

# The **NASA** Journal

VOLUME LXII NUMBER 4

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North American Shortwave Association – America's Shortwave Broadcast Club

# Serving Monitoring Enthusiasts Since 1942

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# NASWA Notes

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The club's 35th Winter SWL Festival during the first weekend in March was a virtual event for the second year in a row with over 270 people registered for the conference and attendance from around the globe. Most sessions over the two day period averaged between 140-150 attendees with numerous NASWA faces spotted in the vast crowd. Thanks to Rich Cuff and John Figliozzi for another great opportunity to gather and enjoy the company of other radio folk in a safe virtual setting. Also, thanks to the many presenters and the crew at CIDX that ran the parallel hospitality suite once again. The hope is to return Plymouth Meeting (perhaps elsewhere?) for an in person 36th annual Winter SWL Festival with hopefully a virtual element to enable folks that can't travel an opportunity to participate with the preliminary target date set for March 3 and 4, 2023. It's never too early to begin thinking about attending!

WBCQ, the Planet, commenced a new programming block on 4,790 kHz in the evening hours in North America (0200 to 0400 UTC) with special programs from around the world coming into the mix, all entertainment and culture; many of them new programs for your shortwave listening pleasure. Member Bill Tilford is heavily involved in the development of some of the programming aspects of this new effort so give these new programs using 4,790 kHz a listen as your time permits. I heard the test transmissions in February and heard some of

the new programs in March so I know the signal is good for casual listening. The new programming is being sponsored by Angela and Allan Weiner and curated by our own "Uncle Bill" Tilford for the shortwave listening community. No politics or religion is scheduled to be part of this new programming block. If you have complained about too much politics and religion on the shortwave airwaves, you should try this new block from WBCQ on 4,790 kHz which will introduce six new programs to shortwave listeners. Send a musing to Jerry Alice Lineback (jalinebk@gmail.com) with your thoughts about the new program features,

Our cover artist, John Herkimer, tossed us a curve this month possibly celebrating the return of baseball after a prolonged strike/lockout ended and spring training began. This month our cover features radio stamps from several radio countries as opposed to a specific shortwave radio station and related radio country. Among the countries represented are: Ascension Islands, Australia, Bonaire (part of the Netherlands Antilles), Canada, Finland, France, Gambia, Liberia, Luxembourg (Radio Luxembourg and RTL), Netherlands, South Africa, St. Helena (the annual Radio St. Helena Day broadcasts were a staple of the shortwave community for several years), USA, United Kingdom and the Vatican. Fifteen different shortwave radio countries, however, over half of them are still carried on the shortwave bands! A

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## Unity and Friendship

great variety of shortwave radio memories. Thanks John!!

As we approach spring (and hopefully better golfing weather), John Figliozzi has a nice smorgasbord of topics in the Shortwave Center. NASWA's own Greg Majewski has an interesting technical mystery (and solution) involving RFI and his SDRs. Following this we have a nice receiver article on "Cross-Over Radios" by David Harris of the British DX Club. Cross-Over Radios have replaced the entry level world-band radios with radios of communication receiver performance, and many models are mentioned. Bringing up the rear is a historical review of the infamous Buzzer radio station, now caught up in the current events in the Ukraine, by Alex Diggins of The Telegraph. Another great research effort by John that is both a useful and a fascinating read.

Here's a reminder about the upcoming European DX Council ("EDXC") conference scheduled for Bucharest, Romania from May 20-22, 2022. Christian Ghibaudo (chr.ghibaudo@gmail.com) informs us that the EDXC Conference is moving forward as

the current health situation will allow it to happen. The venue will be the Mercure Hotel in the city center with the actual conference taking place on Saturday and Sunday morning. Things commence with a welcome drink on Friday evening. For those who can arrive on Thursday, they are planning a visit to the Radio Romania International's studios on Friday, they expect to be able to confirm this the beginning of May. On Saturday (at a time to be defined) there will be a sightseeing tour of Bucharest which will last about 2 hours. The fees are as follows: Conference fees: 61.95 euro (i.e. conference room & lunch for Saturday & Sunday); Saturday evening banquet: 31 euro and Tourist visit around 20/25 euro which must be confirmed. For the rooms, its 65 euro (single) or 75 (double/twin) breakfast included. For the reservation of the room, it will be necessary to do it by a form prepared by the hotel, so as soon as possible ask Christian for this form. EDXC website: <https://edxcnews.wordpress.com>.

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

## Musings

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*Please e-mail your Musings, preferably as MS Word attachments, to [jalinebk@gmail.com](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 May issue is April 20, 2022.*

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

I am sorry for being MIA for so long. It has taken longer to get back in action in my life than I thought it would. My sweet bride, who had both knees done several years ago, just laughs and says, "I told you so." In any case, I am still progressing through physical therapy. My

new knee is stable, and my leg is now straighter and largely pain-free. I am pleased with the results of the operation.

How about some more contributions for Musings.


73, Jerry Alice

**George Herr, [gpherr@earthlink.net](mailto:gpherr@earthlink.net)**

I have started scanning the bands recently. My yard is a cone of noise, being ringed on all sides by neighborhood power lines including a pole mounted transformer in one corner. I have been able to get out of this in the past by having my tree trimmers run a wire up a 50' palm. However, the power company sent some gorillas to trim it in my absence and they managed to destroy it along with all my other antennas. I was able to fix them except for the palm LW vertical. I am now relying on my PAR at 20' well inside the ringing power lines. It is amazing that I get anything at all. Multiple ground rods and ferrite cores have eliminated most common mode but I find all kinds of RFI spikes repeating every 10 -15khz. I note that WWV is now booming in on 20MHZ so it seems like the higher frequencies are becoming useful again.

73, George

*Thanks to our contributor, these pages are open for your contributions.*

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

# Listening Review

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

Welcome to Listening Review for April 2022.

## Radio Angela (WBCQ)



**Radio Angela** is the new entertainment block on WBCQ, being broadcast daily from 0200-0400UT on 4790 kHz, and which has got off to a cracking start since its launch on 1 March. Primarily targeted for North America, the good news for us Europeans is that the frequency is currently being heard here also. I can pick it up most nights, and often with a strong enough signal to enjoy the programming (albeit that I have to record the frequency and playback at a more convenient hour). It has been great to be able to finally hear **Marion's Attic** and **Behavior Night** on shortwave, along with a fine range of other programming. All this is with thanks to Alan & Angela Weiner for donating the airtime, and Bill Tilford for curating the program line-up. Here is the current schedule (with all days mentioned in UTC), *but note that these programs are*

*originally scheduled the preceding day in EDT time for the Americas, so for example "Thursday Week 1 UTC" below actually means the "Thursday following the first Wednesday of the month".*

### Monday

0200 *Wkly* - **WBCQ Concert Hall** (2-hour pgm) - Long-form classical (opera, symphony)

### Tuesday

0200 *Wkly* - **Marion's Attic** - Late 19th-early 20th Century recordings.

0300 *Wk:1,3* - **Bluegrass State of Mind** (WBCQ Archival Show) - Bluegrass music

0300 *Wk:2,4,5\** - **The Roots of Country** - Bluegrass, including new releases

### Wednesday

0200 *Wk:1,2,3,4* - **Behavior Night** - Early 20th Century US Jazz and Swing

0200 *Wk:5\** - **WBCQ Open Mic** - Listener's submissions & other varied content

0300 *Wkly* - **Jetzt Geht's Los!** (Here We Go!) - Early 20th Century German Jazz, Swing

### Thursday

0200 *Wk:1,3* - **Scorched Earth Radio** - Brand new recordings, multiple genres

0200 *Wk:2* - **Tom Call Theater** - Radio Plays

0200 *Wk:4* - **Radio New Music** - New original music

0200 *Wk:5\** - **WBCQ Open Mic/Watch This Space** - Listener's submissions, varied content

0300 *Wk:1* - **Canadian Content R** - CA bands & other music with a Canadian connection

0300 *Wk:2* - **Far Out East** - Funk, Fusion, Jazz, Rock from Eastern Europe to Japan

0300 *Wk:3* - **Radio Maria Bonita** - In Spanish: music from all over Mexico

0300 *Wk:4* - **Finn Folk** - Trad. & contemporary folk from Finland & occasionally elsewhere

0300 *Wk:5\** - **WBCQ Polka Party** - polka, waltzes

### Friday

0200 *Wkly* - **Rock Wave** - rock music

0300 *Wk:1,3* - **Scorched Earth Radio** - repeats

0300 *Wk:2,4,5\** - **Watch This Space** - Repeats of other shows (with priority to any broadcasts from the prior week that had poor propagation conditions)

### Saturday

0200 *Wkly* - Rpts of programs first aired Thu 0300

0300 *Wkly* - **From The Isle of Music** - Music from Cuba and Cubans abroad

0400 *Wkly* - **Glenn Hauser's World of Radio**

### Sunday

0200 *Wkly* - **Ginga Brasil** ("Jeengah") - Music from Brazil

0300 *Wkly* - **Uncle Bill's Melting Pot** - Music & comedy from the planet Earth

Reception here in the UK is proving relatively good (despite the occasional CODAR bursts), and I have been recording the slot overnight some nights for later playback. For example, reception of 4790 kHz on both 17 and 20 March allowed me to enjoy some great Central and South

American music. Firstly, **Maria Bonita** was heard at 0300UT on Thursday 17 March which kicked-off (if I'm not mistaken) with a few bars of the Mexican National Anthem followed by some enjoyable Mexican tunes, whilst on Sunday 20 March I enjoyed some Brazilian music in the program **Ginga Brasil** (presented by Julio Cesar Pereira). These two programs make great companions to **From The Isle of Music** which airs Saturdays at 0300 on **Radio Angela**.

Meanwhile on 21 March from 0200UT there was the two-hour program **WBCQ Concert Hall**. A regularly scheduled two-hour program of classical music is, I think, a first for shortwave: at least, I do not recall any such programming in my 45+ years of shortwave listening. Maybe in the early years of shortwave, perhaps in the 1930's there was some such programming? Does anyone know? Anyway, it was a delight to listen to the second part of Bizet's Carmen by the Parisian Opera Company (which started last week). For classical music fans. This is a wonderful companion to **Radio Tumbril's Encore Classical Music** heard via WRMI and Channel 292, and **Radio Romania International's** Romanian language service program **Radio Concert Season**.

On Thursday 24 March at 0300UT, right on my deadline for this column, I recorded and listened to the first edition of **FinnFolk** presented by Sauli Heikkilá. It was a most interesting program of traditional Finnish music with some interesting background explanatory information between tunes. This first edition started with songs on the fiddle, harmonica and accordion, and the whole program was very interesting and highly recommended.

**FinnFolk** is scheduled on the fourth Thursday of the month (or more accurately: the Thursday following the fourth

Wednesday) at 0300UT on 4790 kHz (so the next edition is 28 April).

Do make an effort to tune to the Radio Angela programming. There's such a great variety of music programs that there's almost certainly something of interest.

**Texas Radio Shortwave**

**Texas Radio Shortwave** continues to provide a great line-up of programming throughout 2022 - primarily featuring songs by Texas artists, or about Texas, or music performed at Texas venues. There are also occasional specials featuring including a variety of music genres and artists including non-Texans and topical themes.

**TRSW** airs as follows:

- WRMI weekly on Saturdays at 2300\*, and Sundays at 0000 and 0100 on 5950 kHz., and occasional specials at other times and/or frequencies, such as 5800 and 9395 kHz.
- Channel 292 on the third Saturday of month at 0900 on 6070 kHz, and at 1800 on 3955 kHz.

- WBCQ on the last Sunday of the month at 0200 on 6160 kHz

Here is what is coming up over the next three months (and is subject to change). I'll update this schedule in this column every other month detailing the upcoming three months programs. The Music on Shortwave list (due in mid-April for the new A-22 broadcast season) will include the latest schedule for the whole of the A-22 season.

**WRMI: Saturday 2300UT on 5950 kHz:**

\*Weekly: Repeat (or Encore) presentation of a previously aired program. *This is a temporary airing by WRMI which may be replaced by other paid programming at any time.*

**WRMI: Sunday 0000UT on 5950 kHz:**

- 3 Apr: Howdy Neighbor! – Louisiana
- 10 Apr: Howdy Neighbor! – Arkansas
- 17 Apr: Howdy Neighbor! – Oklahoma
- 24 Apr: Howdy Neighbor! - New Mexico
- 1 May: 50th Kerrville Folk Festival - **Week 1**
- 8 May: 50th Kerrville Folk Festival - **Week 2**
- 15 May: 2022 Conroe Xroads Music Fest-**Wk1**
- 22 May: 2022Conroe Xroads Music Fest-**Wk2**
- 29 May: Fifth Sunday Special: Meat Loaf
- 5,12 June: Roger Miller Music Special
- 19,26 June: Texas Reggae
- 3,10 July: On-Stage: Luckenbach Dance Hall

**WRMI: Sunday 0100UT on 5950 kHz:**

- 3,10,17,24 Apr: Jerry Jeff Walker Mostly Live
- 1,8 May: (Dixie) Chicks Music
- 15,22 May: {--to be confirmed--}

- 29 May: Fifth Sunday Special: ZZ Top Music
- 5,12 June: Bob Wills & Texas Playboys
- 19,26 June: {--to be confirmed--}
- 3,10 July: Clarence "Gatemouth" Brown

***WBCQ: Sunday 0200UT on 6160 kHz***

- 24 Apr: Jerry Jeff Walker – Mostly Live
- 22 May: (Dixie) Chicks Music
- 26 Jun: Bob Wills & Texas Playboys

***WRMI: Friday 6 May 0200UT on 5800 kHz***

6 May: Cinco de Mayo (*Encore presentation*)

***WRMI: Mon 20 June 0200UT on 9395 kHz***

20 June: Juneteenth (*Encore presentation*)

***Channel 292: Saturday 0900UT on 6070 kHz***

- 16 Apr: Jerry Jeff Walker – Mostly live
- 21 May: (Dixie) Chicks Music
- 18 June: Bob Wills & His Texas Playboys

***Channel 292: Saturday 1800UT on 3955 kHz***

- 16 Apr: Jerry Jeff Walker – Mostly live
- 21 May: 2022Conroe Xroads Music Fest-*Wk2*
- 18 June: Texas Reggae Special

A reminder that TRSW has a great selection of eQSLs, such as the ones pictured which will be for the *Jerry Jeff Walker Music* and the *Howdy Neighbor! – Arkansas* specials in early April.

Incidentally, I very much enjoyed the TRSW program on 19 March via Channel 292 at 1800UT on 3955 kHz. My knowledge of C&W is very poor, so Gary P Nunn is yet another

artist that I know nothing of, so the music was all new to me. There was an interesting comment in a recent CIDX club zoom meeting about listeners missing the presenter chat between songs. Some background information would be useful, but I'm not sure that I miss the lack of it in the TRSW programming. It's a little different in the case of stations/programs playing 1960's "Golden Oldies" - there are so many such programs around that the USP (Unique Selling Point - and sorry for the Corporate-Speak!) is the presenter personality and the background stories that they bring to the program. For TRSW, I feel that the USP of the station is the music itself as there is little else around playing such music. I do appreciate the announcement of the song titles, however, as these are otherwise not usually apparent by just listening to the music. Almost all TRSW programs are themed in some way, and I certainly appreciate the advance program information, such as that which is detailed above.

**VORW Radio International**

It is a pleasure to once again be able to listen to John of ***VORW Radio International*** at a European-friendly time with broadcasts now scheduled via **Channel 292**, Rohrbach, Germany on 6070 kHz.

I caught the program on Tuesday 22 March at 0700UT, and it made for pleasant listening over my breakfast coffee. As is customary now, John presented a 15-minute news roundup of the terrible events in Ukraine and then played listener-request tracks for the remainder of the hour, including well-known tracks such as Big Sleep by Simple Minds, Blackbird by The Beatles and Ring of Fire by Johnny Cash, and less well-known (to me, at least) such as A Brand New Wayo by Mixed Grill and Milk by Sweet Trip.

**VORW R Int** is scheduled for the A-22 season on 6070 kHz via **Channel 292** (Rohrbach, Germany) on Mondays at 1200, Tuesdays at 0600 and Wednesdays at 1900UT. These are all additional to the existing transmissions via **WRMI** and **WWCR** (USA). (Times and frequencies for these broadcasts will be in the Music on Shortwave list due in Mid-April).

### Frederick Moe's 'Imaginary Stations' (WRMI)



Sunday 20<sup>th</sup> March 2022  
1800 EST/2200 UTC 9395 kHz via WRMI

On Sunday 20 March at 2200UT, I came across **KSOL Radio** on 15770 kHz.

This program is one of Fred Moe's 'Imaginary Stations' which airs, since mid-March, at this time on 9395 kHz only, via WRMI, USA. Today, it seems that it was also aired in parallel on 15770 kHz. I had previously corresponded with Fred via Facebook Messenger and he

updated me about the program saying that the 'Imaginary Stations' are produced by himself and the crew of Free Radio Skybird. Each program has a theme, for example **KMRT** is KMart Radio, and **CTRN** is music about railroads and so on. The projects don't have a specific name but I have collectively called them Imaginary Stations.

The program today was KSOL "the sound of Sunshine and Soul on Shortwave". It was a very enjoyable program of chill-out tunes.

I asked Fred about the transmission, and he hadn't been aware that KSOL was going to be

aired also on 15770 kHz. So, it looks like a bonus airing arranged by Jeff White. As 9395 kHz is not audible here, I hope that this bonus airing will continue for some time on 15770 kHz for these imaginative imaginary stations!

### KBS World Radio

I have found listening to the English service of **KBS World Radio** something of a challenge for some time (since they discontinued their use of relays via European transmitters, at least for English as they do continue for French and German programming).

However, reception over recent days has been improving for their 9515 kHz transmission from 1500-1700UT. I listened in to their **Korea 24** program on March 23 (from 1620UT tune-in) which included a long report on the used car market in South Korea followed by a "Trending Stories" segment covering: search and rescue efforts in China following a plane crash, a woman fined for killing her husband's dog by throwing it out of a window and an item about the conservation treatment of three items. Next was Korea Book Club, discussing an English translation of the novel "Love in the Big City" (one of the two Korean books longlisted for the 2022 International Booker prize). Finally, a look ahead to two stories in tomorrow's Korea Times (covering a father/daughter cellist duo coming to Korea to perform recitals in April/May and a forthcoming Louis Vuitton suitcase exhibition).

**Korea 24** is an informative weekday (Monday to Friday) news magazine style current affairs program, and well-worth listening to for news about, and from, South Korea. Weekly segments include: *Touch Base in Seoul* (Tuesdays, with different studio guests each week); *Korea Book Club*

(Wednesdays, with discussions about notable Korean literature); *Explore Korea* (Thursdays, with tips on where to go and what to do in Korea) and *Movie Spotlight* (Fridays, with the latest releases at the Korean box office).

