

The **NASA** Journal

VOLUME LXII NUMBER 8

AUGUST 2022



North American Shortwave Association – America's Shortwave Broadcast Club

Serving Monitoring Enthusiasts Since 1942

New for '22



WORLD RADIO TV HANDBOOK 2022

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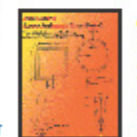
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Universal Radio, Inc.
752 N. State St. Unit 222
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NASWA Notes

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


Hopefully, this arrives on time to enable those desiring to attend the 28th annual Madison-Milwaukee Get-Together an opportunity. It takes place on Saturday, August 20, beginning at 1:00 PM central local time. It is an all-band event and all radio hobbyists are welcome. The group returns to the Milwaukee area this year to the home of Tim Noonan in Oak Creek. The address is 801 E Park Blvd, Oak Creek WI 53154. Feel free to contact Tim for more information at DXing2@aol.com or 414 813-7373. Several of our club members attend this event each year so consider adding this to your list of shortwave hobby things to do.

The latest edition of the club's Country List and Awards program booklet is available on our website, www.naswa.net. The Country List Committee, chaired by John Herkimer, updated the booklet reflecting the new radio country of Norfolk Island in Oceania. In addition, asterisks that denote country inactivity have been removed. Those entries are now gray. The remaining active countries stand out now. Thanks John and the CLC for the updates and Rich Cuff for getting it posted.

There are still some interesting shortwave targets left on the bands. The Solomon

Islands, featured by John Herkimer as our cover this month, is such a target. An interesting array of QSL cards, coins, pictures and stickers help celebrate one of the exotic Pacific region shortwave radio target stations. The QSL images show both "SIBC" and "SIBS." Per Wikipedia: "The Solomon Islands Broadcasting Corporation was founded in 1976, replacing the Solomon Islands Broadcasting System (SIBS)." They are still broadcasting so follow the action in the Log Report, Flashsheet and Listeners Notebook for the latest news and information.

There is some great summer reading contained within the pages of John Figliozi's Shortwave Center. Greg Majewski starts things off with another well written review of a new DSP shortwave receiver—the ATS-25X1. This is followed by Australia's Tiny Island FM Reaches Far Beyond its Shores written by former Listeners Notebook editor Hans Johnson. Collectors' Corner features "Regentone and Bush" by Nick Rank. The column closes out with Choosing a Radio: Features and Benefits by David Harris.

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

Unity and Friendship

Musings

Jerry Lineback • 4422 Sierra Del Sol • Paradise, CA 95969-8116 • jalinebk@gmail.com

Please e-mail your Musings, preferably as MS Word attachments, to jalinebk@gmail.com or mail to Jerry Lineback, 4422 Sierra Del Sol, Paradise, CA 95969-8116. Please note that the deadline for contributions to the September issue is August 24, 2022.

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

Carol Jane and I made the mistake of taking our masks off during a little socialization at our church in Chico the last Sunday of June. Carol came down with COVID BA-5 symptoms a couple of days later, then I caught it. So, we spent most of the month of July feeling bad with fatigue, nausea, congestion and general malaise. We were fully vaccinated and twice boosted. This Version of COVID can infect anyone and I recommend avoiding it by continuing to wear masks. Stay Safe. We are having our backyard landscaped, so I had to take down my shortwave and ham antennas until it is done.

73, Jerry Alice

Rick Barton, desertmoon_dxr@yahoo.com, Arizona

I noted in the loggings section (April 22 Journal) a new contributor, Edward Stroh (Illinois), had reported what surely was a garden variety Cuban numbers station on 15140. This is a commonly used Radio Havana Cuba broadcast frequency, noted for what, as Glenn Hauser would say, that "Something's always wrong (at RHC)". And very often on this particular frequency.

Some of us who are numbers-station veterans have noted over the years that Cuban Intelligence sometimes blows its cover, crossing their wires, sending Cuban spy numbers out over RHC broadcast frequencies, while sending RHC programs over numbers station frequencies. (Oops)!

I hope that helps clear some confusion Mr. Stroh and others might have had about the reception. Cuban radio frequencies are much like Forrest Gump's box of chocolates. Or, if you will, that Cuban radio operators are not always the brightest campfires along the trail.

73 from the Sonoran Desert, Rick Barton

Listening Review

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

Welcome to Listening Review for August 2022.

I am intending to issue one final "Music Programs on Shortwave" update for the A-22 season sometime around mid-August, so keep an eye out in the NASWA iog mail list for notification when this is available. It will also be found at SWLing.com (at <https://swling.com/blog/resources/alan-roes-guide-to-music-on-shortwave/>) and on the BDXC web page (at <http://bdxc.org.uk/music.pdf>). This list derived out of my own need, many years ago, to have a quick reference guide to music programs that I want to listen to. It grew rapidly to a more comprehensive list of music programs in English language programs on shortwave worldwide that would be useful for other listeners, and then started including a non-exhaustive list of programs in other languages.

What the list doesn't do though is remind me of special one-off programs – and not necessarily only music programs. I quite regularly miss such one-off programs purely because I forget they are on! I guess that I need to start keeping a diary or calendar (either paper or electronic) for such programs that I can refer to so that I don't forget. Does anyone have a reminder system that they use so as not to miss a particular program?

Texas Radio Shortwave

Here's the program line-up from **Texas Radio Shortwave** for August and September (all

probably confirmed, but may never-the-less be subject to last minute changes). (* = Repeat broadcast of previous week's broadcast).

WRMI

(Saturdays at 2300 UTC on 5950 kHz)

- 6+13* Aug: Have Gun Will Travel (3 eps)
- 20+27* Aug: Tales of Texas Rangers (2 eps)
- 3+10* Sep: On Stage: Austin City Limits
- 17+24* Sep: The Lone Ranger (2 episodes)

WRMI

(Sundays at 0000 UTC on 5950 kHz)

- 7 Aug: 2022 Deep Ellum Arts Festival - Wk 1
- 14 Aug: 2022 Deep Ellum Arts Festival - Wk 2
- 21 Aug: 2022 Viva Big Bend Music Fest.-Wk1
- 28 Aug: 2022 Viva Big Bend Music Fest.-Wk2
- 4+11* Sep: Vikki Carr Music Special
- 18 Sep: 2022 Bastrop Music Festival - Wk 1
- 25 Sep: 2022 Bastrop Music Festival - Wk 2

WRMI

(Sundays at 0100 UTC on 5950 kHz)

- 7+14* Aug: Lightnin' Hopkins Music Special
- 21+28* Aug: Luke Slaughter of Tombstone (2 ep)
- 4+11* Sep: Tanya Tucker Music Special
- 18+25* Sep: Gunsmoke (2 episodes)

WBCQ

(4th Sunday of month at 0200 UTC on 6160)

- 28 Aug: Lightnin' Hopkins Music Special
- 25 Sep: Tanya Tucker Music Special

Channel 292

(3rd Saturday of month at 0900 UTC on 6070 kHz)

- 20 Aug: Lightnin' Hopkins Music Special
- 17 Sep: Tanya Tucker Music Special

Channel 292

(3rd Saturday of month at 1800 UTC on 3955 kHz)

- 20 Aug: 2022 Viva Big Bend Music Fest.-Wk1
- 17 Sep: 2022 Bastrop Music Fest. - Week 1

In summary, the transmissions are:

- weekly via WRMI (Saturdays at 2300, Sundays at 0000 and 0100, all on 5950);
- monthly via WBCQ (last fourth Sunday of the month at 0200 on 6160)
- monthly via Channel 292 (third Saturday of month at 0900 on 6070 and at 1800 on 3955);

Meanwhile, TRSW will be testing use of 15770 kHz via **WRMI** on Wednesdays

throughout August. The 3 August broadcast includes 21 versions of The Yellow Rose of Texas, with Martin 1 SSTV images inserted at approximately 18, 32, and 46 minutes into the show. On subsequent Wednesdays, shows will be encores of artist tribute programs: Willie Nelson, Buddy Holly, Stevie Ray Vaughan, and Roy Orbison. Special eQSLs will be available for correct reception reports of the test transmissions. TRSW would like to see the decoded SSTV images. Reporters should identify which version(s) of the song they heard by using Shazam or a similar program. The email address is texasradiosw@gmail.com.

