese and suddenly off at 2327 – Fair 11/7 (Barton-AZ)
- 12120 **PHILIPPINES *R Pilipinas*** 1730, open w/ W in Filipino dialect (likely Tagalog) Poor but still amazingly audible with all the CCI (both RTTY and the super-swisher, i.e., CODAR) -- Poor to Fair 11/22 Barton-AZ
- 13630 **MALI *China Radio Int’l***, 21:17 GMT, Nov 20, SIO 545, English program, Man and woman talking about inflation and what employees think about it, Excellent reception, very clear with minor fading. (Fredette-ON)
- 13670 **MADAGASCAR *WCB/ African Pathways Radio*** (Mahajanga) at 1805, Heard on Sangean portable, 16; antenna, w/ medical PX on recognizing strokes and high blood pressure. (px "Ask The Doctor"). – Fair to Good 11/24 Barton-AZ

- 13750 **THAILAND Radio Thailand** 12/02/2021 0000 English National news followed by Global news. Commercial for Vana Belle resort; sounds nice. SIO 4/4/4 (McDavitt-FL)
- 13760 **MADAGASCAR NHK World Radio** (Talata-Volonondry) 1730, monitored on Sangean portable, 16' antenna. Dialogue with M and W in (listed) Swahili (West Central Africa). – Fair 11/24 (Barton-AZ)
- 13820 **UNITED STATES Radio Marti** in SS to Cuba from Greenville, NC. December 7, 2021, 1538 – 1545. SIO 333. OMs with long dialogue. Heavy QRN, steep QSB, listenable with difficulty. (Henley, WA)
- 13830 **VATICAN STATE Vatican Radio** 1600, choir music, M in (listed) Swahili, and alternating. Off at the BoH after Vatican IS – Poor 11/24 (Barton-AZ)
- 13845 **UNITED STATES WWCR3** religious broadcast in EE to NAM. December 7, 2021, 1534 – 1538. SIO 333. Fire and brimstone OM preacher. Heavy QRN, steep QSB to JBA. Mixed choir singing hymn. (Henley, WA)
- 15155 **ETHIOPIA [non] Dimtse Woyane** 15155-15160-15165, Dec 11 at 1552, DRM-like noise as jamming atop JBA talk, i.e. like logged Dec 7, clandestine Dimtse Woyane, via FRANCE, and jamming maybe from outside Ethiopia skip zone (Glenn Hauser, OK,)
- 15160 **CLANDESTINE Dimtse Tigray Media House** – Issoudun, 1511-1558\* Nov 28, woman and man announcers peaking in the listed Tigrinya language. Short segments of Horn of Africa vocals and music between lively talk segments. Good signal. (D'Angelo-PA)
- 15160 **FRANCE Dimtse Woyanr Tigray**, 15:41 GMT, Nov 22, SIO 323, Tigrinya program, Man and woman speaking. Sub-Saharan music, good to fair with moderate atmospheric noise. (Fredette-ON)
- 15195 **GERMANY Deutsche Welle** -Interval Signal, 1606 - 1608 11/28/2021 Just was playing the interval signal. Fair Signal (Majewski CT)
- 15285 **FRANCE R. Manara Int'l** 15285.070V, Dec 13 at 1615, S3-S5 of talk, the frequency audibly wavering. It's Issoudun with R. Manara Int'l in Hausa. Previously measured during same hour Nov 27 at 15285.052. See also SAO TOME (Glenn Hauser, OK,)
- 15355 **AUSTRIA Adventist world radio**, 20:40 GMT, Nov 13, SIO 322, French program, Man and woman speaking but just above noise level, hard to understand. (Fredette-ON)
- 15355 **AUSTRIA Adventist World radio**, 20:44 GMT, Nov 21, SIO 333, French program, Religious program. Man talking about salvation. Good to fair. (Fredette-ON)
- 15400 **ASCENSION ISLANDS BBC World Service** – English Bay, 1752-1813 Nov 23, time pips at 1800 followed by station ID and news program in the English language. Poor reception. (D'Angelo-PA)
- 15400 **ASCENSION ISLAND BBC**, 18:50 GMT, Nov 21, SIO 343, English program, Two men talking about playing in the Manchester United soccer club. Good to fair. (Fredette-ON)
- 15460 **BOTSWANA Voice of America**, 15:45 GMT, Nov 22, SIO 323, Hausa program, a number of women speaking, fair, slightly muddy sound. (Fredette-ON)
- 15550 **VATICAN CITY Radio Dabanga**, 15:47 GMT, Nov 22, SIO 323, Arabic program, woman speaking. Good to fair. (Fredette-ON)
- 15580 **BOTSWANA Voice of America** relay Mopeng Hill – 11/29 0655 noted with commentary in English; SIO 323. (Bueneman-MO)