Korea 24 is scheduled Monday to Friday at 1510-1600UT on 9630 kHz and 1610-1700UT on 9515 kHz.

Until next time, 73, Alan

# International Broadcasting

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## A ferocious war of words

We are witnessing a ferocious war of words, involving information, misinformation, disinformation and pure guff. The level of combat is fierce. In this war, there is a stronger side and a weaker side, with the weaker side facing elimination.

I am, of course, referring to the internecine conflict between the internet bureaucracy and the radio bureaucracy, within the U.S. international broadcasting bureaucracy. Hell hath no fury like the rhetorical struggle between two government subdivisions vying for budget, staff and political support. Similar confrontations seem to be taking place in the international broadcasting organizations of the friendly Western seeking to find ways to convey uncensored news and information to Ukraine and Russia.

The internet bureaucracies are, of course, winning. In the past couple of decades, audiences have migrated to internet-based media, now especially social media via mobile devices. Very popular and fashionable. Radio, on the other hand, is old and outmoded -- amplitude-modulated analog radio in particular.

In my previous column, I predicted the invasion of Ukraine would be first post-

shortwave war. Largely that has proven correct. BBC World Service added some shortwave to the region, as prominently reported in news accounts (e.g. [nyti.ms/3Iv0y8D](http://nyti.ms/3Iv0y8D)). (A “publicity stunt” according to a USAGM official.) It’s all in English. There was talk of a half hour of BBC Russian on shortwave, but apparently that never happened. BBC Russian had become accustomed to its mostly-text internet delivery, so perhaps finding radio talent, and a radio studio, to produce a set-piece international radio broadcast reminiscent of decades past, is a bridge too far.

Austrian public broadcaster ÖRF added some shortwave to Ukraine and Russia – in German. Vatican Radio expanded its shortwave output in, appropriately, Ukrainian and Russian. But, as of this typing, that seems to be the extent of shortwave expansions by the major international broadcasters.

There have been some more creative uses of shortwave by the new crop of low powered shortwave stations in western Europe. A transmitter in the Netherlands on 6140 kHz has been transmitting the audio portion of a Ukrainian public television station. Radio HCJB Deutschland has been broadcasting

“around the clock” on 7365 kHz from Germany. But as these are low powered transmitters, they generally lack the oomph to reach Ukraine and Russia with a comfortably audible signal.

## **USAGM remains anti-radio**

The U.S. Agency for Global Media (USAGM) and its entities RFE/RL and VOA remain (as of this writing) officially and steadfastly pro-internet and anti-radio. They are confident that the internet audience in Russia, at least, is bigger than ever, thanks to circumvention tools such as VPNs and Tor. They cite internet metrics rising for the USAGM Russian services. But how many of these users of USAGM Russian are from within Russia? The invasion probably resulted in increased access by the Russian diaspora, which could make up for lost users in Russia due to Kremlin restrictions on the internet.

The real irony here is that USAGM has the transmitters to reach Ukraine and Russia. The old RFE and RL transmitters at Lampertheim and Biblis, Germany, and the USAGM transmitters in Kuwait and North Carolina, would do a good job of reaching the region. A 24-hour audio stream of RFE/RL Russian (Radio Svoboda) is ready to put on shortwave. On the other hand, VOA Russian and Ukrainian have no convenient audio products to put on shortwave.

RFE/RL’s remaining resource to reach Russia by radio is the Baltic Waves medium wave transmitter in Lithuania. It is used for Radio Svoboda at 1800-2100 UTC, or 2100 to midnight in Moscow.

And then there is Shortwaves for Freedom ([fundrazr.com/radiowaves](http://fundrazr.com/radiowaves)). A group of U.S. citizens is crowdfunding the purchase of time on shortwave facilities to deliver VOA and RFE/RL content to Ukraine and Russia.

The idea is if USAGM won’t do it, concerned Americans will. WRMI in Florida is one of the sites used. The other site is undisclosed but DXers can figure it out.

Here is the schedule as of this writing (but expect changes):

0200-0300 UTC 7730\* kHz Radio Svoboda (Russian)

0400-0500 UTC 7730\* kHz Radio Svoboda (Russian)

1800-1900 UTC 1395 kHz (MW) Radio Svoboda (Russian)

1900-2000 UTC 9370 kHz Radio Svoboda (Russian)

1930-2000 UTC M-F 15770\* kHz VOA Flashpoint Ukraine (English)

\* WRMI Florida

## **Shortwave 2.0**

In a recent Twitter thread at @kaedotcom ([bit.ly/3ivyc5c](https://bit.ly/3ivyc5c)) I pieced together some arguments for the internet and against shortwave for reaching Ukraine and Russia. Euromaiden Press passed on (in English) a report from RFE/RL (in Russian) about recent surveys in Russia: “22% of Russians listen to the radio for news, and only 1% of respondents have access to information on shortwave. The use of VPN for news of the “military operation,” according to the authors of the study, is 5.5%. Of those who use the Internet to learn about the war, 37% do not know what a VPN is. 11% of respondents use YouTube, and 7% use the Telegram messenger.”

I responded: “In ‘Shortwave 2.0’ the direct audience is not large. The small, influential audience passes the information to the

larger population. So 1% is not bad. Especially as the percent of Russians who can successfully access the uncensored internet declines."

Next in the thread was this from Axios: "While old-school circumvention methods like short-wave radio are being reintroduced, journalists trying to break through Russia's iron curtain for media argue sophisticated digital techniques can often be more effective and efficient."

On the ropes, I replied again: "And when 'sophisticated digital techniques' don't work because, for instance, the landlines that bring in internet traffic have physically been cut, this will send content from country A to just about any country B" – with a link to a video of a giant log periodic antenna being turned.

So this is our situation: In Russia, the internet is increasingly squeezed and its

internet may be cut off, or virtually so, from the rest of the world. In unoccupied Ukraine, the internet is not being censored but obliterated by loss of infrastructure due to the invasion.

In a harrowing AP report from Mariupol, Ukraine ([bit.ly/3Jxj2by](https://bit.ly/3Jxj2by)): "One bomb at a time, the Russians cut electricity, water, food supplies and finally, crucially, the cell phone, radio and television towers. ... By this time, no Ukrainian radio or TV signal was working in Mariupol. The only radio you could catch broadcast twisted Russian lies ... We went up to the 7th floor to send the video from the tenuous Internet link."

Seems like a situation where shortwave could be useful.

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

# Shortwave Center

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## SHORTWAVE RECEPTION

### Solving a Shortwave Interference Problem

By Greg Majewski

I got back in the hobby about a half year ago. A friend suggested that I get and use a software defined radio (SDR). I did my research and got the **AirSpy HF + Discovery** to use with my laptop. It worked great with a 50-foot end fed wire antenna. It was also nice to have a browser window open to check on HF Underground postings and shortwave broadcasting schedule information web sites.

The problem with was that it draws 300 milliamperes of current from the laptop current. This led to the laptop battery being discharged quickly and turning on the laptop charging supply wiped out signals from about 2 to 8 MHz with broad band white noise.

There seemed to be no easy fix.

I decided to try the same technology but in a small and independent device with an internal battery -- the **Malachite DSP SDR**. It worked but having the laptop charging supply on still wiped out the frequencies from 2 to 8 MHz. I used my small Android tablet for the web sites, but it was not optimum.

Over the course of a couple months, I did research and tried different things. I will share with you the ones that were successful.

I did check with a small portable radio to see if it could pick up the noise. It quickly confirmed that the laptop charging power supply was the source of the radiated interference. I also found that some four foot LED lights were a problem. The LED lights were not needed when I listen, so the solution was to turn them off.

Another noise source was the common replacement LED lights. The non-dimmable version produces less noise than the dimmable version. I found several in the listening room. I have replaced them with the non-dimmable version, which are less costly.

The end fed wire antenna feed point was about 10 feet from the laptop charging supply. I found out that an end fed wire antenna results in the coaxial cable feed line becoming part of the antenna. Several YouTube sources and a posting in **HF Underground** recommended the use of a choke or current BALUN to control RF problems with transmitting equipment.

A principal rule of antenna theory is the antenna works the same receiving as transmitting. I have some clamp-on 9 mm inner diameter ferrite cores. After several tries, I put four of them at the receiving

equipment end of the feed line to make a choke balun.

With the Malachite, this was a good improvement, but, for the AirSpy, there was no change. Disconnecting the AirSpy antenna cable from my antenna switch allowed the Malachite to operate with only minor interference from the laptop charging supply. This indicated the AirSpy SDR cables were part of the problem.

I ordered a package of 20 different size cores at low price (about \$12) and a round power cord for the laptop charging supply from eBay. The reason for the round power cord is with its twisted conductors it has more capacitance between the conductors. This helps to attenuate the noise coming back into the power line from the supply. Additionally, twisting of the conductors reduces the radiation from the cord. The main reason for more common flat cord is it uses less copper and is, therefore, cheaper.

I got the round power cord first and added a ferrite core (9 mm) to it at the charging supply end. I tried it out and got a minor improvement, but not a fix.

The package of 20 cores arrived. I placed two cores (3mm) on the AirSpy antenna cable. This did nothing at all. I have just left them on. I did a little experiment. I disconnected the AirSpy antenna cable from the antenna switch and terminated the cable in a 50-ohm load. I found the antenna cable was not picking up the noise.

But, touching the antenna lead connector to the antenna switch resulted in the noise increasing in both receivers. This pointed to the fact that the AirSpy ground, which runs through the USB cable, had to be part of the problem.

The USB cable that comes with the AirSpy already has two ferrite cores on it. It is also too long for me. I coiled it up into a three turn coil about 3 inches in diameter. I added two additional ferrite cores (13 mm) over the three turns and two cable ties to keep the turns tightly together. Figure 1 shows the modified cable.



Figure 1

I tried this and was surprised. It was a good improvement. The noise was reduced to a small level. The noise floor would go up only 3 to 6 dB. I was happy camper...er, listener!

I really dislike electromagnetic interference (EMI) problems. They have a way of coming back. This one came back.

The next day after I thought I had the solution. I found I was wrong. When I was doing the testing, the laptop battery was fully charged (100%). When I tried it the next day, the laptop battery dropped to 90% capacity and the charger power supply was off. I turned on the supply and the noise was back.

The charger power supply had two modes of operation -- quick charge and trickle charge. All the previous testing was with the charger in trickle charge. There was only one cable left, namely the one from the charging supply to the laptop.

The output cable was larger than the USB cable. I looked through my radio stuff. (The same items that my beloved bride keeps telling me, it needs to be downsized.) I found a nice large core -- 1.5 inch cube with a 13 mm hole. I also had a small core with a 13 mm hole. I wound the output cable into a five-turn loop and managed to get three of turns into the smaller core and four turns into larger core.

Figure 2 shows both power supply cables with the ferrite cores.



Figure 2

After additional testing, I found the noise was down to acceptable levels from 5 to 8 MHz. It was never a problem above 8 MHz. However below 5 MHz, the noise level increases. It was reduced but not eliminated.

The cores I have been using have an unknown type of ferrite mixture. I suspect the material is better for HF/VHF band. You use what you got or start spending money to solve the problem.

Using hindsight on this journey, I would say I should have first done the charging power supply cables (AC power input and DC power output). After that one, the USB cable should have gotten the ferrite cores. Lastly, I should have looked at the available

reference material for correct placement of the choke balun and save some time.

The best solution for me is to only use the AirSpy for listening with the laptop battery

fully charged and with the charger power supply on. This way the charger power supply never goes into the higher current quick charge mode. I hope this is a help to others.

## SHORTWAVE RECEIVERS

### Crossover Radios

By David Harris davidharris@bdxc.org.uk  
(British DX Club)

I have been using the **Tecsun PL-990x** for the last few weeks and am very impressed by its performance on all bands. In fact, this radio can be seen as having near communication receiver performance.

There no longer appears to be any new entry level conventional communication receiver on the market. The cheapest now seems to be the **Elad FDM Duo-r** (£760). The **Alinco DX-R8E** and **AOR 8600** and are all apparently discontinued or out of stock in the UK. [Perhaps there is less demand because many DXers have replaced tabletop communications receivers with SDRs - software defined radios? - ed]

Over the last few years world band radios have really upped their game and are filling the gap in the market left by the demise of entry level communication receivers. In fact, I would see this new breed of radio as being a "Cross-over Radio" - world band size and convenience but with communication receiver performance.

The communications receiver was once a very distinct piece of equipment. It would be very large, heavy, mains-operated and designed for military or professional use. During the Second World War huge numbers of such radios were produced for the military by firms like **Collins**, **Drake**, **Hallicrafters**, **Hammerlund** and **RCA**. These radios became

available to DXers from the 1950s onwards when they were surplus to military use.

From the 1960s we began to see the emergence of communications receivers built for the hobbyist rather than the professional. Models by **JRC**, **AOR**, **Icom**, **Low**, **Kenwood** and **Yaesu** became highly desirable and still command good prices on eBay. Communications receivers usually had full spectrum coverage from 100 KHz to 30 MHz, SSB, variable selectivity, good sensitivity, and would need an external antenna.

The invention of the transistor led to the rise of the world band radio. These radios have the following characteristics which differentiates them from Communications Receivers: portability, built-in loudspeaker, battery/mains operation, built-in telescopic aerial, FM/LW/MW band coverage and SW Broadcast band coverage if not the full SW spectrum. Later World Band radios may also have SSB capability and full spectrum coverage. A real World Band radio would have good sensitivity and selectivity and be able to receive more than just interference.

I believe that one of the first manufacturers of world band radios was the American company **Zenith**. Their first portable (valve) version, **7G605**, came out in 1942. You can see this radio at Bognor Regis museum



(photo). Later **Zenith** models were branded as **Trans-Oceanic** with the final model **R7000-2** ceasing production in 1981. Their radios were very expensive and advertised in magazines like *National Geographic* alongside Rolex watches and Cadillac cars.

The most famous of all world band radios were the **Grundig Satellit** range which began in 1964 with the **205** and ended in 2000 with the **800** model. [Actually, the 800 was produced by **Eton** but carried the Grundig name to which the company had purchased the North American rights. The Grundig AG line of Satellits actually ended with the 700.] The website [www.classic-worldband.com](http://www.classic-worldband.com) has pictures and specifications for all these wonderful radios.

I had the 201 model when I was at sea in the early 1970s. Grundig went out of business in 2004. The **Tecsun S-2000** (sold in some markets as a **Grundig 750**) can be seen as a homage to the Satellit. Enthusiasts rate the **650** (made between 1986 -1991) as one of the best world band radios ever. A second-hand model was recently offered for sale by a UK radio dealer for £449. eBay usually has many examples of Grundig Satellits for sale, with prices in the range £100 - £250.

Other world band radios manufacturers included **Sony**, **Sangean**, **Nordmende**, **Phillips** and **Panasonic**. Sony offered some very fine radios including **CRF-320A**, **CRF-330K** and **CRF-V21**. These radios were made

between 1976 and 1989 and sold for from \$1500 - \$3500. They were large, high spec radios which were portable and perhaps the first example of crossover radios. **Panasonic** produced the RF range of radios in the 1970s and 80s. They were priced from \$300 - \$500. The top of the range model was the **RF-9000** which sold for \$3000 in the early 1980s.

In the last few years, we have seen the demise of entry level communication receivers with firms like **JRC**, **Kenwood**, **Yaesu**, **Icom** and **Low** no longer offering such models. **Realistic/Radio Shack** went out of business in 1998 although their **DX 394** is still popular on eBay with a model recently selling for £137.

The "crossover radio", a world band radio with communication receiver characteristics has been developing over the last decade, led by **Tecsun**. The **PL-990X** which was launched in 2020 can tune in 10 Hz increments, a facility only top end communications receivers could previously offer. It also has a wide range of bandwidths from 0.5-4 (SSB), 2.3-6 (SW) and 2.3-9 MW/LW. Again, only a very expensive communications receiver would have these specifications.

I have been using my Tecsun alongside my **Alinco DX R8E** (now discontinued but was selling for £470). I have connected them both up to a longwire aerial using a 2-way switching unit. I have tested them on MW and SW at various times and found that the Alinco does have the edge, but only just. It is only when you start listening to radio amateurs that the Alinco really stands out; but then it should as it is a receive-only version of the **DX SR8** transceiver (also discontinued). I have not tested the new **Tecsun H-501x** (£330, launched in 2021) but this would appear to have similar or perhaps even better performance than the PL-990X.

The new **Sangean ATS-909X2** (£215) also seems to be a "crossover radio" with excellent performance. I feel that Sangean have better ergonomics than Tecsun radios, but that is a purely subjective judgement.

Personally, I am pleased that the would-be DXer can enter our fine hobby for a fairly modest outlay. I have been looking at back copies of **ShortWave Magazine**. The February 1988 edition offered the **Sony ICF 2001D** for £329 and the **Lowe HF125** for £375. If money was tight then Curry's were offering the **Matsui MR4099** (a rebadged

Sangean) for £100. The cheapest entry level radio was the Russian **Vega Selena 215** for £43.

<https://worldradiohistory.com/UK/ShortWave-UK>

Today one can buy the very competent **XHData D808** for around £80 and can upgrade to Tecsun PL-990X or perhaps the Sangean ATS-909x2 for under £300.

Shortwave broadcasting may be in decline but the price of entry to DXing has never been so relatively inexpensive.

## SHORTWAVE MYSTERY

### Who's behind the Buzzer? The chilling mystery of Russia's 'ghost' radio station

Is it sending messages to sleeper agents? Broadcasting to the military?  
Or simply pumping out static? In search of the truth about UVB-76

By Alex Diggins 11 March 2022

The Telegraph, London UK

Usually it's just a slur of static. But occasionally there is a barrage of apparently random Russian words and numbers: "Ya UVB-76, Ya UVB-76. 180 08 BROMAL 74 27 99 14. Boris, Roman, Olga, Mikhail, Anna, Larisa. 7 4 2 7 9 9 1 4." Then it subsides into the same eerie two-tone drone.

The shortwave radio station UVB-76 - otherwise known as "the Buzzer" - has baffled and chilled shortwave enthusiasts since it was first detected in the early 1980s. Is it part of Russia's vast military intelligence web? Or a "numbers station", broadcasting coded messages to sleeper agents deep in the field? Could it even be evidence of Russia's "Dead Hand" nuclear deterrent? When it stops, do the nukes start?

On January 21, as Putin's forces massed on the Ukrainian border, the Buzzer blared to

life. "Heeey, sexy ladies, wop, wop, wop, Gangnam Style," it sang out in Korean-accented English. PSY's K-Pop mega-hit wasn't the only curious broadcast. Analysts monitoring the station using spectrum analysers saw the "waterfall" - the radio frequency's visual display - transform into images of wolves, anonymous masks, and the trollface meme.