R Andorra Archive

"Carte Blanche" Programming

Christian Milling (of Milling Broadcast Services) has been restoring to HiFi quality more old cassettes of programs broadcast by Radio Andorra in 1979. Christian writes in the BDXC mail list:

"The whole thing is a matter of the heart, no commercial activity. The national archive supports this ideally, but the whole financial part is done privately by myself. If anyone likes to contribute, here is my GoFundMe-campaign: <https://gofund.me/cc66ad4a>. All raised funds go straight to the reconstruction of the programs (buying necessary records, software licenses for the DSP Tools, maintenance of the cassette players) as well as the transmission feed on shortwave."

The **Carte Blanche** series of programs were recorded in summer 1979, where stars at that time were invited to select their music for a Sunday afternoon program, and often included guest stars.

On 6 August, "the French chansonnier Ricet Barrier will do the programming for one

hour. Barrier was born in August 1932, died in 2011, so it would be his 90th birthday this year. Unfortunately, the second hour of his program got lost, only the first cassette survived."

On 3 September, "the French singer and actor Mirelle Hartuch is in charge. She was born in September 1906 and was at the time the program was recorded already 73 years old. So we will hear music from the 1930s and 1940s as well as contemporary songs from the 70s. This program survived completely."

All transmissions are via Moosbrunn, Austria at 100kW, and will be aired as follows:

- 1700-1800 UTC (6 Aug) / 1700-1900 (3 Sept) on 6180 kHz 270° towards Europe and
- 2200-2300 UTC (6 Aug) / 2200-2400 (3 Sept) on 13730 kHz 295° towards North America.

Thank you to Christian Milling for restoring and making these programs available. Whilst they are in French, they do make for enjoyable listening.

VORW Radio International

I continue to enjoy tuning in to John Jurasek's **VORW R Int** program each Friday at 1600-1700 UTC on 9670 kHz via Moosbrunn at 100kW, which provides excellent reception here in my part of the world. It is an always enjoyable program comprising some commentary (on 22 July, John was reading an article about "10 Ways to Cope With Big Changes", followed by 45 minutes of listener requested songs).

VORW R Int has been a regular program via **WRMI** and **WWCR** for some years, and attracts a good audience in North America. The program has also been scheduled at



various times in Europe via **Channel 292**, but haven't really settled into a regular slot until now. This high-power broadcast for Europe is thus very welcome.

Whilst listening to the program on 22 July, two things struck me. Firstly, was his reminder that: "I have no analytics for this broadcast, so I have no statistics, no metrics, no way of knowing if there's any audience out there. It would be great to know if someone is being reached by this transmission, and it would be great to know how the shortwave reception is on your end". John continues that reception reports are appreciated (at vorwinfo@gmail.com) and will be QSLed.

What is important to note, though, that even if you do not want to send a formal reception report for a QSL, a short email to say that you heard the program will be appreciated. And this goes for all the smaller broadcasters/program producers: if no-one contacts them then they do not know that you are listening, and may eventually give up their program. I personally have less interest in QSL's these days; I will send reception reports from time to time, but increasingly I am just dropping an email to say that I heard and enjoyed the program

(not that I do this as often as I should, I regret to say).

Secondly, I was struck by the fact that very few of the names of listeners who requested music to be played were familiar names in the world of DX/SWL mail lists, Facebook groups or bulletins. Maybe some are members of these, but choose not to actively participate (which is fine, although it would be nice if they did through in the odd comment). It makes me wonder if there are many more casual Shortwave Listeners out there than we realise, i.e., people who do not sign-up to any DX/SWL mail list, or to a Facebook group or join a DX/SWL Club. Comments to Jerry Alice Lineback's *Musings* column would be most interesting.

By the way, John also has two YouTube channels: "VORW Podcasts" with general chat similar to his radio program which has 88,000 subscribers, and "The Report Of The Week" with food reviews which has an astonishing 2.6 million subscribers.

VORW R Int is scheduled as follows:

Via WRMI:

- 0000-0100th-su9395(fr) 9455(th-su)
- 0100-0200fr5010
- 0200-0300fr-sa5800(sa) 5850(fr,sa)
- 0800-0900tu5850 7780
- 1000-1100th5850
- 2100-2200su,th,fr7730(su,th) 9955(fr)
- 2200-2300th,sa9395(sa) 9955(th)

Via WWCR:

- 0400-0500mo4840
- 2200-2300sa6115

Via Ch 292:

- 1600-1700fr9670 (via Moosbrunn)

Radio Exterior de España.

On 24 July, whilst compiling this month's column, I tuned to **REE's** Spanish service at 1910 UTC with very good reception on 15520 kHz (although 11670, 11940 and 17855 kHz were all providing good reception). In the absence of any sporting program (ie football) today, REE was airing an edition of **Gitanos** (*Gypsies*). It is a program I've come across in the past, but not for some years.

From the RTVE website: "The gypsy people is



the oldest, largest and most representative minority in Spain. 'Gypsies: Romani art and culture' is a cultural magazine that shows the diversity of this people from artistic, social and academic fields, and highlights the gypsy contributions in expressions such as plastic arts, cinema, literature, performing arts, flamenco and other musical styles, showing its many influences on Spanish and European culture. Presented and directed by Manuel Moraga and Joaquín López Bustamante".

This was a very pleasant hour's listening of melodic Spanish/Gitano music including ballads and some guitar/flamenco music.

The only *scheduled* radio airing appears to be on Radio 5, on Sundays at 2305 UTC, with web streaming apparently scheduled on REE on Saturdays at 0300 and Sundays at 0900 UTC, however they are not listed in the daily program guide (at: <http://www.rtve.es/radio/radio-exterior/programacion/>) at these times, and I'm unsure at time of writing whether this program regularly airs Sundays at 1900 UTC when there is no sport.

Radio Angela (from WBCQ)

There's a couple of small changes to the regular **Radio Angela** schedule broadcast via **WBCQ** 0200-0400UTC on 5130 kHz (to 0410 on Tuesdays to Fridays, and to 0430 on Saturdays with the addition of Glenn Hauser's **WOR**), further updating the schedule given in June's magazine.

The **WBCQ Polka Party**, previously scheduled only on the occasional fifth Thursday* of the month, will now be monthly and heard every third Tuesday* of the month at 0300-0355 UTC and will be followed at 0355-0400 by **El gringo viejo con mucha cuerda** in Spanish, where host Scott Hadley presents a custom-tailored version of his popular short on radio station XHBUAP in Mexico in which he presents early recordings made in Latin America.

New on the second Friday* of the month at 0300-0400 UTC is **Enciclopedia musical de las Americas** (in Spanish) where host Luís Alejandro Vallebuena, a historian associated with Mexico's shortwave station Radio Educación, presents music from a different Latin American country each month. (He also presents **Radio Maria Bonita**, presenting music of Mexico, on the third Thursday* of the month at 0300UTC).

* Note that these programs are originally scheduled the preceding day in EDT time for the Americas, so (for example) the **third**

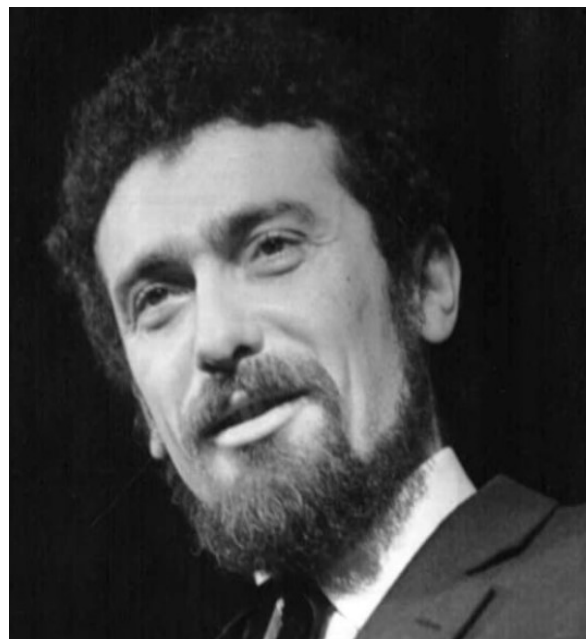
Tuesday of the month actually means the Tuesday following the third Monday).

I record the 5130 kHz frequency overnight 3 or 4 times a week, and reception here in the UK I find is generally OK for music, perhaps a little less so for speech. However, I did listen to and enjoy hearing an episode of the serialised reading of George Orwell's "1984" in **Orwellian Airwaves** with Lainie Petersen on 16 July at 0200 UTC when reception was particularly good. This was followed by a great selection of Greek music in **Greek Music Refuge**. By the way, well-known Greek DXer Zacharias Liangas is now assisting Bill Tilford in compiling the song playlist each week for this program.