- 15580 **BOTSWANA *Voice of America***, 19:09 GMT, Nov 7, SIO 555, English program, End of news, followed by DJ Larry London, Hip hop music, “, Strong clear signal almost like local quality, minor fading. (Fredette-ON)
- 15580 **BOTSWANA *Voice of America***, 18:52 GMT, Nov 21, SIO 434 English program, Hip Hop music, “Okomi” by Waje, ID at 19:00, News by Joe Ramsey, News on election rules in. Good signal minor fading. (Fredette-ON)
- 15580 **BOTSWANA *Voice of America***, 15:48 GMT, Nov 22, SIO 323, English program, Song “Lady” by Lionel Richie. Good to fair. (Fredette-ON)
- 15580 **BOTSWANA *Voice of America***, 20:43 GMT, Nov 13, SIO 333, English program, ID at 20:45, Heida Maxwell DJ, song “Lukika” by Franco & Le TP OK Jazz, Good to fair with minor fading. (Fredette-ON)
- 17630 **MALI *China Radio Int’l***, 15:36 GMT, Nov 22, SIO 333, English program, News discussion by man and woman on the Rittenhouse verdict and US laws. Good reception, moderate fading. (Fredette-ON)
- 17800 **FRANCE *Mini Transat la Boulangère***, 15:45 GMT, Nov 13, SIO 434, Music program consisting of 10 second clips of each song nonstop presumably as navigation help for part of a yacht race. Good signal minor fading. (Fredette-ON)
- 17830 **ASCENSION ISLAND *BBC WS*** 11/28/2021 1715 English In-depth Soccer results and discussion by male/female Anns. Return to play by play of game in progress at 1730. SIO 5/5/5 (McDavitt-FL)
- 17830 **ASCENSION ISLAND *BBC WS*** 11/28/2021 1715 English In-depth Soccer results and discussion by male/female Anns. Return to play by play of game in progress at 1730. Always good signals in early afternoon SIO 5/5/5 (McDavitt-FL)
- 21630 **UNITED KINGDOM *BBC*** - English, 1610 - 1629 11/28/2012 an interview with a football (soccer) player followed by the sports news. Good Signal (Majewski CT)

## Publisher’s Corner

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

### Happy New Year! May 2022 be, um, better than 2021...

The CoVID-19 pandemic certainly made a mess of 2021 after making a mess of 2020, didn’t it? The global economy has experienced seismic shifts that many economy watchers don’t see reverting back to the pre-pandemic ways of conducting business. This assumes we see our way through to the other side of the pandemic in 2022!

Projections are that increased package shipments – and decreased letter mail – will

continue to be the pattern for the US Postal Service, and – as mentioned in November – this means that print delivery of the *Journal* will continue to be sluggish. The printer for the *Journal* is still chugging along, though at a reduced activity level. They expect to continue to soldier on!

### Switching hats to my *co-Festmeister* role ...Winter SWL Fest Announcement!

The 35th (!) Winter SWL Fest will again be virtual for 2022, conducted online via the Zoom platform as it was in 2021.

While we very much want to go back to an in-person event – perhaps with a hybrid online component for those who can't join us in person – that's not feasible given the unpredictability of the pandemic, and given the average age of a Fest participant.

By the time this edition of the *Journal* is in your hands, we'll have the SWL Fest website set up for online registration. We'll be charging \$10 for 2022, in part to ensure we can support the online Zoom meeting requirements and have storage space for the video and audio from forum sessions for those in other time zones.

Many of your favorite Fest forums will be back, as well as some new topics as well. We'll have a separate "Hospitality Room" again this year as well!

**Registration for the Fest will be online only, via the Fest website, using PayPal. A reminder you don't need to have a PayPal account – or a Zoom account – to register for, and participate in, the Fest.**

**So we can get the Zoom account properly configured, you must complete registration by February 23, 2022.**

**As usual, the Fest website (<http://swlfest.com>) will be regularly updated.**

**35th (!) Virtual Winter SWL Fest**

**March 4-5, 2022**

**Online via Zoom**

**<http://swlfest.com> for all the details!**



**Jerry Berg ♦ 38 Eastern Ave ♦ Lexington MA 02421 ♦ [jsberg@rcn.com](mailto:jsberg@rcn.com)**

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, November 21, 2021 -- At "DX History-I/Recordings/Compilations/John Ekwall Recordings" we have posted a link to the website of our DX friend in Sweden, John Ekwall. At <http://joesweden.info/radio/ID-tapes/index.html> you will find three groups of mediumwave station recordings made by a number of accomplished DXers (some of these stations were also on shortwave). Each group includes an index that permits you to find particular stations quickly. (1) The first group, originally consisting of two tapes, was recorded in the mid-1970s by Björn Olsson (Olz) of Umeå. These are mostly American, Canadian and South American stations. (2) The second group, eight tapes, was made by Björge Eriksson and Lennart Hane during the 1960s, with some additional recordings made by Stefan Bursell in the late 1970s. These recordings are from all over the world, and also include some shortwave recordings. (3) The third group consists of 12 tapes, which were made in December 1983-January 1984 by Anders Björkerling and