It also had a message for the Russian President: "F\_\_\_ you, Putin," the waterfall cheerily read. The Buzzer had been jammed; one of the Cold War's most enduring mysteries had become the latest front in hacktivists' war against the Russian state.

It wasn't not the only piece of infrastructure to be targeted. Russian military radio channels played the Ukrainian national anthem, and Anonymous took over Russian

state TV to broadcast footage of the invasion. Even the **BBC** got in on the act. On March 2, it announced that the **World Service** would be available on shortwave radio inside Russia after the Kremlin moved to block Western media. It's a move which recalled the Cold War heyday of **Voice of America**, when NATO and the USSR volleyed propaganda across the Iron Curtain.

Well I didn't expect to see this today....  
UVB-76 4625KHz frequency being used by  
a pirate station.

[pic.twitter.com/E8aYzJ10xt](https://pic.twitter.com/E8aYzJ10xt) -- RedFox0x20 -  
M7TWS - OARC#4862 x5862 (@RedFox0x20)  
January 17, 2022

"There have been transmissions of music on the Buzzer's frequency which, based on the signal strength, can only come from the US not Europe," says Chris Smolinski, a shortwave radio expert who has been studying the field since the 1970s. "Some Americans are getting in on it, so this is obviously a worldwide phenomenon."

Shortwave radio is the part of the radio spectrum which sits between 3 and 30Mhz, above mediumwave and below FM. It is useful because its frequencies have a unique property: they bounce off the ionosphere, a layer of the atmosphere. This means one transmission can skitter around the world.

"Rather than radio waves being absorbed after 100 miles or so, they can be heard anywhere," explains Smolinski. "So you could broadcast a message from the UK, and it could be heard halfway around the globe."

And anyone with a simple handset can pick up the message. Developed during the First World War, shortwave radio came into its own as an espionage tool during the Cold War. Yet its origins in spycraft go back to the 1920s, and a notorious organization called

The All-Russian Co-operative Society (Arcos). Arcos claimed to be a trade delegation between the British government and the early Soviet Union. But it became clear that they were in the business of trading secrets, rather than tractor parts.

This was revealed in 1925 when a British SIS agent tailed a suspect, Walter Dale, from Arcos's offices to the headquarters of Federated Press, a Communist-controlled newspaper which, the authorities knew, was a front for subversive left-wing activity. The SIS began to monitor Arcos's communications until, two years later, they passed their evidence over to MI5. The intelligence agency struck on March 31, raiding the Arcos offices with a large force of plainclothes policemen and agents.

They burst in on an incriminating sight. The basement of the building had been rigged with anti-intruder devices, and Arcos employees were hastily shoveling documents into the furnace.

Further exploration revealed a secret room with no door handle, and ciphers for decoding messages to agents in the field. The jig was up.

After the Arcos debacle, the Soviets realized they needed a better method of communicating with their agents. So they invented an ingenious form of encryption: the person sending the message generates a random key - "a one-time pad" - which is shared only with the person receiving it. A message, then, could be broadcast over shortwave radio with impunity. They might be intercepted - but unless they had the pad, the receiver will be none the wiser.

By the height of the Cold War, this system was widespread among Soviet and Allied intelligence agencies. So-called "Numbers stations" broadcast seemingly meaningless

strings of words and numbers - yet agents could decode these messages with their one-time pads, receiving their orders from deep within enemy territory. These codebooks were often printed on water-soluble or flammable material so they could be swiftly disposed of; thrifty Russian medics even used them as toilet paper in hospitals in East Germany.

At first, the authorities refused to discuss the existence of "numbers stations". But during the 1980s, ham radio operators who had stumbled on them began to share theories and classify them. There was the "Lincolnshire Poacher", named after the snatch of folk tune which would play every hour before an upper-class female English voice read groups of five numbers. Another was designated "Squeaky wheel" after its signature sound. A third became "The Pip".

Interesting waterfall art on top of the Buzzer (UVB-76) this evening!

[pic.twitter.com/6BDGrVV2DR](https://pic.twitter.com/6BDGrVV2DR) -- G7JTT (@G7Jtt) March 7, 2022

For these operators, huddled around their sets while disembodied messages emerged from the static, it was a formative experience. "You're listening and all of a sudden you come across a really strong signal," said Akin Fernandez, a sonic artist who later released a five-disc set of number stations recordings as the Conet Project. "It's the most chilling thing you've ever heard in your life. These signals are going everywhere and they could be for anything. There's nothing like it."

The numbers stations still chill. But they are no longer so mysterious. In 1987, "Havana Moon" - the pseudonym for an ex-US intelligence operative William T Godbey - published the first comprehensive study of the stations. He and fellow enthusiasts, who

coordinated with newsletters such as **Monitoring Times**, and later via rudimentary chat rooms on dial-up modems, mapped out their reach - and where they were broadcast from. "The Lincolnshire Poacher", for instance, was traced to Bletchley Park, though it later moved to RAF Akrotiri in Cyprus. In 2008, it ceased transmission. Today, anyone can track them online. There is even a live YouTube stream of the Buzzer.

But is the Buzzer a numbers station? Smolinski doesn't think so. "It's essentially a frequency used by the Russian military to send messages. As for the buzzing itself, I believe it's a channel marker - it keeps the frequency open. It doesn't convey any information itself. The Russian military keeps the frequency occupied so no-one else uses it, and the recipients of the message can verify the signal."

That signal has been traced to several locations. For decades, the Buzzer was believed to broadcast from Povarovo, a small garrison town about 60km north of Moscow. In fact, in 2013 a Reddit user by the name of Bottlebob32 claimed to have broken into the compound where it was transmitted. In an AMA, they described discovering a log-book which detailed its codes, as well as an underground bunker where they "were hit with a very vile chemical smell". Accompanying images show abandoned military hardware, overgrown and decaying buildings - and an ominous-looking tunnel.

The Buzzer, though, has moved. Internet sleuths have deduced its signal now comes from St Petersburg's 60th Communications Hub, and is relayed from a transmitter in Naro-Fominsk, outside Moscow, and possibly others. But could it be something more sinister than a simple numbers station?

Some argue that the Buzzer is, in fact, part of Russia's "Dead Hand" nuclear deterrent. Understandably secretive, the "Dead Hand" system was developed by the Soviets in the 1980s as a fail-deadly response to the proliferation of nuclear weapons. If the USSR was attacked, it would launch a retaliatory ICBM strike, triggered if seismic, light, or radioactivity sensors perceived an impact. Or if a certain radio station stopped broadcasting.

"I don't buy it," explains Smolinski. "For the simple reason that it doesn't seem very safe. I don't think it's plausible that the Russian government would set their nuclear weapons system on a 40-year-old radio transmitter."

But there is more compelling evidence against this theory: the Buzzer has gone off-air twice before. And, so far, nuclear Armageddon hasn't been forthcoming. In fact, the use of shortwave radio for secretive purposes in general looks a little outdated. Russian agents, for instance, may have been made chary by the fate of their Cuban counterparts. In 2001, the Wasp Network of Cuban agents was busted after messages broadcast from a numbers station instructing them to infiltrate the local American air force base were decoded.

The Cubans had become sloppy: one-time pads were stored in hidden compartments on

the agents' hard drives, and the location of the numbers station was traced back to the same building as **Radio Havana Cuba**. This blundering was revealed when the numbers station accidentally broadcast a snippet of audio from the Communist state's foremost international radio station.

Despite this, there are still active numbers stations. Russia and Cuba maintain a handful; even though the US and the UK long ceased theirs. Indeed, in 2016 North Korea's crackled into life again after a decades-long hiatus. Are we seeing a return to 100-year-old spycraft?

Smolinski isn't convinced. "Obviously the spies have gone to something else if the numbers stations are off the air," he says. "Besides, how many of the number stations were legitimate transmissions in the first place? After all, it's less expensive to transmit messages to nobody than it is to have all these agents in the field."

The Buzzer, though, had one last surprise. In 2013, it broadcast a sudden, unique message: "Command 135 issued." Command orders are special instructions to the entire Russian military. Best guess suggests this was a test, putting troops on alert. But for what? That remains to be seen.

## SHORTWAVE NEWS

### ABC Wants More Funding for Pacific Broadcasts

(Radioinfo Australia via Matt Francis)

ABC managing director David Anderson told a Senate Committee hearing last night that public broadcasters in the Pacific have raised concerns about Chinese government pressure to carry state-owned news content. The ABC

is lobbying to expand its operations in the Pacific and play a greater "soft diplomacy" role, as China increases its influence in the region. Across the Pacific there are many infrastructure projects funded by China that

give it leverage in many areas, including broadcasting.

The national broadcaster ended its shortwave Radio Australia transmissions in 2017 under managing director Michelle Guthrie, amidst warnings that shortwave radio was still important and that other countries would extend their influence in the Pacific in the absence of ABC Radio Australia signals on shortwave. In 2018, China extended its shortwave broadcasts into the region on the vacated ABC frequencies.

“For the ABC to have an expanded presence there is important, particularly with concerns, frankly, over the Chinese government,” Anderson told the Senate Committee. “The single biggest piece of information that comes back to us from them is concern over the pressure the Chinese government put on them to carry content to broadcast through the Pacific.”

The ABC also previously broadcast tv news bulletins into 46 nations including Indonesia and Papua New Guinea through the DFAT funded Australia TV Network, which was closed in 2014 after federal budget cuts.

## SHORTWAVE HISTORY

### Adrian Peterson’s Diary

#### The Radio Spectrum on the South Pacific Island of New Caledonia

Recent news reports from the South Pacific indicate that the local citizens on the French island with a Scottish name, New Caledonia, have opted not to proceed any further in the direction of obtaining their independence from the mother country, France, in continental Europe. The independence referendum was conducted throughout New Caledonia on Sunday, December 12 (2021),

Chinese President Xi Jinping has expanded the state-owned China Global Television Network in recent years, to “make the voice of China heard.” The ABC continues to broadcast in the Pacific region, but at a smaller scale than in previous years.

The ABC is currently lobbying the federal government for an additional \$12 million to support the expansion of broadcast services to the region again. In his opening statement to the Senate Estimates Committee, David Anderson also outlined the success of the national broadcaster in several areas: “The ABC is the leading Australian radio network with the highest reach and share of listening. “ABC News finished 2021 as the number one digital news brand in Australia with more than 63% of Australians connected with ABC News platforms.

“ABC iView was the number one Broadcast Video on Demand Service.”

Importantly, 78% of Australians trusted the information provided by the ABC, which is significantly higher than all other media institutions and information providers... In its 90th year the ABC is more relevant to Australians than ever...

and it was the third occasion in which the local citizenry have rejected independence and opted instead to retain their traditional ties with Metropolitan France. However, it should also be stated that a large segment of New Caledonian citizens would still prefer to exert their independence as a separate international political entity.

New Caledonia is a verdant tropical island with a quarter million population, and it lies close to a thousand miles off the east coast of Australia, and a thousand miles north of New Zealand. This French Overseas Territory is made up of more than 140 different islands, some 40 of which are inhabited. Two of those uninhabited islands, Hunter and Matthew, are also claimed by the neighboring island cluster of Vanuatu, though both are uninhabited.

In our radio topic for today, The Radio Spectrum on the South Pacific Island of New Caledonia, we take each cluster of stations in chronological order, and we begin with their communication stations. It was in 1920 that their first communication station was installed in Noumea, the national capital, and it was allocated the French callsign **FQN**.

Other subsequent callsigns have been **HZG**, **FZN** and **FJP**. Their usage of callsigns would seem to indicate that their various forms of international and local radio communication all emanate from the one combined shortwave communication station, which is located near Noumea.

Amateur radio has featured prominently in New Caledonia, and the best known early Ham was Charles Graveau, who operated under the callsign FK8AA. For a period of seven years beginning in 1937 and into the era of World War II, FK8AA was on the air with radio programming for the benefit of local listeners.

Many international radio monitors in New Zealand and Australia, and a few beyond, were successful in receiving a QSL card verifying their reception of radio programming from FK8AA. Over the years, New Caledonia is represented by several amateur radio operators, and also occasional amateur radio DXpeditions are staged in their territories.

A government operated broadcasting service was established in Noumea during the early part of the European War, and it was first noted on air in both New Zealand and Australia in 1940. This new program service operated in parallel on both mediumwave and shortwave, 558 kHz and 6122 kHz, under the communication callsign FJP.

Work began on the construction of a totally new radio broadcasting station in 1968 with studios in an outer suburban area of Noumea at Rue Guynemer, and with transmitters on two of the Ste. Marie Islands in Noumea Harbor. The shortwave transmitters were installed near Antenna Bay on the largest island, Ste. Marie, and the mediumwave transmitters were installed on the smallest island, Uere Island.

Two additional regional mediumwave transmitters were also on the air in New Caledonia, both of which were installed near the middle of their main island, Grand Terre. One mediumwave transmitter, with 4 kW on 1260 kHz, was sited on the summit of Mt. Aoupinie in the mid-1980s, and the other with 5 kW on 729 kHz was sited at Toupo, on the east coast of the island, in the early part of this century. However the usage of shortwave was closed in 1994, and the usage of mediumwave was subsequently phased out in favor of nationwide FM coverage.

Interestingly, back in the year 1984, **RFI-Radio France International**, in Paris, gave serious consideration to building a large shortwave relay station on the island of New Caledonia. At the time, they were studying the feasibility of either building a large new shortwave relay station, or instead taking out a part time shortwave relay via the **SLBC-Sri Lanka Broadcasting Corporation**. However, as things worked out, neither option was taken up.

It was during the year 1942 that American forces began to flood into the South Pacific Islands, and at that stage, an American shortwave communication station was installed at Anse Vata, in suburban Noumea. That station was on the air as **WVJN**, with Morse Code communication to Brisbane, Australia and to California in the United States. On several occasions, **WVJN** was noted with the relay of programming beamed to the United States for nationwide broadcast over the continental mediumwave networks.

In 1943, the Australian Red Cross installed radio equipment in the International Red Cross Building in Noumea, and it was on the air with programming for the benefit of American service personnel. During the following year (1944), a new American mediumwave station was inaugurated in Noumea under the Mosquito Network callsign **WVUS**. Two years later again (1946), this station was removed from Noumea and reinstalled at the American Air Force base at Tontouta, 30 miles northwest of Noumea.

The National Broadcasting Service of New Zealand operated a Mobile Radio Unit in Noumea from April 1943 to August 1944, and it produced programming for local broadcast in New Caledonia and also for rebroadcast back home in New Zealand. During its year

and a half service in Noumea, this **NZNBS** radio unit also produced a daily program, the Kiwi Hour, which was broadcast by **Radio Noumea** on both mediumwave and shortwave.

Another regular program was prepared in Noumea under the title "With the Boys Overseas," and this was forwarded by plane to New Zealand twice weekly for rebroadcast over the **NZNBS** home service mediumwave network throughout New Zealand. In August 1944, their mobile radio equipment in Noumea was donated to **Radio Noumea**, and the personnel returned to their homeland, New Zealand.

For a couple of years, beginning in 1960, a locally produced program in the Ifira language was produced in Port Vila in the nearby New Hebrides islands. This program was beamed back to the New Hebrides from **Radio Noumea**, also on both mediumwave and shortwave, under the title Radio Kavelicolico.

During the 1980s, a French language program that was produced in the Paris studios of **Adventist World Radio** was broadcast from **Radio Noumea** on mediumwave (666 kHz) and on shortwave (3355 kHz and 7170 kHz), for which QSL cards were issued.

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



# The Robinson Report

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## USAGM: Alleged Spying and an Unauthorized Interview

There's been a lot of talk about the alleged "vital" role that shortwave radio is or can play in the Ukraine situation. I have been a die-hard SWL/DX'er since the late 1960s. More than 100 radios are scattered throughout my home. Do I wish there could be a shortwave revival? Absolutely. Will there be one? No.

Major broadcasters spent years killing off shortwave transmission capabilities. In 2022, thousands of receivers are not somehow sitting in attics in Ukraine and Russia, and other countries. DRM never lived up to the hype, though India and others invested in digital-capable transmitters.

Now, on to the U.S. Agency for Global Media (USAGM) and Voice of America, my former employer for 34 years, which never fail as a fountain of material.

Media reported on the arrest in February of a Russian-born Spanish reporter who had filed stories for VOA. Pablo González was arrested on February 28th, as he prepared to cross back into Ukraine with a group of reporters. He had been questioned by Ukrainian security officials earlier in February.

VOA described González as a "freelance journalist based in Europe who has provided content to a number of media outlets, including VOA" who had done six stories for VOA between 2020 and 2021, along with work as a camera operator.

Poland's Internal Security Agency said he was identified as an agent of the Main

Intelligence Directorate of the General Staff of the Russian Federation (GRU) and had carried out activities for Russia using his journalistic status.

While in Poland, authorities said he "obtained information the use of which by the Russian secret services could have a direct negative impact on the internal and external security and defense of our country."

Gonzalez and has strongly denied spying for Russia. But VOA said that "out of an abundance of caution," it had removed content by Gonzalez and was reviewing it. As of March 28<sup>th</sup>, that review was continuing according to a USAGM email.

Gonzalez had not gone through the usual USAGM security clearance process because according to VOA, "such background investigations are not available for freelancers (or any other contractors) who don't access federal IT systems or facilities."

This is interesting against the background of controversy involving ex-President Donald Trump's CEO of USAGM, Michael Pack, who publicly released a report by the Office of Personnel Management (OPM) and Director of National Intelligence (ODNI) revealing years of violations and deficiencies in the

handling of security clearances for employees.

As The Washington Examiner noted (<https://freebeacon.com/national-security/voa-thoroughly-reviewing-stories-from-alleged-russian-spy/>) Gonzalez's affiliation with VOA "raises concerns that a Russian spy used the agency to conduct espionage for Russia. If Gonzalez is indeed a spy," adding that "it could lend credence to the concerns raised by Pack, who was pushed out when the Biden administration took power."

Pack's concerns were legitimate. But at the time, a group of VOA journalists opposing him, and mainstream media, summarily dismissed them as being part of what was called an agenda to turn VOA into a Trump mouthpiece.

As I noted in 2020 (see: <https://bbgwatch.com/bbgwatch/exclusive-sidebar-voa-broadcast-managers-had-access-to-classified-state-department-material/>) concerns about security at USAGM are no so far-fetched.

For many years, VOA broadcast managers including heads of various language services had access to classified State Department cable traffic, including descriptions of conversations with foreign leaders, opposition figures, and observations by U.S. diplomatic personnel.

VOA portrays itself as being just another media organization, rather than the federal agency and soft power projection tool that it is. This kind of access was not something non-government media organizations enjoyed.

Nevertheless, virtually every major media organization swallowed hook, line and sinker, the accusation by VOA reporters and editors opposing Pack that the concerns were

absurd since, they said, VOA journalists "[did] not hold classified access level security clearances."

This was misleading at best, since most Americans were unaware that USAGM employees do hold various levels of clearance, based on assessments of how individual positions pose degrees of risk to national security.