Radio Prague International

I found reception of **R Prague** via **WRMI** on 15770 kHz particularly good at 2100 UTC on 3 July whilst listening on holiday in Ireland using an XHDATA-808 and about 10 metres of wire, and I enjoyed their **Sunday Music Show**.

Today's program featured the life and music of Waldemar Matuška (*pictured here, courtesy www.english.radio.cz*), to mark what would have been his 90th birthday, with many of



his somewhat catchy, slightly folksy, songs including "Rose of Texas" and his 1960 debut single "Suvenýr" (Souvenir). We learnt that in 1986 Matuska escaped Czechoslovakia, failing to return home from a trip to the US, and as a result the Communist authorities banned his music.

Whilst **R Prague** no longer broadcasts via their own transmitters, they continue to be heard via WRMI with daily broadcasts at:

- 1900-1930 on 15770 (not Wednesdays)
- 2100-2130 on 15770,
- 2330-2400 on 5850,
- 0300-0330 on 9955,
- 0400-0430 on 5800 and
- 1200-1230 9955 (not Sundays).

The **Sunday Music Show** is heard Sundays at 1900, 2100, 2330 and Mondays at 0300 and 0400.

That's all for this month – 73, Alan

International Broadcasting

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

On tap: BBC News versus CNN International

The BBC is undergoing another budget cut. One consequence is that the BBC's 24-hour global news channel BBC World News will be merged with BBC's 24-hour domestic news channel BBC News. "[T]he UK operation would see 70 job cuts, while 20 more on- and off-screen roles will be created in Washington DC. The new channel will be broadcast from London during UK daytime hours, and then from Singapore and Washington. The new channel will remain ad-free in the UK." (bit.ly/3cGg9JY) and so viewers outside the UK will continue to see ads ... sorry, adverts.

The BBC news release (bbc.in/3S1R2S8) puts a brave face on this channel- and job-reducing exercise. "Our aim is to create the best live and breaking video news service in the world - on our web pages, our apps, on BBC iPlayer and on our new TV news channel."

The new channel will be called BBC News. We might need to draw a chart to keep track of the names of the BBC's global news channels. First it was BBC World Service Television (1991). Then BBC World (1995). Later and to the present, BBC World News (2008). (bit.ly/3J9QDJu) The global-plus-domestic BBC News will start operation in the spring of 2023.

An interesting competition in global English-language news channels could ensue. In addition to the BBC's best-in-world ambitions, CNN, under the new leadership of Chris Licht, intends to become a more serious, less partisan news channel. (bit.ly/3z8Uim3) And there will be even more emphasis on CNN International. "You've heard me say we need CNNI now more than ever," wrote Chris Licht in a memo to CNN staff. (bit.ly/3RXv7eZ) CNN International often claims to have the largest global audience, at least among higher-income viewers.

Speaking of income, we need some jingle in our pockets to watch BBC World News (and successor) and CNN International. The video streams of these channels are not available free, online or elsewhere. You need (pay) access to a cable, DTH satellite, or internet streaming package that carries the channels. By contrast, Al Jazeera English, DW-TV, France 24, Euronews, RT, CGTN, NHK World, TRT World, Channel News Asia, etc., all provide free internet video streams.

Experimental radio, some of it on shortwave

Benn Kobb's Experimental Radio News, a free email newsletter, is interesting reading. It's a review of applications to the FCC for Experimental Radio Service and Special Temporary Authority licenses. These stations are involved in all sorts of intriguing projects, such as microwave counter-drone systems and communications with stratospheric balloons. Some of the licenses are for HF (shortwave) frequencies, thus of particular interest to NASWA members. Information about the newsletter is at experimentalradio.news.

From the just-issued ERN 5, here is the HF section:

High-frequency (HF) shortwave stations

Some of the experimental HF stations we are watching have been denied license renewal. These include 3DB Communications' WI2XXG (Maple Park, IL) and Amberwell's WL2XAB (Naperville and Orland Park, IL).

These and other HF stations of this type provide data links for private investors. In

lieu of renewal in the Experimental Radio Service, the FCC suggested that 3DB and Amberwell license instead as Experimental Broadcast stations.

Experimental Broadcast licenses, however, are limited to stations intended for reception and use by the general public (FCC rule 5.54(b)); can't offer regular programming (5.215(a)); can't ask for any payment (5.215(b)) and must report the degree of public participation in reception (5.207(e)).

Such licenses would seem poorly suited for HF stations engaged in international trading. One of the denied applicants, 3DB, is connected with DPA Mac which applied for an International Broadcast construction permit in 2020.

DPA told the FCC that it will employ "proprietary modulation ... for the benefit of fee-for-service customers." Proprietary modulation and non-public transmissions are not permitted to International Broadcast stations under Part 73F of the FCC rules. We await FCC action on this application.

County Information Services of Austin, TX applied to renew its license for HF station WH2XWU in Wanatah, IN, authorized at 768 kW ERP. This license expires August 1, 2022.

The Illinois and Indiana HF sites typical of such stations indicate connection to the CME [née Chicago Mercantile Exchange].

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

Shortwave Center

John Figliozi • 45 Algonquin Rd • Clifton Park, NY 12065 • jfiglio1@nycap.rr.com

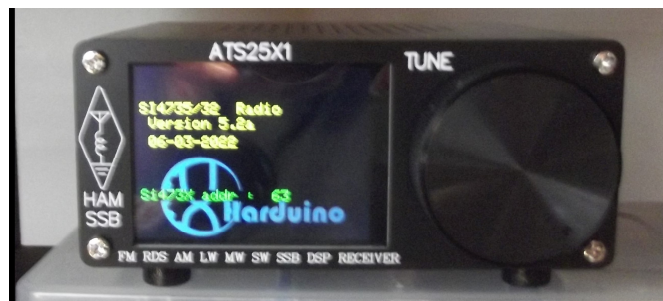
They call these the “dog days”. I never understood the derivation of that, but ok! This month, NASWA member Greg Majewski starts

us off with another well written review of a new DSP shortwave receiver—the ATS-25X1. As the song goes, “See you in September...”

SHORTWAVE RECEIVER REVIEW

ATS25X1 (a/k/a ATS-25+), Pleasantly Surprised!

By Greg Majewski



ATX25X1

The ATS-25 versions are interesting radios. The YouTube reviews of them are a mixed bag, with reviewers giving either a very good or very bad review.

The ATS-25 is an off-shoot of the ATS-20 radio. Both use the Silicon Labs SI4732 digital signal processor (DSP) radio receiver integrated circuit device. One uses a micro controller to configure the DSP and display the user information. The ATS-20 came first and uses an Arduino NANO processor with a small display. The ATS-25 versions have a larger (about 3 inches diagonal) display with ESP32 processor (higher speed).

The use of SI47XX devices is the standard design for small portable radios. I have several: C Crane Skywave USB, Xhdata D808, Tecsun PL-880, and Eton Elite Executive. All

the radios have similar performance and limitations. They have images (spurious mixing products) and tend to overload with long wire antennas. I found a wire longer than 3 meters (about 10 feet) clipped to the telescoping antenna will cause overload problems with strong local stations.

I did check the manufacturer’s specification sheet for the SI4732-A10 device. The radio’s frequency coverage is usually given as 100 kHz to 30 MHz. However, the SI4732-A10 specification sheet lists the following frequency coverage; 153-279 kHz, 520-1710 kHz, 2.3-26.1 MHz, and FM broadcast 64-108 MHz. What this means is that the manufacturer will not guarantee performance outside of the specified ranges. Using the device outside of the specified ranges may be the source of some problems found.

The specification sheet also only lists AM and wide FM modes. So how does the device receive a USB or LSB signal? One has to check the application note (AN-32) to get a hint. The application note does discuss loading a firmware patch and refers to firmware libraries (though no specific information on

the libraries is given). The micro controller must download the patch and re-initialize the device. This is why these radios mute and take several seconds to go from AM to either USB or LSB mode or back to AM mode. This is a sure sign that a SI47XX device is being used.

In using the ATS-25X1 and other SI4732 based radios, I have encountered images. A major issue is that a SI4732-A10 device uses a 45 KHz IF (intermediate frequency). With an image, if you know the frequency of actual transmission, then the difference between the image frequency and actual frequency is an integer multiple of 45. The input impedance of the device is about 5 Kilohms. When using a longer antenna, especially one designed for a 50 Ohm receiver with the ATS-25X1 and other SI4732 based radios, I found imaging to be a problem. The imaging occurs the most for me on the medium wave band, especially at night when the lower portion of HF has improved propagation and when using my 40-meter EFHW (end fed half wave) antenna.