Lars Skoglund on a trip to South America, and consists entirely of South American stations. This group also includes an impressive 30-page index containing verbatim transcripts of ID texts. -- While you're there, check out <http://joesweden.info/radio/> for some interesting recordings of broadcasts from Gambia, Cyprus, and St. Helena, plus the 1946 version of the FBIS "Broadcasting Stations of the World" which John has reorganized, shortwave channels only, by country and frequency, The original of "BSOW" can be found at the Hathi Trust site <https://catalog.hathitrust.org/Record/000888019> Thanks, John.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, November 28, 2021 -- Look for the red "New" under "DX History-II/Equipment & Advertising" for a booklet about the American Bosch "Cruiser" receiver. The booklet dates to 1926, two years after the company, named the American Bosch Magneto Corp., began selling radios. The set had five tubes and sold for \$100. Perhaps more important than the information about the receiver itself is the lesson it gives as to just what was involved in setting up for ordinary radio listening in those days. It was no small thing. If you want to know how the Cruiser was manufactured and tested, check out the article, "A Radio Factory," in the January 1927 *QST*, pgs. 22-27, at <https://worldradiohistory.com/QST.htm>

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, December 5, 2021 -- More Bosch! Last time it was the instructions for the American-Bosch Cruiser radio. Now we've posted the "American-Bosch Radio Explorers Club Authorized Radio Map of the World With Log of Foreign Stations and Police Calls," from July 1, 1934. "Be a Radio Explorer," says Master Mariner and Club Commander, Captain James P. Barker. "Tuning in on these new 1935 American-Bosch Round-the-World Radios is almost as thrilling as actually sailing to foreign lands!" Look for the red "New" under "DX History-II/Equipment & Advertising/American-Bosch."

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, December 12, 2021 -- It was sad, but perhaps inevitable in today's changed media environment, to read the recent announcement from World Radio-TV Handbook publisher Nicholas Hardyman that the 2022 WRTH will be the last. So it is a good time to look back at the history of the publication that sustained DXers for three-quarters of a century. I had a chance to examine that history when I was working on my book, "Listening on the Short Waves, 1945 to Today," in 2009. Under "DX History-II/Lists, Logs, Guides & Columns/1947-2022. WRTH History," look for the red "New," where we have posted the section of "Listening" covering the history of the WRTH. Could there have been a SWBC DX hobby without the WRTH?

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, December 19, 2021 -- John Ekwall has added to his webpage at <http://joesweden.info/radio/> a recording of the final two hours of Radio St. Helena on December 25, 2012. This is not a Radio St. Helena day broadcast, but rather the final two on-air hours before the station (on mediumwave) left the air for good. The first hour is mostly music, but the second hour consists of Station Manager Tony Leo talking in detail about the station's history, including in particular its opening on December 25, 1967. It is worth a listen. John pointed out to me some references by Tony to certain Cable & Wireless broadcasts from St. Helena as early as 1965. I have done some more research on this, and have posted "The Forgotten Shortwave Broadcasts of St. Helena," under "DX History-I/Stations/Countries/St. Helena." Look for the red "New," and thanks to John for bringing this very interesting historical information to our attention.

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**Executive Director:** Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610-1553

**Publisher / Business Manager:** Richard Cuff, P. O. Box 3292, Allentown, PA 18106-0292

**Executive Council:** Jerry Berg, Ralph Brandi, Richard Cuff, Rich D'Angelo, John Figliozi

## **EDITORIAL STAFF**

**NASWA Notes:** Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610-1553

**Musings:** Jerry Lineback, 4422 Sierra del Sol, Paradise, CA 95969-8116

**Listening Review:** Alan Roe, 33 Atbara Rd., Teddington, TW11 9PA United Kingdom

**Shortwave Center:** John Figliozi, 45 Algonquin Rd., Clifton Park, NY 12065-7703

**Adrian Peterson's Diary:** Dr. Adrian M. Peterson, Box 29235, Indianapolis, IN 46229-0235

**NASWA Awards:** Gary R. Neal, P.O. Box 1, Cockeyville, MD 21030-0001

**Listener's Notebook:** Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610-1553

**Pirate Radio Report:** Brian Penney, 30 Acorn Way, Brewster, MA 02631-2659

**QSL Report:** Sam Barto, 78 Blakeman Rd., Thomaston, CT 06787-1301

**The Robinson Report:** Dan Robinson, %PO Box 3292, Allentown, PA 18106-0292

**Scoreboard:** Gary R. Neal, P.O. Box 1, Cockeyville, MD 21030-0001

**International Broadcasting:** Kim Andrew Elliott, 5001 25th Street North, Arlington, VA 22207-2622

**Loggings:** Dave Turnick, 372 Spohn Rd., Sinking Spring, PA 19608-1737

**NASWA Flashsheet:** Mark Taylor, 1114 Ellen Ave., Madison, WI 53716-1535

**Desktop Publishing/Graphics:** Richard Murphy, 1342 Oak Path, San Antonio, TX 78258-1935

**Cover Art/Design & club archives:** John Herkimer, 1090 Cunningham Dr., Victor, NY 14564-9512

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**Allentown, PA 18106-0292**

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