As of late March, USAGM said Gonzalez's stories were still removed and a review continued. On any revision of security clearances involving freelancers, a spokesperson said only that the agency "continues to follow applicable federal rules in its employment of personnel."

On March 17th, Gnews – a site founded by exiled billionaire and critic of the Chinese government, Miles Guo, posted an interview (<https://gnews.org/2176979/>) with someone identifying as Khalid ben Twila (we're not sure about the spelling of this name).

In the interview conducted in Poland with someone representing the anti-Beijing group NFSC, New Federal State of China, he claimed he was a "long time journalist now working for Voice of America."

Things got more interesting from there. VOA he said "[supports] peace forces, peace initiatives such as yours" adding that "any Chinese, whether inside or outside China... has to [consider] you as an idol [and] example to follow in the future..."

Opining that "we need to push out of China this Communist party that is really bad not only for China but everyone. . ." he said "the communists" are putting "in their pocket" inflated prices for iPhones made in China by people making a dollar or two an hour."

Wow. As it turned out, ben Twila was not an employee of VOA, but of the Middle East Broadcasting Networks (MBN), one of the numerous media outlets overseen by USAGM.

When word of this reached the agency, there was quite a kerfuffle (a huge scandal as one source put it), right up to the acting USAGM CEO Kelu Chao who was appointed by President Biden.

In response to my inquiry, an agency spokesperson said USAGM had requested that GNews remove their erroneous story [and] we defer any additional questions on this matter to MBN."

"The interview was done without the knowledge or consent of MBN, and the

company is taking appropriate action," said Deirdre Kline, MBN spokesperson in an email.

MBN declined to elaborate on "appropriate action" stating that it "[does] not comment on personnel issues, regarding Mr. Bentwila (the agency's spelling) or any MBN employees." It remains unclear if he was fired or reprimanded, or if any material he produced remains on any USAGM website.

Gnews had not yet taken down the interview with ben Twila – it remains visible. The bigger question: why was the USAGM rule requiring advance clearance a paper tiger, at least in this case? It's one among many questions members of Congress should ask about this \$800 million plus agency.

## Listener's Notebook

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Times are UTC and frequencies in kHz.

**ABKHAZIA** Confirmed Radio Abkhazia (ID as Apsua Radio in Abkhazian & Gavarit Sukhumi, Abkhazskoye Radio in Russian & some like Apsa Radio in Georgian) on v9535 as follows:

Tue-Fri 0400-0700; Sat-Mon 0500-?: Mon-Fri 1200-1300 & 1500-1600. Nx in Russian Tue-Sat from 0530 & Mon-Fri from 1215 & from 1515. Before of the broadcasts for 10-60 minutes is operating some times Avto Radio Moscow. Nx in Georgian language from 1200 hrs. (Rumen Pankov-Bulgaria via wwdxc BC-DX TopNews)

**ALASKA** Reception of WCB KNLS The New Life Station in Chinese via Anchor Point, March 17:

0800-1000 on 7370 Chinese tx#1. Very good via SDR Half Moon Bay CA, USA

0800-1000 on 11875 Chinese tx#1 in Summer A-22 KNLS The New Life Station (DX Mix-Bulgaria)

Reception of WCB KNLS The New Life Station in English via Anchor Point, March 17:

0800-0900 on 6075 English tx#2

0800-0900 on 9695 English tx#2 in Summer A-22 KNLS The New Life Station (DX Mix-Bulgaria)

Reception of WCB KNLS The New Life Station in Russian via Anchor Point, March 17:

0900-1000 on 9540 Russian tx#2

0900-1000 on 9695 Russian tx#2 in Summer A-22 KNLS The New Life Station. At 0919 B-21 freq/time ann.: 0900 on 9540; 1100 on 9570 & 1500 on 9465, instead of new 9550! (DX Mix-Bulgaria)

**ANGOLA** 4950, R. Nacional de Angola, Mulenvos; 11-12/03, 2354-0004 music selections, ToH time pips, short male in

Portuguese announcements, return mx. Fair. (Lucio Bobrowiec-Brazil/Hard Core DX) 4950, R. Nacional de Angola, Mulenvos; 12/03, 0014-0020 male in Portuguese and mx. Fair, fady; last time I made a log and listened an audible signal about RNA was at 09/10, partially readable. (Lucio Bobrowiec-Brazil/Hard Core DX).

Monitoring Radio Nacional de Angola. As I have mentioned some days ago on this group, I have started monitoring the international service of Radio Nacional de Angola at <https://rna.ao/rna.ao/rna-internacional>. From my preliminary results, they now have lively 3-h-shows in Lingala, French, English and Portuguese. The moderated programmes offer news of various lengths, different regular/weekly features and additional features e. g. on the international women day and lots of Angolan music of the kind we used to go to shortwave for. For English, I suggest 1100-1400 h. (Dr. Hansjoerg Biener-D March 13/TopNews)

**ARMENIA** Summer A-22 schedule for CJSC Yerevan Gavar bcst center site 27 March 2022 - 30 October 2022:  
5875 1700-1800 Prs BBC  
5875 1800-1900 Prs BBC  
5890 0000-0100 Eng BBC  
6030 1900-2200 Mul MBR  
6130 1730-1900 Saturday Mul MBR  
7420 1730-1800 Mul MBR  
7510 1730-1800 Xst IBR  
11945 0200-0300 Mul MBR  
12095 0200-0230 Pus BBC  
12095 0230-0300 Prs BBC  
13690 1315-1530 Var TWR  
15205 1200-1400 Mul MBR  
15260 0500-0700 Mul MBR  
15310 0300-0330 Pus BBC  
15310 0430 0500 Prs BBC  
17815 0500-0600 Saturday Kin BBC  
17815 0529-0600 Sunday Kin BBC (CJSC Gavar via HFCC.org databases, wwdxc BC-DX TopNews March 4)

**ASCENSION ISLAND** 9410, BBC Atlantic Relay Stn, E-QSL in 2 days for a report to [Ops.Asc@encompass.co.ac](mailto:Ops.Asc@encompass.co.ac). (Kazuaki Oikawa-Japan/Japan Shortwave Club)

**AUSTRALIA** Summer A-22 daily schedule for Reach Beyond Australia (HCJB) Kununurra KNX bcst center site March 27, 2022 - October 30, 2022:

9580 0930-1000 Korean  
9610 1200-1330 Hindi  
9690 1200-1300 Hindi  
9720 1330-1400 Hindi  
11640 0900-0930 Korean  
11825 1500-1530 Burmese  
11875 1200-1300 English  
11875 1330-1400 English  
11895 1500-1530 Burmese  
11900 1155-1400 Burmese  
11905 1113-1200 Burmese  
12010 1130-1200 Dzongkha  
15410 2225-2300 Japanese  
15565 1055-1130 Japanese (HCA Kununurra HFCC.org database requests, wwdxc BC-DX TopNews March 4)

Summer A-22 schedule of Reach Beyond Australia in English:

1200-1215 on 11900 KNX English Fri-Mon  
1200-1300 on 9610 KNX English Sun  
1315-1330 on 9610 KNX English Mon/Wed/Fri  
1345-1400 on 9720 KNX English Daily (DX Mix-Bulgaria)

Good signal of private station Radio 4KZ via New Queensland, March 5:

from 1004 on 5055 NQD 1.5 kW English (DX Mix-Bulgaria)

Radio Symban, the Greek station from Hurlestone Park (Sydney, NSW) Australia is on the air again from late January on 2368.5, though only audible on SDRs in the region. They have a Facebook page, "Symban World Radio", which has some nice recent photos of their aerials. (Alan Pennington-UK/British DX Club) 2368.5, Radio Symban, Sydney. Very weak 1243, GK mx, thunderstorm noise on 3/3. (Seager-Australia/Australian DX News)

11865, Reach Beyond Australia in Rohingya language, logged and submitted report with audio files and f/d eQSL arrived with 3 days for my email report to: [radio@reachbeyond.org.au](mailto:radio@reachbeyond.org.au) V/s Margaret Penford ~ Listener Correspondent. (Babul Gupta-India/Asian DX Review)

**AUSTRIA** Summer A-22 frequencies of Special Extra transmissions of Oesterreichischer Rundfunk-1 to Eastern Europe Ukraine/Russia:

1000-1100 on 13730 MOS German Mon-Sat

1600-1625 on 5940 MOS German Mon-Thu

1600-1620 on 5940 MOS German Fri

1600-1615 on 5940 MOS German Sun (DX Mix-Bulgaria)

Due to our expanded shortwave program, we are now sending QSL cards again. If you send us a reception report, we will gladly confirm it. The address for reception reports is [oe1.service@orf.at](mailto:oe1.service@orf.at). (Antonia Chott, ORF Ö1 Listener Service via Alfred Albrecht and Ing. Thomas Zurk via Christoph Ratzer/TopNews)

**BRAZIL** Very good signal of ZYE440 Radio Brasil Central via Goiania, March 19:

from 1037 on 11815 Portuguese (DX Mix-Bulgaria)

Good signal of SC86 Radio Voz Missionaria via Camboriu SC on March 19:

from 1045 on 5938.7v Portuguese (DX Mix-Bulgaria)

Good signal of ZYE890 Radio Voz Missionaria via Camboriu SC on March 19:

from 1050 on 9666.8v Portuguese (DX Mix-Bulgaria)

Good signal of ZYE365 Radio Nacional da Amazonia via Brasilia DF, March 19:

from 1100 on 6180 Portuguese (DX Mix-Bulgaria)

4885, Radio Clube do Para, Belem, 0502-0645 on March 1, special carnival program, no relaying Radio Bandeirantes news today due to Carnival Holiday, ID. "Radio Clube", "Alegria, ja carnaval total na Radio Clube", Brazilian carnival songs. 35433. (Australian DX News)

11780, Radio Nacional da Amazonia. After re-reporting to [ouvidoria@ebc.com.br](mailto:ouvidoria@ebc.com.br) an e-QSL card has been received from Empresa Brasil de Comunicacao (EBC). (Dmitry Elagin-Russia, deneb-radio-dx via RUSdx #1174 via wwdxc BC-DX TopNews)

**BULGARIA** Summer A-22 frequency change of FPU Radio Dabanga via SPL Sofia:

1559-1657 NF 15150 Darfur Arabic, ex 11640 in Summer A-21

5900, QSL card of Taiwan Radio International, via SPC-NURTS Spaceline Ltd. Sofia Kostinbrod relay. Received a letter from the Russian edition of Radio Taiwan International with a QSL card, the theme of this year's QSL series is Taipei area attractions. (Dmitry Elagin-Russia, deneb-radio-dx via RUSdx #1174 via wwdxc BC-DX TopNews)

**CANADA** 6070, CFRX NewsTalk 10-10 (Mississauga) at 0415 discussing Putin, Russia and the war. Fair-good, March 8. (Harold Sellers-BC/DXplorer

7850, Radio Station CHU Canada via Ottawa in USB mode logged this station, submitted reception report via email to: [radio.chu@nrc-cnrc.gc.ca](mailto:radio.chu@nrc-cnrc.gc.ca) f/d QSL card arrived after one month. (Babul Gupta-India/Asian DX Review)

**CHINA** 11640, China Radio International (now called CGTN Radio) confirmed reception via Kashi-Saibagh RTC. The subject of the e-QSL is Nam Tso Lake. Report sent to [yinglian@cri.com.cn](mailto:yinglian@cri.com.cn). The answer came in 7 hours. (Evgeny Kornikhin-Russia, deneb-radio-dx-RUS via RUSdx #1174 via wwdxc BC-DX TopNews)

**CLANDESTINE** Summer A-22 new clandestine transmission of FPU (Amsterdam) via SM di Galeria:

1700-1800 on 15550 SMG Sun Kinyarwanda/Kirundi Free Press Unlimited (DX Mix-Bulgaria)

Summer A-22 registered frequencies of BRB Denge Welat via MBR SPL Secretbrod and MBR Nauen, probably all will be inactive:

0400-0700 on 7285 SCB Kurdish, Y  
0700-1400 on 17590 NAU Kurdish, Y  
0700-1700 on 11775 SCB Kurdish, Y  
0700-1700 on 13730 SCB Kurdish, Y  
1700-2000 on 9550 SCB Kurdish, Y  
1700-2100 on 5935 SCB Kurdish, Y  
2000-2400 on 6170 SCB Kurdish, Y. In MBR schedule frequencies marked with B, C, Y, X will be inactive. (DX Mix-Bulgaria)

NO SIGNAL of Dimtse Radio Erena via Sofia:  
1700-1800 on 9720 Tigrinya/Arabic on March 22! Probably canceled from shortwave. Same time and frequency was in Summer A-21 (DX Mix-Bulgaria)

Summer A-22 frequency for Furusato no Kaze & Nippon no Kaze via ENC-DMS Kranji:

1300-1400 on 15480 Korean/Japanese (wooden), will be inactive

1430-1630 on 15480 Japanese/Korean (wooden), will be inactive (DX Mix-Bulgaria)

Radio Dap Loi Song Nui/Vietnam Democracy Radio via Paochung, March 20:

1230-1258 on 9670 Vietnamese (DX Mix-Bulgaria)

Radio NUG The Voice of National Unity Government of Myanmar, March 20:

1400-1430 on 11940 PAO Burmese (DX Mix-Bulgaria)

Summer A-22 schedule of new clandestine broadcast (RMI in HFCC B-21 and A-22)

1700-1730 on 15450 ISS Persian, upcoming test will be on March 20

2000-2029 on 15490 ISS Multi via TDF France, tentative - inactive (DX Mix-Bulgaria)

Summer A-22 frequency change of Manara Radio International

0700-0800 NF 13740 ISS Hausa, ex 13710 A-21

1600-1700 on 15285 ISS Hausa - remain unchanged (DX Mix-Bulgaria)

Summer A-22 frequency change of Raadiyyoni Dirree Shaggar via TDF Issoudun:

1600-1630 NF 15330 ISS Afan Oromo Oromia Public Media, ex 15415.

1700-1730 on 15340 ISS Tigrinya Oromia Media is remain unchanged (DX Mix-Bulgaria)

Summer A-22 frequency change of Dandal Kura Radio International

0500-0530 NF 11830 NAU Kanuri, ex 07-08 on 15260

1800-1830 on 11830 ISS Kanuri - is remain unchanged (DX Mix-Bulgaria)

Summer A-22 frequency changes of Furusato no Kaze via ENC-DMS Tamsui/Tashkent:

1430-1500 NF 9685 Japanese, ex 9450 in Summer A-21

1430-1500 NF 11955 Japanese, ex 11995 in Summer A-21 (DX Mix-Bulgaria)

New time and frequency of Dandal Kura Radio International via MBR Nauen:

0500-0530 NF 9620 NAU Kanuri, ex 0700-0800 on 13590 NAU (DX Mix-Bulgaria)

Channel One TV is a new weekly broadcast to Iran heard since early December but only recently identified. Its heard on Fridays from 1730-1800 on 5910 in Farsi. Transmitter site not yet confirmed. Channel One is an Iranian opposition TV station based in California. (Thanks to WRTH Update and Chris Greenway for help with identification/British DX Club) Iran International (Volant Media UK) latest schedule:

0430-1330 on 15629.8v-tac Farsi

1330-0430 on 5829.9v-tac Farsi (Ivo Ivanov Bulgarian Blog 7Feb/British DX Club)

Afghanistan International (Volant Media UK) latest schedule 0300-1300 on 7599.9v-tac in Pashto/Dari 1300-0300 on 7600-erv in Pashto/Dari (Ivo Ivanov 7 Feb/British DX Club)

Frequency changes of JSR Shiokaze / Sea Breeze from March 14:

1300-1400 NF 6085 YAM various languages, ex 5930

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 6135

1600-1700 NF 7340 YAM various languages, ex 7285

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

1630-1700 Korean Thu-Sun; Japanese Mon/Tue and English Wed.

And frequency changes of Furusato no Kaze via JSR Shiokaze from March 14

1405-1435 NF 6045 YAM Daily Japanese, ex 6095

1405-1435 NF 7340 YAM Daily Japanese, ex 7280 (DX Mix-Bulgaria)

7340, Eye Radio via Santa Maria di Galeria, full detailed E-letter in 2 years! for e-report to [eyeradio@eyeradio.org](mailto:eyeradio@eyeradio.org), v/s James Kwaje.

(Artur Fernández Llorella-Spain/DX Fanzine)

11530, Radyo Dengê Welat from Pridnestrovsky Radiotelecentr E-QSL in a few hours for a report to [prtc@idknet.com](mailto:prtc@idknet.com).

(Kazuaki Oikawa-Japan/Japan Shortwave Club)

11690, Radio ERISAT Email QSL in just 2 hours for an English report to [info@erisat.org](mailto:info@erisat.org).

(Iwao Nagatani-Japan/Japan Shorywave Club)

**COLOMBIA** 4940, Fuerza de Paz, 0450-0745 on March 1, religious comments, Spanish, songs, Latin American and religious songs. 25322. (Manuel Mendez-Spain hcdx March 1) new stn ID these days? (wb/TopNews)

**CUBA** 6180, China Radio International via Titan, Quivican, reception report submitted with audio files and f/d eQSL received after one day for my email report to: [yinglian@cri.com.cn](mailto:yinglian@cri.com.cn).

(Babul Gupta-India/Asian DX Review)

**DENMARK** Summer A-22 frequency change of World Music Radio via Randers:

0000-2400 NF 15700 RND 0.2 kW Music/Variou, ex 15790

Summer A-22 frequencies of Radio OZ-Viola via Hilleroed:

2100-2200 on 5980 HIL 0.1 kW Danish/English Wed and

1100-1300 on 6055\*HIL 0.1 kW Danish/English Sat/Sun

\*alternative 5980 HIL 0.1 kW Danish/English Sat/Sun (DX Mix-Bulgaria)

**EGYPT** Summer A-22 frequencies of Radio Cairo registered in HFCC:

1500-1600 NF 9410.0 ABS Albanian, ex 9730v

1700-1900 NF 9900.0 ABS Turkish, ex 9950v

1800-1900 on 9439.6vABS Italian

1900-2000 NF 9409.6vABS German, ex 9710v

1900-2000 on 9870.0 ABS Russian

2000-2115 NF 9810.0 ABS French, ex 9560v

2115-2245 NF 9439.6vABS English, ex 9720v

2215-2330 NF 9900.0 ABS Portuguese, 9490v

2330-0045 on 9885.0 ABS Arabic

0045-0200 on 9890.0 ABS Spanish (DX Mix-Bulgaria)

9899.6, Radio Cairo, E-QSL for their Italian Broadcast in 6 days for an e-mail report too: [frequency@yahoo.com](mailto:frequency@yahoo.com).