The SI4732 also overloads. The problem is there is no AGC (automatic gain control) applied to the digital processing. The AGC is only applied to the analog RF preamplifier. There is only a limited range of gain adjustment. The actual AGC parameters and performance are not listed in the various documents available to me. It is what it is!

But, enough on the limitations of the standard design using a SI4732-A10 device.

My receiver came with a telescoping whip antenna that attaches to the BNC input connector. A USB A to C cable is supplied to charge the internal battery along with a microfiber cloth to clear the display. There was also key ring screwdriver that does not fit the screws on the receiver well.

Here is what I found and liked along with the "Oh, by the way". After I ordered the receiver, I searched the Internet for a user manual to help in learning the various menus to control it. Oops, there is no real manual!

After learning how to use the Malachite and its quirky user interface, I was not pleased to possibly have another 8-hour learning experience. But after getting the ATS-25X1, I was pleasantly surprised to find the menus are well laid out and easy to understand with a good font size. After only about a half-hour, I was all set on operating the radio.

There are two pages of menus. The first page has buttons for basic radio control:

- a. Vol(ume),
- b. Mute,
- c. AGC (only On or Off),
- d. ATT (this only reduces the analog amplifier gain, no real attenuation),
- e. Mode,
- f. Ham (Ham bands including LF beacon),
- g. Band (all the normal broadcast bands),
- h. Freq(ueency, a keypad to tune),
- i. BFO (active only in an SSB mode),
- j. Step (1, 5, 9, 10, 100[FM broadcast only] kilohertz),
- k. Bandwid(th) with values of 1.0, 1.8, 2.0, 2.5, 3.0, 4.0, 6.0 kHz,
- l. Next goes to second page.

The second page has the special functions:

- a. RDS (for FM RDS information, which only works on the strong signals),
- b. FM (this brings up the FM band by European cities),
- c. RETRO (an old time slide rule display for FM broadcast),
- d. MEMO(ry, this brings the menu to enter, edit and recall the 75 memories)

- e. >> UP (scans upward to the next strong station),
- f. << DWN (scans downward to the next strong station),
- e. SCAN (does a bandscan, best in AM mode, but SSB gives strange results),
- g. CHIP (gives firmware information),
- h. SETUP (Controls various initialization settings),
- i. LIGHT (controls the back light for the display),
- j. INFO (provides a list of radio settings and conditions)
- k. BACK (goes to first menu).

A "fat finger" or a stylus (hard or soft) can be used select a menu or option. I would recommend a soft stylus be used. The use of a stylus also reduces the possibility of picking up display electrical noise and eliminates the fingerprints on the display.

The back of the case has a slide power ON/OFF switch and a micro-C USB port for charging and loading software to the ESP32 via its boot loader, a process not for the uninitiated.

There is a red LED to show if the unit is charging the internal battery and the standard 3 mm stereo phone jack for headphones or a set of external speakers.

There is another slide switch to connect the external antenna BNC connector to either the LF/MF/HF section or the VHF FM broadcast section of the SI-4732. The antenna switch is a bit of a pain to ensure it is in the correct position. I have found that in the LF/MF/HF position, one can still receive strong local FM broadcast stations. However, when in the FM position, there is no LF/MF/HF reception. The other SI-4732 radios have user free switching of the antenna. Hopefully, someone will develop a modification of the ATS type radios to do the same.

The audio with the internal speaker is listenable. I prefer a pair of computer speakers for listening to local FM and AM broadcast stations. The audio there sounds better to my ears (though I do wear hearing aids).

The radio is advertised as a portable. However, I would argue it is not a good form factor for a portable. The radio's shape is nice for sitting on a desk or shelf. I added stick on feet (small dot type) to the bottom. They help to prevent the radio from sliding around when tuning.

The ATS-25X1 performance is basically the same as my other SI-4732 based radios, which raises the question: What is the best use for it?

To me, it is not a good travel radio because of the required external antenna. However, if you have a vacation spot that you visited regularly with trees for holding up a simple wire antenna, then the radio would be good. I have a nice local park with very low electrical noise, Fort Shantok, where I decided to try the idea out. The park has nice picnic tables with tall trees near them. I went to the park and got the Radio Master P-30 end fed antenna into a tree. The P-30 is an end feed random wire antenna with 15 feet of RG-174 cable, a center mounted 9:1 transformer and 15 feet of 20 AWG wire element.

At the park, I found the display was hard to see. I forgot to bring a stylus, so the fat finger had to be used. To see the display, I had to hold the case. I found that holding the case to see the display and using the fat finger to select menu items then one could hear some display noise pickup. At home, with a stylus and the radio sitting on a shelf, no display noise was ever heard. The experiment did confirm, however, that the radio is not for handheld operation.

At the park, using the search functions of the radio, I found in 44 stations in the AM broadcast band (medium wave); in FM broadcast band 45 stations; and in the HF AM mode 25 shortwave stations. This was in the morning from 10 to 11 AM local time.

I did a battery life test. I found from a fully charged battery that after 4 hours of listening to a local station, the battery state indicator was at the 75% level. It is highly likely that one could get 8 hours of operation from a fully charged battery.

I will be keeping the radio. I have found the RSSI (received signal strength indicator) display to be good for testing. The actual measured value is not accurate (+/- several dB), but relative changes in dB are accurate. I checked the relative change accuracy with a step attenuator and found it to be good on moderate signals. The radio also is handy for checking differences between two antennas.

Now to give the answer to the bottom-line question: Would I buy the radio again?

The answer is maybe.

There is a reason to say, "No". The radio is a standard design and there may be a better radio using the standard design from a different manufacturer.

SHORTWAVE STATION PROFILE

[Ed. Note: In recent years, Australia has spawned a small and apparently growing collection of very low power shortwave stations that provide DXers, particularly on the west coast of North America with some

There are reasons to say, "Yes". The ATS-25 family is an open-source design for both hardware and software. The software is available, and one can make a custom version to fit individual needs with some work. I have found most open-source systems tend to be improved over time because many people work on it and provide improvements. Even if the original designer/builder stops working on the project, then others pick it up. Linux is the best example of this.

For me, I will be improving my "Arduino" skills, which I have not used in a while. There are a couple of features that I may be changing. The radio is good to experiment on and experiment with antennas. The radio is also good to listen to local AM/FM broadcast stations. In the HF band, I use it to listen to **WBCQ**, **WRMI**, **BBC** (during daylight), **Radio Romania International** and **Mix Radio International** programs.

If you decide to get one of the ATS-25 receivers, then you should get one with the latest software/firmware. Date for the latest software as shown in the picture is 06-03-2022. If the vendor does not depict the startup screen in its marketing material, then it's possible the software is an older version and may have more "Oh, by the ways".

interesting and challenging targets. NASWA member and Journal layout editor Richard Murphy found this article and asks, "Has anyone ever heard of this station?"]

Australia's Tiny Island FM Reaches Far Beyond its Shores

By Hans Johnson
REDTECH magazine online
July 27, 2022
(Reprint of post)



An aerial shot of Australia's Bay Islands, home of Island FM. [Photo courtesy of Island FM]

BRISBANE, Australia — **Island FM 88** in Queensland, Australia, started local and has gone global. The station sits in the Bay Islands — four islands southeast of Brisbane. The islands are only accessible by ferry, and locals enjoy a more tranquil pace of life than on the mainland. The scenery is semi-tropical (think mangoes and citrus), and the bird watching is fantastic.

Shannon Shuttleworth started Island FM 88 in August 2019. It's licensed as a low-power open-narrowcasting (LPON) station. LPONs are limited in coverage and power, so Island FM is powered by just a few watts. But Shannon wanted his Island FM to reach all four islands. Starting out on Macleay Island, he tried site after site. When his friend Kevin Schwartz moved to Russell Island, Shannon

found a permanent location for the transmitter tower at Schwartz's house.

The tower sits about 35 meters above sea level, is 15 meters high and has a 5/8 wave vertical on top. The station plays music from the 1960s to the 1990s using RadioDJ automation, with Breakaway Audio Enhancer processing the audio. It also features community announcements and carries a few local advertisements.

Big hopes

"We need a lot of gear that we just can't afford at the moment," says Shuttleworth. Island FM tried raising some funds online, but the response was minimal. The station added a shortwave signal in early 2020.



Island FM's shortwave and FM tower. The FM antenna is the very top of the tower and shortwave balun is mounted on the tower about halfway down with two thin wires coming out of it. [Photo courtesy of Island FM]

Shuttleworth wanted to increase the power to 700 watts with a new transmitter late last year. Sadly, that transmitter failed minutes after being on the air for the first time. He shipped it back to the manufacturer for repairs and has no idea when he will see it again.

So, the shortwave signal now uses amateur radio gear, running a maximum of 200 watts

peak envelope power. The antenna for the shortwave is an inverted V with the balun mounted on the FM tower. The shortwave schedule is not fixed but is typically the overnight hours. This has allowed the small station a larger reach, perhaps larger than Shuttleworth imagined.

“Compared to the other Aussie low power stations, we are quite strong around Australia at night and into New Zealand. We also seem to have a lot of people in Europe and around there hearing us,” Shuttleworth explains.

So, even with the limited power, thanks to shortwave, Island FM 88 has become a station with a global reach.



Island FM's computer and FM transmitter. [Photo courtesy of Island FM]

[Ed. Note: The shortwave frequency is 5045 kHz. and the station is also online, which extends its global reach even further: <https://bayislandsradio.com.au>]

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. Missing issue emails should CC rm271828@gmail.com. Thanks!



(non) SHORTWAVE VINTAGE

Collectors' Corner - Regentone and Bush

By Nick Rank
British DX Club
Provided by Richard D'Angelo

Regentone DP3

The **Regentone DP3** (photo below) is a small table model with an "aeroplane" tuning dial covering medium and long waves. Introduced in 1960/61 it can be powered from DC or AC mains and went on sale for £9 7s. It has just the two control knobs, the LH one is ON/OFF and volume, the RH one being the 2-position wave-change switch.



Regentone DP3

The "Trader" sheet (No. 1287) only describes **Regentone** models DW1 & DP2. The DW1 is housed in a wooden cabinet, the DP2 in a cream or maroon plastic cabinet but my DP3 appears to be in a brown Bakelite case. I think the chassis were the same in all 3 versions though. A few capacitors were changed before it was powered up after which the background hum from the loudspeaker didn't seem too intrusive.

But the volume was a bit low and the MW sensitivity could have been better. No stations were coming through on LW. The Trader sheet helpfully gives the expected DC voltages that should be present on each valve and it soon became apparent some of

the anode and screen grid voltages on the rf valves were very low. A high resistance HT smoothing resistor was the culprit, its value having drifted from 2.2k ohms to above 4k ohms.

Replacing this resistor and shifting the short circuit on the LW oscillator trimmer restored reasonable reception on both wavebands. However, it had one more trick up its sleeve. After being on for around half an hour tuned to Droitwich on 198kHz, the audio was suddenly replaced by a very loud hum.

Peering in the back, the audio output valve (a UCL83, triode pentode) was glowing a strange violet color instead of the usual dull orange heater glow. Something inside the valve must have failed or shorted. Luckily, I had a spare which restored the audio.

Bush VHF90

The second set, a **Bush VHF90**, (photo below) is a larger table model dating from July 1956 when it would have cost £16 12s



Bush VHF90

(Purchase Tax extra.) Trader service sheet 1293 covers this model. It makes things a lot easier when working on a set if the circuit diagram is to hand and the "Trader" service sheets are a mine of useful information.

This set is also an AC/DC model and uses 7 U-series valves (UCH81 etc...) It covers the MW and VHF bands, up to 100MHz. I had replaced some components a while ago and remember spraying the gold trim around the Bakelite cabinet before storing it in the loft. It powered up again without incident and

the audio is very nice to listen to on both wavebands, with very little background hum.

An internal FM aerial plugs into a socket on the rear of the set and using this it will receive Radios 1-4 from both the Buxton and Holme Moss masts plus BBC Radio Derby. No reception of GHR though as it won't tune to our ex-High Peak Radio frequency of 106.4MHz. After it has thoroughly warmed up, the nostalgic smell of warm dust, resistors and Bakelite fill the room. (Unfortunately, this is not appreciated by everyone!)

SHORTWAVE BEGINNER

Choosing a Radio: Features and Benefits

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

What do you look for when choosing a radio? The advertisements for radios in Radio User (UK radio magazine) and radio dealers' websites consist of endless lists of features but how do these benefit the user?

If you have studied marketing, you will be familiar with the concept of features and benefits. In the early days of manufacturing there was virtually no choice and customers had to buy what was available. As competition developed some firms began to highlight the features of their products as a way of differentiating them from their competitors. As more firms entered the market it became clear that a more sophisticated approach was needed, and marketing began to focus on how the customer would benefit from their product.

A feature is simply something noteworthy about a product. Typical radio features would include frequency coverage, modes, RDS,

memories, power options, clock, inputs, bandwidth, tuning steps, Bluetooth, inputs, outputs, etc. Let us consider these features and what benefits they give the customer.

Frequency Range

FM radio. Most domestic radios cover 87.5 - 108 MHz. This is all you need for most of the world. Some world band radios have the option of setting FM coverage to include the OIRT band which is mainly used in Russia (65.9 MHz - 74 MHz) and the Japanese band plan of 76 MHz - 95 MHz. BDXC members have occasionally logged OIRT stations. Unless you are a global traveler coverage below 87.5 MHz is not an essential feature.

MW. In Europe 531 kHz - 1602 kHz is used, and in North America 530 kHz to 1700 kHz. Some low-cost radios might not have coverage between 1600 kHz - 1700 kHz.

These frequencies are regularly used by Dutch pirate stations and for coastguard maritime weather bulletins.

Low frequency. Many radios will only give coverage from 150 kHz upwards. If you are interested in the VLF spectrum (0 – 150 kHz) then you may need to invest in a specialist receiver. Some world band radios can go down to 50 kHz but tend to overload and produce spurious signals.

SW. Most world band radios and communications receivers will cover 150 kHz up to 30 MHz. Those in the £1000+ range now cover up to 3 GHz. Scanners used to cover up to 1300 MHz. There may be whole new radio worlds to discover in these upper ranges but there is no point in paying for something that you may not use.

Memories

If you are interested in scanning airband or other two-way radio frequencies then the more memories the better. For broadcast listening though do we really need thousands of memories? Tecsun H-501x and Tecsun PL-990x both have 3,150 memories. The Sangean ATS-909X2 has a more modest 406. Accessing memories can sometimes be complex and it is often easier just to key in the frequency. Personally, I think 100 is enough for SW listening purposes.

Modes

Most world band radios now have AM/FM/USB/LSB. Unless you are particularly interested in listening to radio amateurs then USB/LSB are not really essential on lower cost radios. The maritime mobile bands now seem quite dead, and the aeronautical mobile bands seem to be in decline as more aircraft use satellite communications. If you are keen on monitoring radio amateurs, then you may

find that some world band radios give have disappointing USB/LSB performance.

Power Options

Mains transformer. Many communications receivers will use a 12v supply. Some Tecsun world band radios use the 18650 rechargeable battery. If you are travelling with such a radio, you need to have the means to charge it up. Many domestic radios have the option of being mains powered or using conventional AA batteries (dry or rechargeable). The Sangean ATS-902x2 uses an AC adaptor or 4 AA batteries. That may be a better option if you travel a lot.



Sangean ATS-909X2

Inputs and outputs

A **headphone socket** is a must for private listening or DXing, preferably located at the front or side of the radio.

Aerial socket/s. An external aerial will always give better reception than a telescopic aerial. Some world band radios may only have an external socket for SW bands. Ideally FM and MW/LW should be able to have an external aerial.

Power input will be DC 5v for 18650 battery or generally 6, 9 or 12v for mains adaptor.

Bluetooth seems to have become a standard feature for domestic radios and many world band radios. For some reason, Tecsun do not list Bluetooth as a feature of their H-501x and PL-990x radios even though they are Bluetooth enabled! The rise of Bluetooth seems to have made **AUX in** sockets redundant. If you have an older MP3 player then you may want to be able to play it through the **AUX** socket of a radio.

A socket for an external speaker can be useful especially if you use a noise cancelling speaker.

Bandwidths/Tuning Increments

For serious DXing, it is very helpful to be able to adjust bandwidth. Several Tecsun radios offer a wide range of settings from 2.3 – 9 kHz on MW and 2.3 – 6 kHz on SW. This ability to cut out interference from adjacent stations is a big selling point although it does reduce audio fidelity. Being able to tune in 10hz steps makes for very smooth resolution of signals. This is especially useful for monitoring amateur radio transmissions.

Unwanted Features


Airband and micro-SD card MP3 players do not seem to meet anyone's need. A £60 handheld scanner is ideal for airband monitoring (and some other two-way comms). On world band radios airband must be tuned manually which is not much use unless you live near to an airport.

The micro-SD card seems an odd feature. In order to transfer music files from a PC you will probably need a USB adaptor to be able to connect the card to the PC. A record feature would be very useful but there do not appear to be any world band radios on the market with this facility.