Reply from Sydmm Hsnein Engineer. (Edward Kusalik-AB/DXplorer)

**ENGLAND** Summer A-22 frequency change of KBS World Radio:

0700-0800 NF 11620 WOF Korean, ex 9860

1800-1900 NF 11785 WOF Russian, ex 9820 (DX Mix-Bulgaria)

Updated summer A-22 schedule of BBC WS to Russia/Ukraine

1200-1300 on 15740 WOF English Sat/Sun

1300-1500 on 15740 WOF English Mon-Fri

1900-2000 on 11680 WOF English Mon-Fri

2000-2100 on 11680 WOF English - Daily (DX Mix-Bulgaria)

**ERITREA** 7140, Voice of Broad Masses, Asmara, 1654-1713 on Feb 28, East African songs, Vernacular, comments. Ham QRM.

22432. Also heard 0450-0505 on March 1, Vernacular comments. 24322. (Manuel Mendez-Spain hcdx March 1) 7140.019 at

0516 on March 1. (wb df5sx/TopNews)

**ESWATINI** Summer A-22 frequency changes of Trans World Radio Africa:

1500-1530 NF 11880 MAN Somali Daily, ex 11780

1530-1545 NF 11880 MAN Somali Sat/Sun, ex 11780

1802-1902 NF 9800 MAN Arabic Mon-Fri, ex 9575

1820-2005 NF 7410 MAN various langs, ex 6130 (DX Mix-Bulgaria)

**FRANCE** Summer A-22 frequency changes of Telediffusion d'Algerie via Issoudun:

2000-2059 NF 9660 Arabic Holy Qur'an program, ex 9655

2100-2159 NF 9585 Arabic Holy Qur'an program, ex 5940 (DX Mix-Bulgaria)

Summer A-22 frequencies of Radio For Peace International via Auros:

0900-2300 on 17520 AUR 001 kW French, new in HFCC Database

0900-1100 on 21565 AUR 001 kW French, new in HFCC Database

1600-1800 on 7280 AUR 001 kW French, new in HFCC Database

1800-2000 on 12005 AUR 001 kW French, new in HFCC Database (DX Mix-Bulgaria)

Summer A-22 frequency changes of Radio France International:

0500-0600 NF 15300 ISS French, ex 13695

0530-0600 NF 15215 ISS Swahili, ex 13740

0700-0730 NF 15325 ISS Hausa, ex 15315

0900-1000 NF 15300 ISS French, ex 13695

0900-1000 NF 15320 ISS French, ex 15300

0900-1000 NF 17660 ISS French, ex 15320

1300-1500 on 17640 ISS Russian - till June 4

1300-1500 on 15720 ISS Russian - from June 5

1300-1500 on 17640 ISS Russian - from Sept 4

1500-2030 on 15230 ISS Russian in all Summer

1700-1730 NF 15485 ISS Mandingo, ex 13720

1730-1800 NF 15485 ISS Fulfulde, ex 13720 kHz

1800-1900 NF 13740 ISS French, ex 15300 kHz

1800-1900 NF 15300 ISS French, ex 13740 kHz

2000-2130 on 9500 ISS Russian June 5-Sept.3

2000-2030 NF 11700 ISS Hausa, ex 9690

2000-2100 NF 9790 ISS French, ex 7205

2000-2100 NF 11995 ISS French, ex 9790

2100-2200 NF 9790 ISS French, ex 7205

2100-2200 NF 11995 ISS French, ex 9790 (DX Mix-Bulgaria)

**GERMANY** Deliberate interference was observed at times during February, with Morse code and other noises causing severe interference on Shortwave Service (Kall) frequencies including 6005 and 6085. This is believed to be part of an ongoing dispute between German shortwave stations involving Shortwave Service, Channel 292 and the pirate Mystery 21. (Dave Kenny-UK/British DX Club)

Radio Bulgaria is now being relayed by Shortwaveservice from Kall on 3985 (instead of Radio Belarus). This is the 20+ minute podcast "Bulgaria Today" in English (also German) produced weekdays since Bulgaria stopped shortwave broadcasts in 2012. No programme schedule on the Shortwaveservice website currently, just hours for 3985 of 0800-2000. (Alan Pennington-UK/British DX Club)

Summer A-22 last minute change of NHK World Radio Japan from March 27:

0430-0451 on 6165 NAU Russian, additional special broadcast (DX Mix-Bulgaria)

HCJB Germany in cooperation with Segenswelle is 24 hours via Weenermoor:

0000-2400 on 7365 WNM 003 kW Russian, and soon also in Ukrainian language! (DX Mix-Bulgaria)

Radio Ukraine Internatinal in Ukrainian via Rohrbach Waal, March 10:

0900-1000 on 6005.2v KLL 001 kW Ukrainian (DX Mix-Bulgaria)

Summer A-22 schedule of The Mighty KBC Radio via MBR Nauen:

0000-0200 on 5960 English Sun till April 24

0000-0200 on 9925 English Sun May 01-Aug.28

0000-0200 on 5960 English Sun from Sept. 04 (DX Mix-Bulgaria)

3955, Radio Waves International, via Rohrbach Waal, QSL and sticker in 12 days for e-report to [rwaves@free.fr](mailto:rwaves@free.fr). (Artur Fernández Llorella-Spain/DX Fanzine)

3955/6070, CM Obrecht, via Rohrbach Waal, E-QSL in 1 day for e-report to [c.obrecht@swissonline.ch](mailto:c.obrecht@swissonline.ch). (Artur Fernández Llorella-Spain/DX Fanzine)

6070, Intensivradio, via Rohrbach Waal, P/D QSL card, in 1 day for ereport to the following e-mail address: [intensivradio@radiodxfreunde.de](mailto:intensivradio@radiodxfreunde.de). (Jürgen Waga-Germany/DX Fanzine)

9740, NDR Hamburg, via Nauen, QSL in 38 days. Report in German sent to: [info@ndr.de](mailto:info@ndr.de). (Christian Ghibaudo-France/DX Fanzine)

**GREECE** Possible end of an ERT Voice of Greece transmitting on shortwave 9420 via Avlis. The ERT CEO Giorgos Gambritsos, has signed a decree to close down the shortwave transmitting facility at Avlis from March 31, 2022. The news release by ERT is leaving the possibility of shortwave broadcasts to continue only if the Ministry of Defense and Foreign Ministry decide to oversee the continuation of broadcasts on SW. (New Zealand DX Times)

9420, Voice of Greece, Avlis. I can hear them in Greek with lots of music during our mornings around 2000 to beyond 2200 good signal and in our afternoons around 0600. I've seen reported that the shortwave service is under threat of being closed down on March 31<sup>st</sup>. (Waters-Australia/Australian DX News)

**GUAM** Summer A-22 frequency & other changes of KTWR Trans World Radio Asia:

0945-1045 on 11995 English deleted in A-22 sked

1216-1245 NF 9380 Japanese Sun, ex 7500

1058-1127 NF 12000 English Sat DRM mode, ex 9910

1400-1430 on 11590 Santali Special px April 01-03

1400-1430 on 11590 Bengali Special px April 08-10

1400-1430 on 11590 Assamese Special px April 15-18

1400-1430 on 11590 English Special px April 22-24

1400-1430 NF 11590 Uighur Mon-Thu TWR India, ex 9900

1430-1445 NF 11590 Kazakh Daily TWR India, ex 9900 (DX Mix-Bulgaria)

KTWR Trans World Radio Asia will be broadcast in Ukrainian from May 1:

1600-1700 on 15200 TWR Ukrainian Daily in DRM mode! (DX Mix-Bulgaria)

**INDONESIA** 3325, Mar 13, 1033 Voice of Indonesia via Palangkaraya; first noted at 1033, in English; 1210, in Japanese, with nice audio level; almost fair. (Ron Howard-CA/Shortwave Bulletin)

**IRAN** A-22 summer schedule of IRIB Tehran: 11905 at 0320-0420 Arabic. Voice of Palestine, to Palestine, Jordan west-bank and Gaza strip occupied.

English

11645 at 1520-1620

11865 at 1520-1620

9835 at 1920-2020

9855 at 1920-2020

No more IRIB service on shortwave in German language; although the large 500 kilowatt systems of the IRIB foreign service with powerful units and rotating antennas were supplied and installed by AEG Telefunken Berlin from Germany in the 1980s in the last century. (wb/TopNews March 4)

Summer A-22 frequency & other changes of PARS TODAY VIRI IRIB:

0130-0230 NF 11760 SIR Arabic, ex 7285

0223-0320 NF 9730 SIR Pashto, ex 7230

0230-0530 NF 11760 SIR Al-Quds TV, ex 7285

0323-0420 on 11810 SIR Russian, deleted

0423-0550 NF 13650 SIR Turkish, ex 15430

0453-0550 on 13685 SIR Swahili, alt 15130  
0530-0600 NF 11760 SIR Arabic, ex 7285  
0600-0830 NF 13780 SIR Arabic, ex 11945  
0830-1030 on 13590 SIR Arabic, ex ZAH  
0930-1130 NF 13780 SIR Arabic, ex 11945  
1053-1120 on 17640 SIR Hausa, ex 1223-1253  
1123-1150 on 11700 SIR Kazakh, ex 1253-1320  
1153-1220 NF 15150 SIR Hebrew, ex 13690  
1423-1520 NF 11860 SIR Hindi, ex 9510  
1423-1520 NF 13610 SIR Bengali, ex 11600  
1423-1520 NF 13780 ZAH Bengali, ex 9870  
1430-1730 NF 9640 SIR Arabic, ex 7525  
1523-1620 on 11645 SIR English, alt.11865  
1553-1720 on 9870 AHW Turkish, deleted  
1623-1650 NF 11750 SIR Bengali, ex 7305  
1623-1720 on 6065 ZAH Pashto, deleted  
1653-1750 NF 9665 ZAH Pashto, new time  
1653-1750 on 7290 SIR Russian, deleted  
1653-1820 on 9870 SIR Turkish, new time  
1723-1820 on 7300 SIR German, deleted  
1753-1820 on 5925 SIR Italian, deleted  
1823-1920 NF 9470 SIR Hausa, ex 7235  
2223-2320 NF 11630 SIR Hausa, ex 9675 (DX Mix-Bulgaria)

**IRELAND** 3905, Radio Sovereign E-QSL letter Verification rec'd in six days for a report too: [1494radio@gmail.com](mailto:1494radio@gmail.com). (Edward Kusalik-AB/Asian DX Review)

**ITALY** Summer A-22 shortwave schedule of NEXUS IRRS Shortwave:  
European Gospel Radio/United Nations Radio & other  
0930-1200 on 9510 SAF English Sun  
Radio City The Station of the Cars  
0800-0900 on 9510 SAF German Sat  
Oromia National Media Arraata Biyyoolessa Oromiyaa  
1500-1530 on 15400 GAL Afan Oromo Mon-Wed/Fri/Sat  
European Gospel Radio/United Nations Radio & other  
1800-1900 on 7290 Sofia English Sat-Thu  
Radio City The Station of the Cars

1800-1900 on 7290 Sofia German Fri (DX Mix-Bulgaria)

**JAPAN** Summer A-22 frequency and changes of NHK World Radio: Canceled all relays via ENC-DMS Al-Dhabbayya, MBR Nauen (except single Russian), RRTM Telecom Tashkent and MGB Talata Volonondry. No more Swahili on SW. New time in Bengali/Burmese/Chinese/Indonesian/Korean/Thai/Urdu and Vietnamese. (DX Mix-Bulgaria)

Updated A-22 of NHK Radio Japan in Russian/English:

0330-0351 on 17560 YAM Russian Mon-Fri

0330-0351 on 17560 YAM English Sat/Sun

0430-0451 on 6165 NAU Russian Mon-Fri

0430-0451 on 6165 NAU English Sat/Sun

0430-0500 on 7355 ISS English Mon-Fri

0500-0530 on 7355 ISS English Sat/Sun

0530-0551 on 11790 YAM Russian Mon-Fri

0530-0551 on 11790 YAM English Sat/Sun

1030-1051 on 7355 YAM Russian Mon-Fri

1030-1051 on 7355 YAM English Sat/Sun

1400-1430 on 11815 YAM English Daily

The following transmissions of NHK World Radio Japan are reduced:

0530-0551 on 11730 ISS French, x 30 min

0530-0551 on 13840 ISS French, ex 30 min

0600-0621 on 11730 ISS Arabic, ex 30 min

1430-1451 on 13680 ISS Farsi, ex 30 min

1600-1621 on 9440 YAM Urdu, ex 30 min

2030-2051 on 7425 ISS French, ex 30 min

(DX Mix-Bulgaria)

**KOREA (South)** 6045, Voice of Freedom, on March 10, at \*0753 - Sign on; gong rung three times; Voice of Freedom ID; Republic of Korea choral National Anthem; VOF FM frequency announcement; VOF singing station jingle; 0500 PM KST announcement; 0800, music program mixing with N. Korean super jamming, but not the pulsating jamming often used against VOF. (Ron Howard-CA/TopNews)

**KUWAIT** Radio Kuwait's English service noted back on 15530 for its 0500-0800

broadcast on 25 February. John Gleeson reported the previous day that he had been hearing Arabic for the past 3 days around 0700-0800 on 15530. (John Gleeson-UK/British DX Club)

**LIBERIA** 6050, ELWA Radio, Monrovia, 0640-0655 on March 1, English, religious comments. 25322. (Manuel Mendez-Spain hcdx March 1) tiny signal in central Europe. (wb/TopNews)

**MALAYSIA** RTM is back to work on March 14, so here is the nice reply to my email: Dear Ron Howard, First of all, I would like to thank you for choosing our SW channel as your choice. For your information, our SW transmitter is off the air due to the main power supply to the transmitter and the building has a problem. Now still under repairs and hope our SW channel will be back on the air soon. (Khairuddin Hj Osman, Head of Assistant Director, Operation Unit, Department of Broadcasting E-mail: [khair@rtm.gov.my](mailto:khair@rtm.gov.my) via Ron Howard-CA/TopNews)

**MONGOLIA** 4895, Mar 13. 1133 UNID suspect Mongolian Radio, first noted at 1133 with definite carrier; later at 1240 carrier was much stronger, but unable to make out any audio; this format is consistent with their past receptions here. I daily check 4895 and it has been a long time since I last heard anything. Do not believe it is the ghost of AIR Kurseong, hi! Might be worthwhile to check this frequency. (Ron Howard-CA/Shortwave Bulletin) Mongolia heard also weak here in Finland at 1415. (Mauno Ritola/Shortwave Bulletin) 12085, Voice of Mongolia, E-QSL in 1 day for a report to [mnb\\_vom@yahoo.com](mailto:mnb_vom@yahoo.com). (Hiroyuki Akiba-Japan/Japan Shortwave Club)

**NETHERLANDS** Summer A-22 of ICON BV - Sunlite via Overslag: 0500-2000 on 5955 ICN 001 kW Dutch Daily (DX Mix-Bulgaria)

Summer A-22 frequencies of OMR Radio Rockpower via Nijmegen:

1000-1400 on 7260 NIJ 001 kW Dutch Offshore Music Radio

1400-2400 on 7270 NIJ 001 kW Dutch Offshore Music Radio (DX Mix-Bulgaria)

Summer A-22 new frequency of Radio Jong Europe Netherlands via Alphen aan den Rijn: 0000-2400 NF 6175 AAR 001 kW Dutch, ex 6125. Probably will be on air 09-21 (DX Mix-Bulgaria)

Radio Europe from Alphen aan den Rijn heard on 6124.95 Sunday 20 February from 1615 tune-in with very strong and over-modulated signal. The programme of dance & pop music and jingles included ID as "Radio Jong Europa" and email: [radioeuropa@hotmail.com](mailto:radioeuropa@hotmail.com). (Alan Pennington-UK/British DX Club)

5955, Sunlite, E-QSL in 2 days for e-report to [gsl@sunlite.nl](mailto:gsl@sunlite.nl), v/s Herbert Visser. (Artur Fernández Llorella-Spain/DX Fanzine)

6020, Radio Delta International, e-QSL in 1 day for e-report to [radiodelta@icloud.com](mailto:radiodelta@icloud.com). (Artur Fernández Llorella-Spain/DX Fanzine)

6170, Radio Jong Europa, e-QSL in 1 day for e-report to [radioeuropa@hotmail.com](mailto:radioeuropa@hotmail.com). (Artur Fernández Llorella-Spain/DX Fanzine)

6185, Radio Classic Sunday (via R. Piepender), E-QSL received in 2 days for report in English sent to: [info@radioclassicsunday.com](mailto:info@radioclassicsunday.com). (Christian Ghibaudo-France/British DX Club)

7445, Radio Piepender, e-QSL in 1 day for e-report to [radioqsl@hotmail.com](mailto:radioqsl@hotmail.com). (Artur Fernández Llorella-Spain/DX Fanzine)

**NEW ZEALAND** A-22 schedule of Radio New Zealand RNZ Pacific:

AM mode Daily

2059-0558 on 15720 English

0559-0758 on 11725 English

0759-0858 on 9700 English

1259-1650 on 5980 English

AM mode Mon-Fri

0859-1258 on 9700 English

AM mode Sat/Sun

0859-1258 on 9700 English

AM mode Saturday  
1651-1858 on 5980 English  
1859-1958 on 11725 English  
1959-2058 on 13840 English  
DRM mode Sun-Fri  
1651-1735 on 6115 English  
1736-1950 on 9760 English  
1951-2058 on 13840 English

**PALAU** 9965, Hope Radio, QSL in 9 weeks for e-report via web and by e-mail to [contact@hoperadio.net](mailto:contact@hoperadio.net). (Artur Fernández Llorella-Spain/DX Fanzine) 9965, T8WH Hope Radio, Full Data eQSL in 4 days from v/s Deborah Anderson for a report on their website. (Delmage-AB/CIDX)

**PAPUA NEW GUINEA** 3260, Mar 15, The long standing silence continues; 3260 (NBC Madang), 3325 (NBC Bougainville) and 7325 (Wantok Radio Light) were all unheard at my location. On 3325, at 1000, the carrier of the Voice of Indonesia was heard, which had already started. (Ron Howard-CA/Shortwave Bulletin)

**PHILIPPINES** Summer A-22 schedule of Radio Pilipinas:  
0200-0330 on 12010 English  
0200-0330 on 15640 English  
0200-0330 on 17820 English  
1730-1930 on 9960 Filipino  
1730-1930 on 12120 Filipino  
1730-1930 on 15190 Filipino (DX Mix-Bulgaria)  
9920, FEBC Radio Teos. Report to the address [norie.estabillo@febc.ph](mailto:norie.estabillo@febc.ph). Norita P. Estabillo replied after 14 days. (Evgeny Kornikhin-Russia, deneb-radio-dx via RUSdx #1175 via wwdxc BC-DX TopNews March 6)

**ROMANIA** Summer A-22 frequency changes of Radio Romania International:  
0500-0526 on 15400 TIG French tx#2, ex 15340  
2300-2356 on 11800 GAL Spanish tx#2, ex 11730 (DX Mix-Bulgaria)