Summary

If you are looking at buying a new world band or communications receiver, then draw up your own list of specifications and match these against the features listed by the manufacturer.

[Ed note: for serious DXing, a receiver's sensitivity, selectivity and dynamic range are also key.]

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) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic Flashsheet edited by Mark Taylor, markokpik@gmail.com. The club's electronic Flashsheet helps members stay on top of the action with breaking shortwave news and information. The electronic newsletter is an excellent supplement to the monthly Journal for the timely dissemination of DX loggings and breaking news. 

The Robinson Report

Daniel Robinson • PO Box 3292 • Allentown, PA 18106 • dxace1@gmail.com

The Changed Nature of the Hobby

It comes as no surprise that there has been what I call a major shift in focus for those of us who are hanging on to what's left of the shortwave listening hobby.

No mystery. The partial or complete departure from shortwave of stations that we thought somehow would forever be with us – Voice of Greece, All India Radio, Guinea, to name a few – has for many returned us to a spotlight on the technology that made this journey possible.

I am asked this question a lot, by friends who know me and my decades-long addiction to receiver collecting: why do you have so many radios that hear the same thing? It's a stumper, right?

My answer is usually this: each has its own characteristics and capabilities in how it brings signals in from an antenna, and different tools it was designed with to process those signals.

Now, the fact that there are far fewer of those signals to hear and process in 2022 is the reality all of us wrestle with – and that has had a major impact on the hobby.

Whereas a listening session in 1975, 1980 or 1995 would have had us hearing a much broader range of countries and stations, today we aggressively target certain stations such as the new low power outlet in Australia, or the few Brazilians or Peruvians still on shortwave.

Back to the shift in focus I mentioned at the top. My fascination is now on appreciating the history of receivers, the designs that went into making them what they were and still are, and enjoying using older technology sets and comparing them to new receivers available in 2022.

In the course of a DXing career that began in the late 1960's, my interest was multifaceted. In the beginning, I enjoyed the FACT of being able to hear distant countries, but also enjoyed QSLing. And the different processing tools various radios made available, and my love for specific brands, was always intense.

Thus, here we are in 2022, and I still have two Hammarlund HQ-180s (one 180AX, one 180A). My second “major” receiver – the Drake SPR-4 – is another still in the shack (I actually have two).



Hammarlund HQ-180A

In 1973, the SPR-4 traveled with me to Swaziland where I was an AFS exchange student living in Mbabane. In the 1980's, I

brought my HQ-180 and SPR-4 to Kenya where I was based as VOA's East Africa correspondent. In the 1990s, the SPR-4 went with me to Thailand.

In later years, I developed an interest in premium sets. I was able to acquire two WJ-8718A receivers in a U.S. government surplus sale in Bangkok. Today, some 30 years later, three WJs are here in the shack among a large number of premium rigs including Cubic, Rhode & Schwarz, AEG/Telefunken, Racal, and others.

Where portables are concerned, it's been a bit of a back-to-the-past story. I developed a love for classic receivers such as Grundig Satellit 500s and 700s, and a range of SONY sets.

My first mini-portable was a SONY ICF-SW1, obtained in one of the world's great shopping cities: Singapore. That amazing technology piece accompanied me on reporting trips in Burma, Cambodia, Vietnam, and Indonesia. The SW-1 was replaced some years later by a SW-100 (one of which I still have).

In the late 1970's like so many others I was mesmerized by the SONY ICF-2001. I recall eagerly paging through the New York Times to see what prices that receiver could be obtained for at the old 47th Street Photo and similar shops in New York City.

Though I replaced the 2001 with the SONY ICF-2010 in the 1980's, I never lost that initial feeling and thrill of tuning on the older model. In recent months, when a mint condition ICF-2001 became available I jumped on it. That "feeling" of tuning the 2001 brought back memories I thought had been long forgotten.

On any given day here in Maryland I can be found putting the various reception tools contained in my receivers to work in hearing

whatever there is to hear, such as Brazilians in 60 and 31 meters, or U.S. pirates in the 6,900 khz range.

The amazing multiple filters on a R&S EK-056 provides the equivalent of what can be found on a WJ-8711A or Ten Tec RX-340 or ICOM IC-R8600. The fantastic passband tuning and notching abilities of a Drake R-7A give my JRC NRD-630 a good run for the money.



R&S EK-056

Sometimes, one yearns for simplicity. So, I power on my Kenwood R-1000, still one of the best performing receivers of all time, or my R-2000 and sit back to enjoy the beautiful audio from these classics, or from a Lowe HF-250.

I am constantly revising my list of "top" receivers based on these decades of experiences. We all have our Top 5 or Top 10,



Drake R-7A

and this topic is always great fun at the few in-person gatherings of SWLs that are still occurring.

In future columns, I plan to discuss receivers that are on my TOP list. But as of the time I am writing this, they include: the AOR 7030+ (NB7030), Drake R7A, the Drake R8 series, the JRC NRD-515, and the SONY ICF-2010, and the Hammarlund HQ-180/A.

Listener's Notebook

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

Times are UTC and frequencies in kHz.

ALASKA Updated A-22 schedule of KNLS The New Life Station via two txs from July 15 tx#2 Anchor Point was back on air:

0800-0900 on 9695 English tx#2
0800-0900 on 11875 Chinese tx#1
0900-1000 on 9695 Russian tx#2
0900-1000 on 11875 Chinese tx#1
1000-1100 on 9580 English tx#1
1000-1100 on 9685 Chinese tx#2
1100-1200 on 9580 Russian tx#2
1100-1200 on 9730 Chinese tx#1
1200-1300 on 7355 English tx#2
1200-1300 on 9795 English tx#1
1300-1400 on 7395 Chinese tx#2
1300-1400 on 9740 Chinese tx#1
1400-1500 on 7355 Chinese tx#2
1400-1500 on 9580 English tx#1
1500-1600 on 9760 Chinese tx#2
1500-1600 on 9800 Russian tx#1
1600-1700 on 9580 Russian tx#1
1600-1700 on 11870 Chinese tx#2
1700-1800 on 9580 Russian tx#1
1700-1800 on 11870 Chinese tx#2 (DX Mix-Bulgaria)

ALGERIA Algerian Radio has started testing from their new SW sites at Ouargla and/or Bechar, where installation of new 300 kW Ampegon transmitters has been underway for several years to cover the Sahel region. TDA facebook page reported (21 July) that

technicians at Berkaoui (near Ouargla) are preparing for the launch of the new SW centre there. Radio Algiers heard since tune-in at 1600 today on 15340 with low audio modulation, also noted since 2045 tune-in in parallel on 15100 with a much stronger signal and better audio. Programming mostly in Arabic, with some French. Currently (at 2110) 15100 and 15340 are in parallel with the web feed of Radio Algerie Chaine 1 in Arabic. The schedule so far does not reflect HFCC registrations. (Dave Kenny-UK/Shortwave Bulletin)

Test transmission of Telediffusion d'Algerie TDA via Ourgla, July 23:
from 1000 on 15340 ORG 300 kW Arabic (DX Mix-Bulgaria)

Test broadcasts of Telediffusion d'Algerie TDA via Ourgla, July 23/24:
1700 & 1800 on 15340 ORG 300 kW Arabic
1800 & 2100 on 15340 ORG 300 kW Arabic (DX Mix-Bulgaria)

Telediffusion d'Algerie TDA via Ourgla & Bechar, July 23:
from 1900 on 15340 ORG 300 kW Arabic
from 1900 on 17600 BEC 300 kW Arabic (DX Mix-Bulgaria)

Test transmissions of Telediffusion d'Algerie TDA via Bechar, July 23:

from 2120 on 15100 BEC 300 kW Arabic (DX Mix-Bulgaria) This is being heard at decent level in No. Am. (RAD)

Telediffusion d'Algerie is on unregistered 7200, July 25:

till 0500 on 7200 BEC 300 kW Arabic, instead of 7205

Parallel freq 7430 ORG 300 kW Arabic - IS NOT ON AIR! (DX Mix-Bulgaria)

ANDORRA Monthly broadcasts from the archives of Radio Andorra have continued. The broadcasts are heard on the first Saturday of the month, the schedule on 4 June was: 1700-1900 on 6180 via Moosbrunn to Europe 2200-2400 on 13730 via Moosbrunn to North America (also heard well in UK) Future confirmed broadcasts will be on Saturday 2 July and Saturday 6 August. The 4 June broadcast featured French crooner and chansonnier Guy Marchand. The next broadcast will be on Saturday 2 July at 1700-1900 on 6180 via Moosbrunn. It will be a Hit Parade presented in French. (Christian Ghibaudo-France/British DX Club)

ANGOLA 4950, R. Nacional de Angola, Mulenvos; 13/07, 2139-2250 music, talks totally unreadable, ToH time pips, African music selections, male in Portuguese "momento ... musical" return music, comments, slow music, talks "Angola", music. Poor to fair, improving until 2230, then deteriorating; partially readable. RNA returned at 13/07 but some only spread the news, 2 days later. RNA was silent since 12/03/2022, 2351. (Lucio Bobrowiec-Brazil/Hard Core DX) 4949.7, Radio Nacional de Angola, Mulenvos, 1956-2016, 14-07, comments, songs. Strong carrier, extremely weak audio, barely audible, best on LSB. Also heard 0450-0505, 15-07, comments. Extremely weak. Also heard 2005-2019, 17-07, songs, comments. Weak, best on LSB. (Manuel Méndez-Spain/Hard Core DX)

ANTARCTICA 15475.98 RCUSB, Wednesday June 29 from 1430 on Buenos Aires remote, no signal until *1447 LRA36 cuts on amid song and nothing but musical préludes until 1500 sign-on, multi-lingual, in Ciclo Radial 2022, staff list. 1502 Antártida theme song. 1505 YL about Base Esperanza, population, school for some kids, again claims falsely to be first SW station in Antarctica. 1507 `Sounds of Silence` song with Spanish lyric mentioning Antártida. Abruptly chopped off air at 1518* and not heard further. People are reporting getting eQSLs signed by the four woman staff. Kari Kallio's, Finland, says power is 300 watts to a rhombic. However, Manuel Méndez, Spain got one too, as a reply not to a reception report but to an inquiry he sent before they ever resumed broadcasting, citing the date and time of his mail, when they certainly were not on air: (Shortwave Bulletin)

ARMENIA Reception of Trans World Radio TWR India in English via CJSC Yerevan, July 28:
1430-1500 on 13690 English Mon-Fri (DX Mix-Bulgaria)

13690, TWR Asia, via Gavar, QSL in 48 days. Report in English sent to: asiafeedback@twr.org. (Christian Ghibaudo-France/DX Fanzine)

AUSTRALIA Shortwave Australia: Kiwi DXer John Durham heard a non-stop music test on 4835 on Monday (July 4) around 0830: I monitored the frequency the following day 5 July between 0830 and 1000 and heard continuous classic pops plus occasional identifications for "Shortwave Australia". Frequencies were announced as 2310 and 4835. Checking Australian SDRs, the best reception of 4835 was on receivers in South Australia and Tasmania, both with better signals than what I was hearing in NZ. I haven't checked out 2310 reception yet. No indication in the broadcast of how to contact the operator. At one point he said he

wondered if his only listener was the 'man in the moon'! (Bryan Clark-New Zealand) Hearing this one on 4835 with rather good signal from 0515, with long discussion about different music formats. Nice audio quality, quick ID for Shortwave Australia at 0525 over the program. (Matt Francis-Australia) I have received a prompt response to my report of reception for the station heard on 4835 yesterday. Operator David Stuart vk3ase@yahoo.com says: "I have obtained the old Alice Springs domestic shortwave frequencies and am doing for a few grand what the ABC could not do with a 1.2 Billion budget each year. A lot of inland and northern Australia has no daytime AM or FM coverage and at night the AM band is swamped with signals from Asia so its very hard to get an Australian station. It was a bad idea to close them down but the CEO at the time thought they were old fashioned and had to go, and AM would be next - thankfully after other stupid decisions she was sacked. The idea is to have some Australian presence on shortwave so I have obtained the licences and since I have recently moved to a farm 20km north of Bendigo in Victoria, I have the space to put up some antennas and broadcast. Most of the equipment is homemade - I am currently running two 100 watt transmitters on 4835 feeding 2 dipoles, one North-South, the other East-West. On 2310 I have a dipole as well, and 100 watts. Will soon have a double system for that as well. The dipoles are up around 60ft. It is early days and I am testing the systems and will get more power and better antennas. The licences are for 5kw but I will never run that due to power bills but may go to 500 watts. This is a totally non-profit hobby affair." I think there is still quite a community interested in DX so I hope I give some people a bit of fun with something else to listen to. I am currently running from 3pm till 8pm (ie 0500-1000. BC) my time and not starting 2310 till sunset as it goes nowhere before then. As I have not set up any automation yet, the station may

not be on if I have to be out. The ACMA Register shows the licences are located at 1450 Eaglehawk-Neilborough Road, which is north of Bendigo, Victoria. The YouTube channel includes a view of the new location. (Bryan Clark-New Zealand/DX Dialog via Jerry Berg)

An apparent new shortwave service from the Bendio area of Victoria has emerged without fanfare on two frequencies, being widely heard. Announces on air as transmitting from "outback Victoria", though Neilborough is just north of Bendigo - not exactly remote. The licensee also holds an amateur licence, VK3ASE. Announces a mobile number on air for "talkback". Audio and transmission quality is good, reflecting appropriate technical expertise. (Australian DX News) I managed to get in touch with the operator of the new station, to ask if he would QSL either electronically or with a card. I got this back as a reply. "Thanks Richard, As i have only been at this property a few months and setting up the technical side of things i have not put much thought into cards but i guess i could put something together so will let you know." As he is a ham I would have thought that might have been on his mind, but we will see. (Richard Jary/ARDXC)

AUSTRIA Reception of Radio Pravda dlja Rossii in Russian via Moosbrunn, July 23:
1500-1600 on 13600 Russian Tue/Thu/Sat
(DX Mix-Bulgaria)

Reception of Oesterreichischer Rundfunk-1 via Moosbrunn, July 25:
1000-1100 on 13730 German Mon-Sat (DX Mix-Bulgaria)

BANGLADESH Reception of Bangladesh Betar Ext. Sce in Nepali via Shavar, July 22/23:
1230-1300 on 4750 English
1315-1345 on 4750 Nepali. Very good via SDR
So Phisal, Thailand

1400-1430 on 4750 Urdu, inactive at present - from a long time!

1515-1545 on 4750 Hindi

1600-1630 on 4750 Arabic

1630-1730 on 4750 Bangla

1745-1900 on 4750 English

1915-2000 on 4750 Bangla (DX Mix-Bulgaria)

4750, Bangladesh Betar Ext. Service, No data QSL card showing "Traditional way of fishing in Bangladesh" with a letter confirming freq. and date of reception from Md. Towhidar Rahaman, Sr. Engineer. Email: rrc@dhaka.net. (Pradip Chandra Kundu-India/Asian DX Review)

BOLIVIA 3310, Radio Mosoj Chaski, Cochabamba. Andean flavoured songs and anncts. at 1015, weak signal in the noise, 1/7. (Wagner-Australia/Australian DX News)

5952, R. Pio XII, Bolivia, Siglo Veinte; 16/07, 2344-2350 male in spanish talks (sometimes exalted). Very weak, het, QRN; check at 0030 (17/07) still on air at unusual hour. (Lucio Bobrowiec-Brazil/Hard Core DX)

BRAZIL Radio Casa is now broadcasting 24 hours a day with the addition of 4005. Recent hardware changes bring power on 4005 at 50 watts, 5900 at 500 watts, 7455 at 350 watts and 8000 at just 13 watts. Full data QSL verification's are available through telephone number: +55 19 99945-6585. (Pedro Castro-Brazil)

Fair to good signal of Radio Brasil Central via Goiania on July 24: from 1022 on 4985 GOI 010 kW Portuguese (DX Mix-Bulgaria)

4885, Radio Clube do Para, Belem, 0445-0535, 14-07, relaying Radio Bandeirantes news. 25422. Also heard 0448-0520, Brazilian songs, ID "Radio Clube do Para..., emissora da Rede Amazonia de Comunicacao, Belem, Para, Amazonia, Brasil", "Clube da

Madrugada". 35433. (Manuel Méndez-Spain/Hard Core DX)

4924.8 Radio Rural, Tefe, instead of Radio Aparecida. Radio Rural, Tefe, checked today from 0430 to 0510, June 19, no audio, only strong carrier today. Checked its website streaming, relaying Radio Aparecida program "Com a Mae Aparecida". (Manuel Mendez-Spain, hcdx June 19/TopNews) Having been off the air since February Radio Rural from Tefe is back on 4924.8. Noted around 0020 on 18 June with local advs and IDs "Rural 93.9" and "Rural FM uma rádio por un mundo melhor" (Rafael Rodríguez R.-Colombia HCDX/British DX Club) Also confirmed at 0440 on 18 June relaying Radio Aparecida. (Manuel Méndez-Spain/British DX Club)