Summer A-22 schedule of NEXUS IRRS SW via Radiocom Saftica/Galbeni:  
NEXUS IRRS SW European Gospel Radio/United Nations Radio & other  
0930-1200 on 9510 SAF English Sun  
NEXUS IRRS SW Radio City The Station of the Cars  
0800-0900 on 9510 SAF German Sat  
NEXUS IRRS SW Oromia National Media Arraata Biyyoolessa Oromiyaa  
1500-1529 on 15400 GAL Oromo Mon-Wed/Fri/Sat (DX Mix-Bulgaria)  
Reception of IRRS AWR Wavescan#680 via RADIOCOM Saftica, March 13:  
1200-1230 on 9510 English Sun (DX Mix-Bulgaria)

**RUSSIA** The British Broadcasting Corporation (BBC) is temporarily suspending the work of its employees in Russia in connection with the adopted law criminalizing up to 15 years in prison for fake news about the Russian Armed Forces, BBC CEO Tim Davey said. "This law appears to criminalize independent journalism. It leaves us with no option but to temporarily suspend all BBC journalists and other staff in the Russian Federation while we assess the full implications of this regrettable development," the statement said. BBC CEO Tim Davey, distributed by the media corporation on Friday. The report states that the work of the BBC news service in Russia will be continued from abroad. "The safety of our employees is paramount and we are not prepared to put them at risk of criminal prosecution for simply doing their job. I would like to pay tribute to all of them for their bravery, tenacity and professionalism," Davey said. (Interfax\_ru March 4, via RUSdx #1175 via wwdxc BC-DX TopNews March 6)

**SOLOMON ISLANDS** Solomon Islands Broadcasting Corporation in English via Honiara, March 5:  
from 1000 on 5020 English (DX Mix-Bulgaria)  
5020, Mar 18, 0832, SIBC, another day with wonderful audio level; reminds me of my

reception from years ago. At 0812, several clear "Voice of the nation" IDs; 0832-0858, in English with public service educational program for students about health; balanced diet, exercise regularly, quit smoking, reduce alcohol use, wash and dry hands, check available resources via newspapers, TV, radio, etc.; 1104, news in English; played a lot of nice island music. Very pleasant to have audio levels that at times were semi-readable, with various amounts of adjacent Cuban QRM. A vast improvement from their long standing low modulation broadcasting! (Ron Howard-CA/Shortwave Bulletin)

**THAILAND** Summer A-22 changes of HSK9 Radio Thailand World Service:  
0500-0530 on 17640 UDO English, ex to WeEu  
1315-1330 on 9390 UDO Bahasa Malay, deleted  
1415-1430 on 9390 UDO English, additional  
1800-1830 on 9920 UDO Thai, deleted (DX Mix-Bulgaria)  
13750, Radio Thailand, Full Data "HSK9" card with schedule on back, plus printed sheet with updated schedule in 45 days for reception report via email [rthworldservice@gmail.com](mailto:rthworldservice@gmail.com). (Chapel-BC/CIDX)

**TURKEY** Summer A-22 frequency changes of Voice of Turkey:  
1000-1025 NF 15240 EMR Tatar, ex 11740  
1400-1425 NF 11710 EMR Italian, ex 9610  
1630-1725 NF 11660 EMR English, ex 15520 (DX Mix-Bulgaria)  
Summer A-22 last minute frequency changes of Voice of Turkey:  
0500-0655 NF 15320 EMR Hau/Swa, ex 13765  
1130-1225 NF 15350 EMR German, ex 13760  
1300-1555 NF 15375 EMR Turkish, ex 9840 (DX Mix-Bulgaria)  
7285, Voice of Turkey (Emirlir) at 0405 in English with news, referring to "Russian aggression", 0406 ID and back to news about Ukraine-Russia war. Fair, //6125 was poor at first but fair by 0420 and 7285 went to poor March 8. (Harold Sellers-BC/DXplorer)

15360 & 15680, Two new QSL cards arrived from the Voice of Turkey for report sent to [tsr@trt.net.tr](mailto:tsr@trt.net.tr). (Jaouad Saber-Australia/ARDXC)

**UKRAINE** The British Broadcasting Corporation (BBC) is reviving its European shortwave service in order to provide news and information to listeners in Ukraine who may be cut off from internet service but have access to portable shortwave receivers. (CQ Amateur Radio Online)

**UNITED ARAB EMIRATES** Summer A-22 of Mizzima Radio via ENC-DMS Al-Dhabbayya:  
1130-1200 on 17730 Burmese, test  
1200-1300 on 17730 Burmese Daily  
1300-1330 on 17730 Burmese, test (DX Mix-Bulgaria)  
Summer A-22 frequency changes of Deutsche Welle in Dari/Pashto:  
1400-1500 NF 6100 TAC Dari/Pashto, ex 15230 NAU  
1400-1500 NF 15230 DHA Dari/Pashto, ex 15390 DHA (DX Mix-Bulgaria)

**USA** Summer A-22 schedule of WINB Red Lion in Hybrid DRM mode:  
0700-1000 on 9265 English Mon-Fri  
1000-1100 on 13655 English Mon-Fri  
1100-1700 on 15750 English Mon-Fri (DX Mix-Bulgaria)  
Summer A-22 of WLC Radio via Monticello  
0100-0257 on 9330 English  
0300-0555 on 9330 English  
0600-0755 on 9330 Spanish  
0800-0857 on 9330 French  
0900-0957 on 9330 English  
1000-1057 on 9330 Spanish  
1100-1155 on 9330 Portuguese  
1200-1257 on 9330 Spanish  
1300-1455 on 9330 English  
1500-1657 on 9330 English  
1700-1857 on 9330 English  
1900-2155 on 9330 German  
2200-2257 on 9330 Portuguese  
2300-0055 on 9330 Portuguese (DX Mix-Bulgaria)

Voice of Mongolia is in English via WRMI-10 Okeechobee:

0130-0200 on 5800 English Tue-Sat from March 15 (DX Mix-Bulgaria)

Summer A-22 frequencies of WMLK Radio, Assemblies of Yahweh via Bethel:

0400-0900 on 15150 English Mon-Fri is additional

1700-2200 on 9275 English Mon-Fri, but inactive at present, due to a fire in the old transmitter around the end of March 2017. (DX Mix-Bulgaria) Radio WMLK is the shortwave radio voice of the Assemblies of Yahweh. A new transmitter is being installed. This transmitter will be a six-fold increase over the original transmitter, as well as broadcast with the greatest efficiency and sound quality available today (The Sacred Name Broadcaster) No announced start up date. (RAD)

The Voice of America is 80 years old! February 1st 1942 saw the first transmission from Voice of America stations to Europe to correct the propaganda and misinformation that Nazi Germany was broadcasting to the world. They committed to telling the truth even if it was good or bad. The highest ideals of journalism would be maintained to fight propaganda with truth and trust. For 80 years, this organization has fought fake news and informed the world through unbiased radio. For much of the world population, VOA was the only source they could get reports that they could trust. Today, this mission is even more vital to the peace of the globe. (NZDXT/TopNews)

A team of great folks from the Federal Communications Commission (FCC) office in Miami and the Federal Aviation Administration (FAA) in Atlanta and Fort Lauderdale visited us. They have been working with our engineers to solve some mysterious interference that airline pilots have been reporting as they fly over the east coast of Florida just east of our transmitter site in Okeechobee. It turns out that our frequency of 7780 on a 44-degree beam up the East Coast of North America and on to

Europe was radiating a low-power 17th harmonic (17 times the nominal frequency of 7780) on a frequency used by aircraft flying in the area. After a lot of hard work by everyone, we have come up with a plan to switch our frequency of 7780 towards Europe to 7730 as of the beginning of the next shortwave broadcast season (the A22 season) on March 27th. And we will switch our transmission to Mexico and Southwestern North America from 7730 to 7780. After doing a series of tests today, we think that will solve the harmonic interference problem. (WRMI Jeff White-Florida hcdx/TopNews)

Upcoming frequency change of WRMI Okeechobee in Summer A-22 Season:

1400-0400 NF 7730 English, ex 7780 WRMI-01

0000-1100 NF 7780 English, ex 7730 WRMI-13 (DX Mix-Bulgaria)

New schedule of WBCQ-3 via Monticello eff. from March 1:

0300-0500 on 4790v English Daily Radio Angela, instead 24hrs English Daily Brother Stair (DX Mix-Bulgaria)

Due to the increased interest in the current situation in Ukraine, WRMI has resumed its relays of the daily English language hour of Radio Ukraine International, the official overseas service of Ukrainian Radio. RUI can be heard daily from 24 February, except Fridays, at 1200-1300 on 5010. Jeff White adds "Many people have asked if we can add other transmissions at other times and frequencies. We are working on this and will try to do so if possible". (Ed/British DX Club) 4790, WBCQ, Monticello, E-QSL, in 11 days for e-report to the following e-mail address: [4790info@gmail.com](mailto:4790info@gmail.com). (Jürgen Waga-Germany/DX Fanzine) 4790, WBCQ Test Broadcast. E-QSL received in 11 days for an e-mail report too: [4790info@gmail.com](mailto:4790info@gmail.com) v/s: Bill Tilford, (Edward Kusalik-AB/DXplorer) 6115, WWCR, QSL in 13 months for e-report to [qsl@wwcr.com](mailto:qsl@wwcr.com). (Artur Fernández Llorella-Spain/DX Fanzine)

9975, Voice of Hope – KVOH, QSL in 3 weeks for e-report to [reports@voiceofhope.com](mailto:reports@voiceofhope.com), v/s Ray Robinson. (Artur Fernández Llorella-Spain/DX Fanzine)

15770, Atlantic 2000 International via Okeechobee, E-QSL in 10 days for e-report to [atlantic2000international@gmail.com](mailto:atlantic2000international@gmail.com).

(Artur Fernández Llorella-Spain/DX Fanzine) 15770, Norddeutscher Rundfunk. Greeting Onboard programme in German. QSL (pictured above) received in 52 days for report to: [gruss-an-bord@ndr.de](mailto:gruss-an-bord@ndr.de). (Nick Sharpe-UK/British DX Club)

**VANUATU** Good signal of Radio Vanuatu in French & English via Port Vila, March 5:

1008 & 1010 on 5040 PVL 2.5 kW French/English (DX Mix-Bulgaria)

5040, Mar 18, 0633, Radio Vanuatu. Cuba already off the air; 1034-1056, monologue (religious?); 1056, religious song in English; 1100-1102\*, full ID with frequencies and National Anthem; so they are back to their former schedule/format; much better than usual reception. (Ron Howard-CA/Shortwave Bulletin)

7260, Radio Vanuatu, 0548-0559\*, March 10. Signal fading up; phone interview; 0554, the often heard distinctive station's singing jingle with IDs for "Radio Vanuatu" and "Voice of Papua New Guinea." At 0600, 5040 was checked, but Cuba still blocked the frequency. (Ron Howard-CA/TopNews)

**VATICAN** Summer A-22 frequency change of FPU Radio Tamazuj via SM di Galeria:

1459-1557 NF 15550 Juba Arabic, ex 15400 via TDF ISS

Summer A-22 frequency & other changes of Vatican Radio:

0440-0500 on 7260 SMG Ukrainian, additional

0440-0500 on 9705 SMG Ukrainian, additional

0500-0520 on 7260 SMG Russian is additional

0500-0520 on 9705 SMG Russian is additional

1230-1250 NF 9810 PHT Russian, ex 9610 kHz

1230-1250 NF 11815 PHT Russian, ex 11850 kHz

2315-2350 NF 9580 PHT Vietnamese, ex 9735 (DX Mix-Bulgaria)

Summer A-22 schedule of additional broadcasts of Vatican Radio to Russia/Ukraine: 0440-0500 on 7260 SMG Ukrainian effective from March 27

0440-0500 on 9705 SMG Ukrainian effective from March 27

0500-0520 on 7260 SMG Russian - effective from March 27

0500-0520 on 9705 SMG Russian - effective from March 27 (DX Mix-Bulgaria)

**ZAMBIA** 5915, ZNBC, Lusaka. Good signal with EE news bulletin from 1800, including weather and sponsor breaks for AzuriTV solar TV provider 16/2. (Francis-Australia/Australian DX News)

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

Please remember to direct all communications about subscriptions, bulletin delivery issues, the use of PayPal as a payment method, etc. to Rich Cuff at the club's new business address P. O. Box 3292, Allentown, PA 18106 or to his e-mail address, [hq@naswa.net](mailto:hq@naswa.net). Missing issue emails should CC [rm271828@gmail.com](mailto:rm271828@gmail.com). Thanks!



# Pirate Radio Report

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Welcome to the April 2022 edition of the Pirate Radio Report.

Special thanks go out to festmeisters Richard Cuff and John Figliozzi for organizing another very informative and most enjoyable Winter SWL fest! We are all hopeful that 2023 will be the year in which we can all gather again in person. The Voice of Pancho Villa was active during the oft-anticipated infamous midnight ride on 4075 kHz and was also heard the following day on 6955 kHz as well.

## VOICE OF PANCHO VILLA



OREN POR NUESTROS HERMANOS UCRANIANOS

03-06-22	0500 UTC	QSL # - 3
Redhat X-FM		
4075 kHz AM		
35 <sup>th</sup> (!?) Winter SWL Fest		



QSL

The 43 meter band continues to light up with free radio stations with most activity on the weekends and evenings. *Mix Radio International* has been very busy throughout the band, changing their active frequencies multiple times during a broadcast. *Wolverine Radio*, *ION Radio*, *Radio Free Whatever*, *Outhouse Radio*, *WTF Radio Worldwide* and *Ballsmacker Radio* have been active as well. Relays of classic pirate stations continue to entertain us with the Voice of Laryngitis and Altered States Radio to name a few.

Here on the east coast, *Cupid Radio* (Netherlands) has been active in the 19 meter band and I was fortunate to have logged this station on 15075 kHz.

With the arrival of Spring, start scanning those upper frequencies as some ops tend to migrate there during the warmer weather.

Many thanks to this month's contributors: Glenn Hauser, Greg Majewski, Bill Montney, Gianni Serra, and Mark Taylor. Any free-radio related stories and logs you'd like to share with others are always welcome!

3939.97-AM, PIRATE-EUROPE. **FIVE CORNERS RADIO**. Russian/English. 2202-2223, 02-26-22, playing pop, rock etc songs (Madonna's Like a Virgin), man talk in Russian after a track, then interspersed by woman ID in English (You are listening to Five Corners Radio broadcast...) good w/ strong audio. (Serra-Italy)

3939.97-AM, PIRATE-EUROPE. **RADIO FREE WAVES BAY**. Russian, 2227-2234, 02-26-22, sudden s/on and playing pop songs (Paul Young's don't dream it's over), and man talk in Russian after a track. Strong audio. (Serra-Italy)

4030-AM, PIRATE-NA. **BALLSMACKER RADIO**. 0158, 03-05-22, "Question" - Moody Blues, faded out, back at end of ID, "What's new pussycat?" - Tom Jones, ID, email, e QSL offer, "Do you know the way to San Jose?" - Dionne Warwick, All songs with "Question" for titles. Fair to good. (Taylor-WI)

4075-AM, PIRATE-NA. **THE VOICE OF PANCHO VILLA.** 0500 - 0517, 03-06-22, Pancho and Cisco on their annual infamous ride into the history books. This year we had Natasha and Vlad doing their thing, or not. (Penney-MA)

4185-USB, PIRATE-NA. **CORN DESERT OUTPOST.** 0038, 03-20-22, Rock, SSTV, CW ID. into more hard rock. Program of different genres of rock with many SSTV and waterfall images. Poor - fair. (Taylor-WI)

4625-USB, **PIRATE-? UNID.** 2256 - 2346, 02-28-22, This frequency is used by Russian military. The signal is called the Russian Buzzer. There were choral hymns in an Eastern European language. Followed by CW letter A sent over or over. Good Signal. (Majewski-CT)

5835.19-AM, PIRATE-EUROPE. **RADIO EUROPE.** 1717-1729, 03-01-22, playing Rolling Stones' songs (Ruby Tuesday, etc) until 1728, then carrier wave on only; almost good in ssb. (Serra-Italy)

6885-AM, PIRATE-NA. **MIX RADIO INT'L.** 0142, 03-04-22, ID: "M.R.I. Mix Radio International", "Sami, Sami" (?), ID, "Ghost Town" - The Specials. Into a program of rock music with periodic ID's. Fair. (Taylor-WI)

6915-USB, PIRATE-NA. **WFDR.** 2340, 03-19-20, good. FDR speech/possibly addressing Congress, Much more being said. ID at close: 00:06. (Montney-MI.) 6920-USB/6950-USB 2308, 03-19-22. (Taylor-WI)

6919-USB, PIRATE-NA. **CLEVER NAME RADIO.** 2220, 03-02-22, good. Right into YL w/ID & "Request lines are open, I will wait". Mx next from Rex the Dog w/ "Teufelsberg", ID repeats, more mx again: Black Phoenix w/ "Crippled", Falco w/ "Der Kommissar", NOFX w/ "Separation of Church and Skate". (Montney-MI) 2204, 03-05-22, (Taylor-WI)

6925-USB, PIRATE-NA. **VOICE OF LARYNGITIS.** 1619, 03-05-22. Relay/rebroadcast of "Voice of Laryngitis" show. Good. Entertaining story on-going about Uncle Mouse the radio pusher, "Pray it's not too late". "Be a pirate Buster/ a public radio Service". Pirate Busters / The American crusade against radio communication. ID w/ "Broadcasting from a bowling alley". (Montney-MI)

6925-AM, PIRATE-NA. **FOXY AM.** 2302, 03-05-22, fair-poor. Music from SYMT w/ "Koi Labda, OM w/ ID and e-mail address. Al Green - "For the Good Times", some de-grading of signal. (Montney-MI)

6925-USB PIRATE-NA. **ALTERED STATES RADIO.** 2119 - 2140, 03-06-22, Relay/rebroadcast of an old program from Labor Day 1995. Played some satirical ads and Fireside Theater bits. Also had a UFO invasion. Song by Iron Maiden. Excellent Signal. (Majewsk-CT)

6925-AM, PIRATE-NA. **SOLID ROCK RADIO.** 1251 - 1323, 03-06-22, Rock music mix from Guns N' Roses, Deep Purple, The Doors & others. Weak signal w/occasional peaks. S4. (Penney-MA)

6925-USB, PIRATE-NA. **BEST IN THE WEST RADIO.** 2315- 2320, 03-10-22, Best in the West ID followed by music and ID. Fair Signal. (Majewski-CT)

6925-AM, PIRATE-NA. **YEAH MAN RADIO.** 2212 - 2253, 03-18-22, A nice show of fifties/sixties music like Bobby Vinton, Four Seasons, Petula Clark, and Mommas & Poppas. Excellent signal. (Majewski-CT)

6925-USB, PIRATE-NA. **WHIZ RADIO.** 0015 - 0020, 03-19-22, Played Indie tunes. ID was WHIZ Radio brought to you by Milky Way Relay, more than a candy bar. Fair to Good Signal (Majewski-CT)

6925-USB, PIRATE-NA. **BIG F\*\*KING NUTS RADIO**. 2048, 03-19-22, fair-good. Program on-going w/ Sting and "After the Rain Has Fallen", OM w/ ID next and More Sting mx.good Program/thanks.(Montney-MI)

6927.6-AM, PIRATE-NA. **RADIO 528**. 2320-2322, 03-08-22, just caught the end of the broadcast. Poor signal (Majewski-CT)

6930-USB, PIRATE-NA. **LIBERTY ROCK RADIO**. 0118, 03-06-22, Rock music - 0119 ID sequence and bit of talk, more rock music. SSTV (Liberty Rock Radio SSTV QSL w/ HFU loggers names incl. me), (Taylor-WI) 0127, 03-06-22, (Montney-MI)

6930-AM, PIRATE-NA. **ION RADIO**. 2120 - 2200, 03-14-22, ID was by female voice and SSTV image. Pop tunes (The Go Gos) were played. Fair signal with fading (Majewski-CT)

6930-AM, PIRATE-NA. **RADIO OLAH**. 1957 - 2045, 03-20-22, ID stated running 18 watts. Played a cover of Route 66. Fair to Poor signal. (Majewski-CT)

6935-USB, PIRATE-NA. **MYSTERY SCIENCE RADIO**. 0059, 03-20-22, program with a wide variety of music (jazz, novelty, rock, theaterorgan, etc.), frequent ID's. Many SSTV and waterfall images.(Taylor-WI) 0046, 03-20-22, (Montney-MI)

6950-AM, PIRATE-NA. **CAPTAIN MORGAN SHORTWAVE**. 0034 - 0036, 02-20-22, Captain playing blues tunes and caught an ID. Fair signal. (Majewski-CT)

6950-AM, PIRATE-NA. **WDOG**. 2304, 03-05-22, good. Have Tubeway Army w/ "Are Friends Electric" / dog howling in background. OM w/ ID.(Montney-MI).

6950-AM, PIRATE-NA. **MIX RADIO INT 'L**. 2235- 0220, 03-13/14-22, A nice long show

of Motown and Soul music. Maybe had a technical issue at 0002, off in middle of a song then back on. At 0124 changed to 6955 KHz. Good to Excellent signal entire time. (Majewski-CT)

6955-USB PIRATE-NA **RADIO FREE WHATEVER**. 2259, 02-24-22, good. On-going end of mx then ID @ 23:00. (Montney-MI)

6955-USB PIRATE-NA **WOLVERINE RADIO**. 0139, 02-26-22, "Pretty" theme. "A sweet little bullet from a pretty blue gun" - Tom Waits, ID, "echo" ID, SSTV (B&W of face shot of a pretty woman with "Wolverine Radio" - one of the best decodes I've gotten from Wolverine.) Good to Very good. (Taylor-WI)

6955-USB,PIRATE-NA **WTF RADIOWORLDWIDE**. 2120, 03-05-22, good. music from Pixey w/ "Sunshine State", OM w/ ID, Deep Sea Diver w/ "Shattering the Hourglass", Good signal. (Montney-MI). 2133, 3/5/22.Fair to good. (Taylor-WI)

6955-AM, PIRATE-NA. **THE VOICE OF PANCHO VILLA**. 2100 - 2116, 03-06-22, Pancho and Cisco on their annual infamous ride into the history books. This year we had Natasha and Vlad doing their thing, or not. (Penney-MA)

6955-AM, PIRATE-NA. **EARTH STATION 1W**. 2310-0026, 03-11/12-22, Show of Beatles tunes, Distorted voice talking earth like an Alien. Voice said soon be our neighbor. Fair to Good Signal. (Majewski-CT) 2311, 03-11-22, JBA S7 talk. Many logs here as Earth Station 1W, with SF stuff and Beatles: <https://www.hfunderground.com/board/index.php/topic,94205.0.html> (Hauser-OK)

6955-AM, PIRATE-NA. **ION RADIO**. 2212 - 2227, 03-18-22, Show of Queen songs like Bohemian Rhapsody. Excellent Signal. (Majewski-CT)

6960-AM, PIRATE-NA. **BALLSMACKER RADIO.** 0059 – 0200, 03-19-22, nice tunes by likes of Jefferson Airplane and Pink Floyd. The show had a “*Drugs*” theme. Good/Excellent signal that faded. (Majewski-CT) 0123, 03-19-22 (Taylor-WI)

11840-AM, PIRATE-NA. **YHWH.** 1807, 03-06-22, urgent tones of anti-Christ pirate Station YHWH, reactivated after months` absence, S7-S8 into VE6JY remote Alberta, -10 Hz

carrier offset. Tnx to tip from Rick Barton, AZ in the WOR iogroup. Maybe back too on night frequency 7470 or 7475? (Hauser-OK)

15075-AM, PIRATE-EUROPE. **CUPID RADIO.** 1627 - 1903, 03-13-22, Rock music mix from The Kinks, AC/DC, Good Charlotte, Whitesnake & others. Rinus w/ID and a shout-out to your truly. SSTV images. Decent signal. S5-S6. (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.

Member	Equipment	Column
<b>Greg MAJEWSKI</b> , Oakdale, CT		P,L
<b>Mark TAYLOR</b> , Madison, WI		P
<b>Rich D'ANGELO</b> , Wyomissing, PA		L
<b>Vince HENLEY</b> , Anacortes, WA		L
<b>Chuck RIPPEL</b> , Chesapeake, VA	EAC R390A, Winradio Excalibur Pro	L
<b>Eric BUENEMAN</b> , Hazelwood, MO		L
<b>Edward STROH</b> , Thornton, IL	Drake R8B, SPR-4, Alpha Delta DX-CC inverted V, Mosley TA33JR	L
<b>Rick BARTON</b> , Sun City, AZ		L
<b>Gianni SERRA</b> , Roma, Italy		P
<b>Glenn HAUSER</b> , Enid OK		P
<b>Ed CICHOREK</b> , Somerset, NJ		L
<b>Pamela PRODAN</b> , Wilton, ME		L
<b>Bill MONTNEY</b> , Monroe, MI		P
<b>Andre FREDETTE</b> , Oakville, Ontario		L
<b>Rob WAGNER</b> , Mt. Evelyn, Australia		L

Equipment is listed only for new contributors. A year-end summary of all contributors, including their equipment, will be published in the December e-Journal.

# Loggings

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- 1725 **NEW ZEALAND Radio N.Z. Int'l**, 11:55 GMT, March 2, SIO 333, English program Rock song "Ghsteen" by Nick Cave and the bad Seeds. News at 12:00 GMT. Good to fair with moderate fading. (Fredette-ON)
- 3900 **INNER MONGOLIA PBS Hulunbuir** - Hailar, Hulunbuir Prefecture. 1016 in Mandarin with news including on-location reports. Weak signal and another one of the low-powered Chinese outlets (10 kW), Feb 11. (Wagner - AUS)
- 3930 **KOREA REP Voice of the People** - Kyonggi-do Koyang. 1005 Korean commentaries. Good signal and easily heard over jamming. // 3910 also heard at about the same level. Feb 11. (Wagner - AUS)
- 3959 **D.P.R.KOREA KCBS** - Kanggye. F/in 0953 Korean with commentaries. Korean opera music at 1000. Aoki lists this as an ND antenna at 5 kW. If so, it is doing well getting into Mount Evelyn on a summer evening on the 75mb! Feb 11. (Wagner - AUS)
- 4750 **INNER MONGOLIA CNR 1** Voice of China - Hailar, Hulunbuir Prefecture. F/in 0935 Mandarin with commentary, alternating male/female announcers. Occasional "on-location" reports. One of the few low-powered Chinese outlets (10 kW), weak signal at first but improved slightly after around an hour, Feb 11. (Wagner - AUS)
- 4775 **PERU R. Tarma** - Tarma. 1022 Spanish with continuous music selections, strong Andean sounds. Occasional anncts over the music. Weak signal, Feb 11. (Wagner - AUS)
- 5040 **VANUATU R. Vanuatu** - Emten Lagoon. 0910 an intermingling of English and Bislama talking about policing in Vanuatu. Island song at 0924. Fair signal and good to hear this station back on air again. Feb 11. (Wagner - AUS)
- 5800 **MONGOLIA Voice of Mongolia** March 16 at 0145, Voice of Mongolia ID in English, feature about the arts, UNESCO. This is a brand-new relay by WRMI, Tue-Sat at 0130-0200: a big help as VOM's direct English are hardly heard in NAM, s (Glenn Hauser, OK,)
- 5845 **PHILIPPINES BBC** in KK relay via Tinang. March 12, 2022, 1540 – 1546. SIO 444. YL with long monologue in KK, listed target is FE. OM joins talk at 1544. (Henley, WA)
- 5845 **PHILIPPINES BBC WS** 1530. began as OC and then tones bf the half hour mark (1527), then sign-on by M in Korean, -- Good 2/11 (Barton-AZ)
- 5925 **FRANCE Radio France Int'l** – Issoudun, 0601-0633 Feb 25, woman announcer with French language announcements followed by a man announcer with news. Fair to good signal. (D'Angelo-PA)
- 5950 **UNITED STATES WRMI** Okeechobee, FL 0100-0200 Texas Radio Shortwave, featuring music of Gary P Nunn, incl "Lone Star Beer and Bob Wills Music"; good 3/6 (Prodan-ME)
- 5950 **UNITED STATES WRMI - English** USA, 2330 - 2359 2/20 The Glenn Hauser World of Radio show # 2126 Excellent signal (Majewski CT)

- 5960 **UNITED STATES WRMI** - English USA, 0000 - 0200 2/2 Repeat of the Texas Radio Shortwave show special done with Radio Ingloo and others Swedish stations with discussion by Swedish DX Club members. This was a nice enjoyable show with music and good information Excellent Signal (Majewski CT)
- 5960 **GERMANY Mighty KBC** 0005-0100 music – Liverpool doo-wop from 1960s, also Lovin' Spoonful “Do You Believe in Magic” & “You Didn't Have to Be So Nice”; very good 2/13 (Prodan-ME)
- 5960 **TURKEY Voice of Turkey** English 2307-17 news, incl protests in Canada, then disc of ancient cities in Anatolia; fair, with a bit of squeal 2/12 (Prodan-ME)
- 5960 **GERMANY Mighty KBC** - English Germany 0002 - 0058 2/27 Playing foreign artists doing rock and roll songs. Nice to hear known songs played in different styles. Excellent signal (Majewski CT)
- 5960 **UNITED STATES WRMI** - English USA, 0000 - 0200 2/20 Texas Radio Shortwave show special done with Radio Ingloo and others Swedish stations with discussion by Swedish DX Club members. This was a nice enjoyable show with music and good information Excellent Signal (Majewski CT)
- 5970 **UNITED STATES WEWN** Vandiver, AL Spanish 0100+ religious; fair 2/13 (Prodan-ME)
- 5990 **ROMANIA Radio Romania Int'l** 0100 with EE news into news commentary. Sports coverage followed with a spotlight on Romanian gymnastics. "Music of Romania," followed at 0130Z. 03/16 Rippel, VA,
- 5990 **ROMANIA Radio Romania Int'l** - Romania, 0100 - 0124 2/26 News about Ukraine and Energy Cost Controls. Followed by a story about wood as a green product. Excellent Signal (Majewski CT)
- 5995 **MALI RTV du Mali** - Kati. F/in 0715 via the long path (via Atlantic Ocean - southern Canada - Nth and Sth Pacific), commentaries and reports in French. ID at 0724 Weak signal, Feb 11. (Wagner - AUS)
- 6000 **CUBA Radio Habana Cuba** English 0226-40 “Music With a Message” The Doors with “When the Music's Over,” “Unknown Soldier”; repeat of program I reported for Jan 24, 2021; fair 2/27 (Prodan-ME)
- 6015 **OPPOSITION/CLANDESTINE** (to/against the DPRK) KBS Hanminjok Bangsong 1 (presumed) at 1330 M and W in Korean, running into next hour, all over a DPRK "beeper jammer Fair to Good 2/22 (Barton-AZ)
- 6135 **VATICAN CITY BBC** relay Santa Maria di Galeria – 2/27 0615 noted with discussion and analysis on the situation in Ukraine in French. SIO 434. (Bueneman-MO)
- 6145 **ROMANIA Radio Romania Int'l**, March 17 at 0502, Romanian, S9/+10 into Maryland SDR, RRI hour for W Europe from Galbeni, but certainly not available for RHC (Glenn Hauser, OK,)
- 6150 **ROMANIA Radio Romania Int'l** via Galbeni – 2/5 0335 noted with commentary in Spanish. SIO 323. (Bueneman-MO)
- 6155 **AUSTRIA Radio Oesterreich Int'l** – Moosbrunn, \*0559-0616 Feb 26, open carrier, music opening followed by German language talk by a man announcer. Directly into the news program. Fair. (D'Angelo-PA)
- 6155 **AUSTRIA R. Oesterreich Int'l** - Moosbrunn. 0705 German current affairs programming. Txer switched off at exactly 0720. One of the few signals on the band on this afternoon in late summer, impressive reception from their ND antenna, Feb 11. (Wagner - AUS)

- 6160 **UNITED STATES Radio Timtron Worldwide** via WBCQ 2324, 3-13-22. Rock vocals followed by "Rock and Roll radio" anmt. by male at 2327." Stay tuned for more rock and roll"... Good signal (Cichorek-NJ)
- 6160 **UNITED STATES WBCQ** English USA, 0001- 0133 2/28 Tim Tron with his Radio Tim Tron Int'l show. Provided some commentary on the events in Ukraine followed by Tears for Fear song "Everybody wants to rule the world" and the cover of the REM song End of the World. It was a nice show of music. Excellent signal until fading at 0117. (Majewski CT)
- 6160 **UNITED STATES WBCQ** - English USA, 0002-0100 2/21 Radio Tim Tron. Nice show of tunes from all genres. Enjoyable listening. Excellent Signal (Majewski CT)
- 7220 **CHINA China Radio Int'l** in JJ to FE. March 13, 2022, 1510 – 1515. SIO 333. YL announcer, POP MX. Noisy signal, but listenable. Minor QRM, heavy QRN, and shallow QSB with flutter. (Henley, WA)
- 7220 **ROMANIA Radio Romania Int'l**, 2317, 3-13-22. Female vocal to 2320 with full ID by female then report of the opening of an art exhibit of various mediums of photography, sculpture and painting Good signal (Cichorek-NJ)
- 7290 **TAIWAN (Tentative) Clandestine** / opposition in KK likely from Tanshui, Taiwan. March 13, 2022, 1550 – 1558. SIO 333. Probably "Nippon no Kaze" target North Korea. OM with talk, then POP MX in CC. YL follows. Then off the air abruptly at 1558. (Henley, WA)
- 7290 **OPPOSITION Nippon no kaze**/ Wind from Japan 1530. Long monologues by W in Korean, some pop music cuts, long outro music near the 1600 hour and off. // on 9800 was bad, under a lot of noise (Jammer-?). Good 2/14 (Barton-AZ)
- 7300 **CHINA CNR 1** in CC jammer of Radio Free Asia. March 10, 2022, 1623 – 1627. SIO 434. Raucous MX, loud singing / chanting. Probably jamming RFA from Tinian. Jamming is effective as heard here. (Henley, WA)
- 7390 **NEW ZEALAND RNZI** in EE to Oceania. March 13, 2022, 1443 – 1449. SIO 444. Talk / interview about guns and murder. Shallow QSB, moderate QRN (Henley, WA)
- 7465 **SINGAPORE BBC** in Dari / Eastern Farsi relay to Afghanistan, via Kranji. March 7, 2022, 1605 – 1613. SIO 555. OM talking with YL in a long dialogue. A different talk with an OM follows. Excellent signal. (Henley, WA)
- 7780 **UKRAINE WRMI**, March 17 at 0503 tune-in until 0506, WRMI new relay of Ukrainian Radio in English segment, rapid translation and back to Ukrainian. Wish they would put English at a reliable time and length; another day there was no English in this span (Glenn Hauser, OK,
- 9370 **THAILAND Voice of America Deewa Radio** (via Udon Thani) 1600, Monitored on SW1 and long wire, M and W in (listed) Pashto (Afghanistan). – Poor to Fair 2/12 (Barton-AZ)
- 9490 **PHILLIPINES Voice of America** Korean 1227-35 m & f Ann, occas English; poor+ 3/9 (Prodan-ME)
- 9510 **SRI LANKA AWR** - Trincomalee. 0000-0030 Thai to SEAs with religious programming. Fair signal, Feb 13. (Wagner - AUS)
- 9535 **UNITED KINGDOM R Ndarason Int'l** (via Woofferton; directed to Chad, Nigeria) 0715. Monologues with women in (listed language) Kanuri (Niger, Nigeria, Chad, et al). Then strange music with wind instruments, drums. -- Fair to Good 2/28 (Barton-AZ)

- 9550 **ALASKA KNLS** religious broadcast in RR. March 10, 2022, 1552 – 1559. SIO 444. POP MX, OM announcer in RR. Contact information and ID given, followed by more POP MX in EE. Good signal easy listening. (Henley, WA)
- 9550 **ALASKA KNLS** in RR to FE. March 13, 2022, 1515 – 1522. SIO 555. Excellent signal. OM with homily or sermon. Strong, clear signal, easy listening. YL follows in RR. ID by YL follows contact information. Alternating YL and OM announcers. Schedules given. (Henley, WA)
- 9550 **ALASKA KNLS**, March 11 at 1554, hard rock music S4/S6, what`s this? Only listed at 15-16 is KNLS in Russian; one of better signals on band with depressed propagation (Glenn Hauser, OK,)
- 9580 **SINGAPORE BBC WS** at 1100 // 6195. News headlines with Jerry Smit, leading with tennis star Novak Djokovic saying he would give up major tennis matches rather than be vaccinated. Also German envoy to meet with Russian officials to ward off possible invasion of Ukraine. VG, signal (Barton-AZ)
- 9590 **CHINA China Radio Intl** Russian 1239-43 f spkr & song; poor 3/9 (Prodan-ME)
- 9690 **OPPOSITION Furusato no kaze/Wind** from Hometown, 1615, in progress. W in Japanese, outro music at 1625. What sounded like children's song, then off at 1630. Monitored on SW-2000629 and short wire (indoor) -- Good 2/12 (Barton-AZ)
- 9700 **TAIWAN Radio Free Asia** Korean 1243-46 f & m in discussion; poor+ 3/9 (Prodan-ME)
- 9730 **ALASKA KNLS** religious broadcast in CC. March 12, 2022, 1553 – 1559. SIO 555. OM with sermon in CC. Excellent signal. Target is FE. Off the air at 1559, carrier gone. (Henley, WA)
- 9730 **MYANMAR Myanmar Radio** via Yangon – 2/27 0945 noted with commentary in Burmese. SIO 323. (Bueneman-MO)
- 9795 **PHILIPPINES Voice of America** relay Tinang – 2/27 0940 noted with commentary in Chinese. SIO 323. (Bueneman-MO)
- 9825 **PHILLIPINES Voice of America** Chinese 1247-48 f spkr; poor+ 3/9 (Prodan-ME)
- 9830 **UNITED STATES NSS US Navy RTTY**, Andrews AFB, MD 1408-11 teletype signal; very good 2/28 (Prodan-ME)
- 9830 **CHINA CNR1** Beijing – 2/28 1212 noted with dramatic play in Chinese. SIO 323. (Bueneman-MO)
- 9835 **UNITED KINGDOM Voice of America Radio** ASHNA 1530, Monitored on Drake SW1, long wire, long monologues, M and W in (listed) Dari (Afghanistan) , mixing with RTTY utility station -- Fair; moderate CCI 2/4 (Barton-AZ)
- 11540 **MOLDOVA Broadcast Belgium** Kurdish 1545-1550 f Ann, song; poor 2/28 (Prodan-ME)
- 11570 **PHILLIPINES Voice of America** Korean 1250-1258 m spkr, occas English; sta ID & internet address; fair 3/9 (Prodan-ME)
- 11590 **CHINA CNR 1** domestic program. March 12, 2022, 1547 – 1552. SIO 555. Domestic program or jammer of RFA. Mixed OM and YL announcers, MX, advertisements, etc. Excellent signal... (Henley, WA)
- 11610 **UNITED KINGDOM Voice of America** in Somali relay via Woofferton. March 10, 2022, 1628 – 1633. SIO 222. Target is East Africa. OMs in long monologues or conversations. Heavy QRN, Moderate QSB to JBA. (Henley, WA)

- 11610 **MADAGASCAR World Christian broadcast**, the light of the world, 21:39GMT, Jan 30, SIO 444, Chinese program, man speaking, strong signal, very good reception, very clear. (Fredette-ON)
- 11610 **MADAGASCAR World Christian Broadcast**, the light of the world, 21:03 GMT, Feb 22, SIO 444, Chinese program, Music followed by man speaking. Strong reception, clear, minor fading. (Fredette-ON)
- 11640 **MALI China Radio Int'l**, 21:08 GMT, Feb 22, SIO 333, English program, story of young man growing up in china, poetic story. Good signal but moderate to severe fading. (Fredette-ON)
- 11660 **THAILAND Voice of America**, 12:54 GMT, Feb 14, SIO 434, Chinese program, man and woman speaking, very good reception, minor flutter. (Fredette-ON)
- 11660 **SWAZILAND TWR Africa** 1630, M in (listed) Oromo (Ethiopia), instrumental music -- Fair to Good 2/16 (Barton-AZ)
- 11690 **OPPOSITION/CLANDESTINE R ERISAT** at 1800, M in (listed) Tigrinya (Eritrea, Ethiopia), N African type vocal music to talk by woman. Closed at 1900 -- Fair 2/2 (Barton-AZ)
- 11710 **NORTH KOREA Voice of Korea** in FF to NAM. March 13, 2022, 1450 – 1459. SIO 433. MX, YL announcer in FF. Choral and instrumental MX. Noisy signal, QSB to JBA. ID at TOH. (Henley, WA)
- 11720 **UNITED STATES Voice of America** - English USA, 2125 - 2158 2/20 a show of US County Music. Good and faded at 2158 (Majewski CT)
- 11725 **KUWAIT Radio Free Asia** to FE in CC. March 10, 2022, 1533 – 1543. SIO 444. RFA relay via Kuwait. Listed target is FE. YL with long monologue. Good signal easy listening. Minor QRN. OM joins at 1540. (Henley, WA)
- 11725 **NEW ZEALAND Radio New Zealand**, Rangitaki, 11:04 GMT, 3 Feb, SIO 444, English program, News on Covid in New Zealand followed by news on tensions in the Ukraine and updates on developments. Very good reception. Minor fading. (Fredette-ON)
- 11725 **NEW ZEALAND Radio New Zealand**, 12:59 GMT, Feb 14, SIO 322, English program, ID at 12:58 and then rock music. Fair (Fredette-ON)
- 11745 **SAUDI ARABIA Al-Azm Radio** 1510, Middle Eastern vocal music -- Good 2/21 (Barton-AZ)
- 11760 **CHINA CNR1** Shijiazhuang – 2/27 0935 noted with commentary in Chinese. SIO 323. (Bueneman-MO)
- 11810 **ASCENSION ISLAND BBC**, 21:12 GMT, Feb 22, SIO 444, English program, Story of a man working on a commission basis and the effect of the pandemic on his income in Dubai. Also story of a man who made up a fake identity. Good signal, clear with minor fading. (Fredette-ON)
- 11815 **TURKEY Voice of Turkey** Turkish 1605-08 m Ann; fair 2/28 (Prodan-ME)
- 11820 **CHINA China Radio Int'l** – Xian, 0034-0057\* Feb 23, Chinese vocals followed by talk in the Cantonese language by a woman announcer hosting a program of local vocals. Close and carrier cut. Fair. (D'Angelo-PA)
- 11860 **UNITED STATES Radio Marti** Greenville, NC Spanish 1608-12 2 m bantering, audience laughing, //11930; both freq very good 2/28 (Prodan-ME)
- 11905 **SRI LANKA SLBC** - Trincomalee. S/on 0030 for 30 min service in Bangla to SAs. ID 0033, largely music programming throughout, fair signal. Feb 13. (Wagner - AUS)

- 11910 **JAPAN NHK World Radio Japan** 2340. What sounded like news program, M presenters in Japanese. -- Fair 2/28 (Barton-AZ)
- 11945 **AUSTRALIA RBA**. 11945, March 18 at 1350, VG S9/+10 discussion about word games improving cognition, seems reasonable but winds up invoking Jesus. Of course it's RBA with the Ozish accents, closing before 1400\* ID and to resume at 1330 tomorrow for India -- way off beam over here (Glenn Hauser, OK,)
- 11955 **AUSTRIA Adventist World Radio** in Turkish to ME via Moosbrun. March 10, 2022, 1528 – 1529. SIO 333. Off the air abruptly at 1529. (Henley, WA)
- 11955 **AUSTRIA AWR Urdu?** 1612-15 f Ann, e-mail address; poor-fair 2/28 (Prodan-ME)
- 11955 **GUAM Adventist World Radio** 2220, W in (listed) Ngaju (a regional dialect in a part of Indonesia) choir music, ID at BoH, M Ann for switch to Indonesian. Choral music, then long talk by man -- Fair to Good 2/7 (Barton-AZ)
- 11975 **TAIWAN (tentative) Clandestine Sound of Hope** / opposition "Sound of Hope" in CC. March 12, 2022, 1615 – 1622. SIO 333. Listed target is FE. Likely broadcast from Tanshui, Taiwan. OM announcer, background MX, steep QSB, heavy QRN. Noisy signal, but listenable. (Henley, WA)
- 11975 **MALI, China Radio Intl.**, 21:44 GMT, Jan 30, SIO 333, French program, Woman speaking followed by soft pop music. This was followed by news on UNESCO, more on China and archeological discoveries of porcelain manufacturing. Good to fair with moderate fading. (Fredette-ON)
- 11975 **VATICAN Voice of America** 3/12, 2135. French. News? After 2140 carrier but no audio dropped until audio returned at 2145. 45444 (Stroh-IL)
- 11985 **MADAGASCAR Adventist World Radio** (Talata-Volonondry) at 2030, W in monologue in (listed) Yoruba (Nigeria; SW Africa), M in Nigerian Pidgin after 2100 Z hour. -- Good 2/6 (Barton-AZ)
- 12015 **UNITED STATES NSS US Navy RTTY**, Andrews AFB, MD 1408-11 teletype signal; very good 3/9 (Prodan-ME)
- 12035 **TURKEY Voice of Turkey** English 1412-18 some music & f Ann "the Voice of Turkey, always by your side"; poor 12/25 (Prodan-ME)
- 12040 **GUAM KSDA/Adventist World Radio** 2240. Pop vocal music, religious vocal music, to talk by woman in (listed) Javanese -- Fair to Good 2/11 (Barton-AZ)
- 12050 **UNITED STATES WEWN** Vandiver, AL Spanish 1420-23 m & f Ann, fair 2/28 (Prodan-ME)
- 12160 **UNIDENTIFIED WWCR** religious broadcast in EE. March 13, 2022, 1540 – 1549. SIO 333. OM with millennium sermon using verses from the Apocalypse. "End of Days" theme. Pulse-type QRM. Heavy QRN. (Henley, WA)
- 13550 **SAO TOME Voice of America** 1900, programming w/ current affairs in English - - Poor 2/10 (Barton-AZ)
- 13680 **CUBA Radio Habana Cuba** 3/12, 2120, Talk in Spanish. ID at 2129 45444 (Stroh-IL)
- 13700 **CUBA Radio Habana Cuba** Spanish 1423-26 f Ann; fair with hiss 2/28 (Prodan-ME)
- 13710 **SAUDI ARABIA SBA Holy Quran** in AA. March 10, 2022, 1638 – 1650. SIO 333. Noisy signal. OM chanting verses from the Quran. Heavy QRN, moderate QRM. Target is North Africa. (Henley, WA)
- 13710 **SAUDI ARABIA Radio Saudi Riyadh** Arabic 1620-23 chanting verses; fair+ 2/28 (Prodan-ME)

- 13740 **CUBA Radio Habana Cuba** Spanish 1423-26 f Ann; good 2/28 (Prodan-ME)
- 13750 **THAILAND Radio Thailand** at \*0200 with "International News." Coverage of earthquake in Japan then into "National News" and lead story concerning COVID. Into Thailand national weather observations and forecast. 03/17 Rippel, VA
- 13750 **THAILAND Voice of Thailand** - Udon, 0018-0036 Feb 23, man announcer with English language tourist information followed by a woman announcer with aviation news.. (D'Angelo-PA)
- 13795 **INDIA AIR** - Bengaluru. 0002 Mandarin to EAs, under a blanket of heavy music jamming from presumed China (not CNR programming). Feb 13. (Wagner - AUS)
- 13820 **UNITED STATES Radio Marti** in SS to Cuba. March 10, 2022, 1518 – 1523. SIO 442. OMs in SS talk / commentary. QSB to inaudible. Signal clear at the peaks, but mostly JBA to inaudible. Overall poor. From Greenville, NC. (Henley, WA)
- 13820 **UNITED STATES Radio Marti** in SS from Greenville, NC. March 13, 2022, 1528 – 1535. SIO 444. OMs in talk / debate. Good signal. Minor QRN / QSB. Multiple OMS in discussion. Various announcements. YL joins talk after the announcements. (Henley, WA)
- 13820 **UNITED STATES Radio Marti** Greenville, NC Spanish 1623-32 m spkg, sounded inspirational; news headlines & sta ID; very good 2/28 (Prodan-ME)
- 13845 **UNITED STATES WWCR** in EE religious broadcast from Nashville, TN. March 10, 2022, 1513 – 1517. SIO 222. The late Brother Stair prerecorded. Poor, weak, signal. QSB to inaudible. Poor overall. End of day's evangelism. Listed target is NAM. (Henley, WA)
- 13865 **ENGLAND Voice of America** English 1632-34 f interviewing m about elections coming up in 2023; fair 2/28 (Prodan-ME)
- 14448 **USA KW321?** MARS station 3/6, 2210 English. Running a MARS net taking check-ins from other MARS stations all across the country 45554 (Stroh-IL)
- 15030 **INDIA All India Radio** Dari? 1428-33 music then f Ann; fair 2/28 (Prodan-ME)
- 15105 **ESWATIN, TWR Africa**, 19:13 GMT, March 1, SIO 333, Lingala program, soft music followed by man speaking. Good to fair with minor fading. (Fredette-ON)
- 15125 **MALI China Radio Int'l** (via Bamako) 1620, heard on Sangean portable and 16' wire. Female vocals, Middle Eastern sounding music, man in Arabic -- Fair 2/15 (Barton-AZ)
- 15130 **FRANCE NHK world** – Japan, 19:14 GMT, March 1, SIO 444, Japanese program, man and woman speaking. Good reception, very clear. (Fredette-ON)
- 15140 **UNKNOWN** 3/12, 2110. Woman in Spanish saying different groups of 5 numbers approx. every 30 seconds. Possibly Cuba? 43333 (Stroh-IL)
- 15300 **GERMANY Bible Voice** BCN 1434-37 hymn; poor 2/28 (Prodan-ME)
- 15325 **GUAM KSDA** - Agat. 0008 Vietnamese to SEAs, AWR gospel song and preaching. Fair to poor signal, Feb 13. (Wagner - AUS)
- 15355 **MADAGASCAR Adventist World Radio** at 1928 as open carrier, then sign-on at 1930 with W in (listed) Igbo (parts Nigeria) and closing at 2000. -- Good 2/20 (Barton-AZ)
- 15360 **GERMANY Adventist world radio**, 19:17 GMT, March 1, SIO 444, Hausa program, Man speaking followed by religious music and more speaking. Very good reception. (Fredette-ON)
- 15360 **AUSTRIA Adventist World Radio** (Moosbrunn) 2010, M in (listed) Hausa, choir music, another lecture in Hausa, more (presumed) religious talk to close at BoH.

- Closed; came up on 15355 at 2030, this time in French to Africa -- Very Good 2/20 (Barton-AZ)
- 15360 AUSTRIA *Adventist World Radio*** at 1900, opening with M in (listed) Hausa (Chad, Nigeria, et al). Contact info and choir music at 1910. Fair/Good on Sangean portable, 16' antenna. (Probably would VG in the shack with Drake and long wire) -- Fair to Good 2/14 (Barton-AZ)
- 15435 PHILIPPINE *FEBC*** - Bocaue. 0012 Shan language to SEAs, weak signal with songs and preaching, Feb 13. (Wagner - AUS)
- 15515 TAJIKISTAN *AWR*** English 1437-43 f speaker, religious – holy spirit, faith, etc; poor+ 2/28 (Prodan-ME)
- 15555 UNITED STATES *WJHR R. Int'l*** 3/12, 2043 English. Non-stop preaching with ID at 2100. 45344 (Stroh-IL)
- 15560 ENGLAND *Voice of America*** Kurdish 1444-47 m Ann; poor+ 2/28 (Prodan-ME)
- 15580 BOTSWANA *Voice of America*** 19:20 GMT, March1, SIO 444, English program, Man speaking about African oil and where imported oil comes from including Russia. Also, discussion on oil prices due to the war in the Ukraine. Very good reception. (Fredette-ON)
- 15690 GERMANY *Radio Farda*** 1447- music; 2/28 (Prodan-ME)
- 15730 BOTSWANA *Voice of America***, 19:27 GMT, March1, SIO 444 French program, News on farming and issues for farmers on growing cacao and climate change. Very good reception. (Fredette-ON)
- 15735 ENGLAND *BBC*** 1447-1500+ BBC World Service News Hour mostly about Ukrainian situation; about 10 seconds ahead of the same program on my local public radio station; program repeated at 1500; very good 2/28 (Prodan-ME)
- 15770 UNITED STATES *WRMI*** - English USA, 2030 - 2059 2/20 The Memphis Weirdos show of music and commentary. Excellent Signal (Majewski CT)
- 17630 MALI *China Radio Intl*** English 1517-19 panel discussion about China & America; poor-fair 2/28 (Prodan-ME)
- 17660 SAUDI ARABIA *Radio Saudi Intl*** 1521-26 sounded like simultaneous translation French-English interspersed with male chanting in Arabic; fair 2/28 (Prodan-ME)
- 17720 TURKEY *Voice of Turkey*** Arabic 1536-43 f Ann, musical breaks; fair 2/28 (Prodan-ME)
- 17800 PHILIPPINE *BBC*** - Tinang. 0000-0030 English WS to SEAs, fair signal and // 9560 but much weaker there. Some lists are showing this as Burmese at this time - not so! Feb 13. (Wagner - AUS)

Please remember to direct all communications about subscriptions, bulletin delivery issues, the use of PayPal as a payment method, etc. to Rich Cuff at the club's new business address P. O. Box 3292, Allentown, PA 18106 or to his e-mail address, [hq@naswa.net](mailto:hq@naswa.net). Missing issue emails should CC [rm271828@gmail.com](mailto:rm271828@gmail.com). Thanks!





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<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, March 6, 2022 -- In "DX History-I/Clubs & Publications/Clubs," look for the red "New" at **"ISWC. Station List."** Before there was a World Radio Handbook (1947), shortwave fans got their information from magazines and club bulletins, and some standalone publications. The heart of the International Short Wave Club bulletin was usually member loggings, general news, and an hourly guide to what was on the air, but on at least one occasion the format switched to a by-country presentation of station slogans, transmitter power, interval signals, and station addresses, giving members a good idea of the overall shape of the shortwave broadcasting scene in the geographic areas covered. Check out the August 1937 issue of the bulletin, which we have posted. -- Under "Specialized Resources," we have a new entry in "Wavescan": "The Radio Spectrum on the South Pacific Island of New Caledonia" (Wavescan N673, January 16, 2022). And in "The DX Recordings of Tetsuya Hirahara," there are four more recordings from Peru.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, March 13, 2022 -- Under "DX History-I/QSLS & Other Station Memorabilia/Countries/France," learn about La Voix de la France, a World War II shortwave service run by the Vichy government and beamed to the French colonies, and its messaging service aimed at Frenchmen around the world. -- Under "Specialized Resources/The DX Recordings of Colin Miller," we have posted Colin's recording of Trans World Radio, Swaziland, testing their then-new 25 kW transmitters in October 1974. -- In "The DX Recordings of Tetsuya Hirahara," Tetsuya has sent us four new Peruvian recordings. -- And John Ekwall in Sweden has uploaded to his website many recordings of Peruvian, Bolivian, Ecuadorean and other stations. Check them out at <http://joesweden.info/radio/cassette/index.html> Thanks, Colin, Tetsuya and John.

<[www.ontheshortwaves.com](http://www.ontheshortwaves.com)> Update, March 20, 2022 -- This time, under "DX History-II/Lists, Logs, Guides & Columns/1935," look for the red "New" and the 1935 Sylvania Radio Log, which contains some introductory material on shortwave, followed by broadcast band and shortwave station listings, and an advertisement for Sylvania tubes. -- And under "Specialized Resources/The DX Recordings of Tetsuya Hirahara," look for two "new-old" Peruvian recordings, and one each from Colombia and Ecuador.

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