4985, Radio Brasil Central, Goiania, 0440-0520, 18-07, Brazilian songs, comments, id. "Radio Brasil Central", program "Madrugada Musical". Much better signal than in the past, wch was difficult to hear here on that frequency. // 11815. 35433. (Manuel Méndez-Spain/Hard Core DX) 4985, Jul 23, 0005, R Brasil Central, Goiãnia, ann, Brazilian songs - reactivated frequency. (Méndez-Spain/Shortwave Bulletin)

11780, Radio Nacional da Amazonia, Brasilia 2000-2024, 01-07, ID "Radio Nacional da Amazonia, ondas curtas, 11780 kHz, faixa de 25 metros, 6180 kHz, faixa de 49 metros, emissora da Empresa Brasil de Comunicação", program "Punto de Encontro", Brazilian songs. 35433. ([Manuel Méndez](#)-Spain/DX Dialog)

15189.9, Radio Inconfidencia, Belo Horizonte, 2002-2020, 17-07, soccer, "Campeonato Brasileiro", live matches. 25422. (Manuel Méndez-Spain/Hard Core DX)

CANADA CHU time signal station resumed on SW 3330, 7850 and 14670 on 30 May having

been off since a storm on 21 May. (British DX Club)

6070, CFRX Toronto, Postal QSL received in 20 days for report sent to: cfrbcfrxreport@gmail.com. (Bill McDavitt-FL) 6070, CFRX, Toronto, 0450-0520, 03-07, English, news, comments. Strong QRM from Channel 292 with "The Overcomer Ministry". 21421. ([Manuel Méndez](#)-Spain/DX Dialog)

CHINA Voice of Strait relaying CNR1 (4900\\4940) Voice of Strait with new schedule? On both July 8 & 9, from 1038 till 1100; instead of the usual VOS programs, heard 4900\\4940 clearly with relay of CNR1 (\\6125), all with fair signals; at 1100, both VOS frequencies ended CNR1 coverage and went to their individual VOS programming; both no longer \\. Certainly this is a new development, but is it really a regular segment now? (Ron Howard-CA/TopNews)

6035, Jun 28, 1300, Made a quick check to confirm "Yunnan Radio International" is still using their nice multilanguage IDs (Chinese, Vietnamese and English). Yes they are! Into Vietnamese programming for a half hour segment before going back to Chinese. (Ron Howard-CA/DX Fanzine)

CLANDESTINE Very good signal of Voice of Oromo Liberation via Nauen, July 27: 1700-1730 on 15420 Afan Oromo Wed/Fri/Sun (DX Mix-Bulgaria)

Reception of Voice of Martyrs Korea in English unknown tx, July 20: from 1501 on 11620 English (DX Mix-Bulgaria)

Radio DLSN / Vietnam Democracy Radio in Vietnamese via Paochung, July 24: 1230-1258 on 9670 Vietnamese (DX Mix-Bulgaria)

Reception of Radio NUG of Myanmar in Burmese via Paochung, July 20:

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

Registered frequency for Radio Ominira Yoruba eff. from August 1: 1900-2400 on 9450 WOF Yoruba Radio Freedom Yoruba (DX Mix-Bulgaria)

Very good signal of Nippon no Kaze in Korean via Tamsui, July 21: 1300-1330 on 9940 Korean (DX Mix-Bulgaria)

Very good signal of Furusato no Kaze in Japanese via Tamsui, July 21: 1330-1357 on 9705 Japanese (DX Mix-Bulgaria)

Reception of Mizzima Radio in Burmese via ENC-DMS Al-Dhabbayya, July 21: 1130-1300 on 17730 Burmese (DX Mix-Bulgaria)

Reception of Dimtse Radio Erena via SPL Secretbrod, July 22: 1700-1800 on 11810 Sofia Tigrinya (DX Mix-Bulgaria)

Reception of Dimtse Woyane Tigray via TDF Issoudun, July 25: 1500-1600 on 17870 Tigrinya (DX Mix-Bulgaria)

Reception of OOPM Raadiyyoni Dirree Shaggar via TDF Issoudun, July 25: 1600-1630 on 15415 Afan Oromo (DX Mix-Bulgaria)

Echo of Hope - VOH (Suwon-Osan, Sth Korea): 3985 // 4890 // 5995 // 6255 // 6350 // 9105, from 1122 to 1150; the EBS TV audio feed for the English language lesson "Wang cho bo yeong-eo," which is always aired only on weekdays; intro and exit theme song is the "Party Will Come Alive" by Wizardz Of Oz; the usual intro with announcer saying "English trainer" and gives his name, then the woman announcer says her name; later at 1241, with the EBS news

headlines and news stories in English and Korean. These frequencies should be good through July 17 (Sun.). (Ron Howard-CA/Mount Evelyn DX Report)

Voice of the People (Goyang, Gyeonggi-do): 3480 // 3910 // 3930 // 4450 // 6520 // 6600, at 1125. As usual, it has been a long time now with no changes! (Ron Howard-CA/Mount Evelyn DX Report)

Shiokaze/Sea Breeze: 5920 // 6040, at *1300, from Yamata (Japan). Continues to be free from N. Korea jamming! Strong 6040 causing QRM for Yunnan Radio International (China) on 6035, in Vietnamese. (Ron Howard-CA/Mount Evelyn DX Report)

Voice of Freedom (Chuncheon, Sth Korea): 6045, at 1130; poor due to N. Korea super jamming, along with pulsating noise jamming. Super jamming was also noted on 6135, against no known station. (Ron Howard-CA/Mount Evelyn DX Report)

5920, Jun 28, 1340, first day on 5920 // 6040 (ex: 5935 // 6070), Shiokaze/Sea Breeze, broadcasting from a site at Yamata (Japan). Comment today from Hiroshi - "It is unusual that there was no change for a month and a half," which I believe must be due to the current lack of any N. Korean jamming against them. So why keep changing frequencies now? Why not just pick two clear frequencies and stay with them? Unfortunately their being on 5920 is now totally killing any chance of hearing Voice of Freedom, also on frequency. (Ron Howard-CA/DX Fanzine)

ECUADOR 6050, HCJB, Pichincha, 0350-0500*, 02-07, Spanish, comments, Ecuadorian songs. Strong QRM from Algeria from 0358 to 0458. 31431. ([Manuel Méndez-Spain/DX Dialog](#))

EGYPT Radio Cairo back on air. I listen out for them every day. The last broadcast in any

language was on June 16. It's unusual for them to be off air for such a long period. I sent an e-mail to their Propagation Department on Jun 21, asking whether they have abandoned short wave. I haven't received a reply yet, but I notice that today they are back again on 9410 at 1600 in Albanian. The second transmitter which was used for Turkish, Russian and French (9900, 9870 and 9810) has been off air for seven weeks. Recently, there were a number of consecutive days when the English programme was heard with perfect audio, but the transmitter hum made listening very tiring. With nine transmitters on site, they must be able to fire up one of the others, or if not working, they could cannibalize them for spare parts for the two that are operational. It is likely that the technicians lack the expertise to undertake any serious repair work on their aging transmitters. (Alan Holder, G4ZBH; Isle of Wight-UK/TopNews)

ENGLAND Very good signal of BBC World Service in English via ENC-DMS Woofferton, July 25:

1400-1500 on 15740 English Mon-Fri (DX Mix-Bulgaria)

9505, BBC World Service to Antarctica, E-QSL in some minutes. Report sent to: <https://eqsl.tools.bbc.co.uk/>. (Christian Ghibaudo-France/DX Fanzine)

ESWATINI Frequency change of Trans World Radio Africa in Arabic via Manzini: 1802-1902 NF 9950 Arabic Mon-Fri, ex 9800 (DX Mix-Bulgaria)

Reception of Trans World Radio TWR Africa in Juba Arabic via Manzini, July 27: 1530-1545 on 13580 Juba Arabic Mon-Fri (DX Mix-Bulgaria)

Reception of Trans World Radio TWR Africa in Kirundi via Manzini, July 27:

1557-1627 on 13580 Kirundi Mon-Fri (DX Mix-Bulgaria)

13580, TWR Africa, Manjini email report verified with a beautiful full data E-QSL card. Interestingly, frequency mentioned in E-QSL as 1385. This time it was from a new QSL-in-charge Britta Pfeiffer (in place of Lorraine Stavropolous). Email was sent to lstavrop@twr.org. (Pradip Chandra Kundu-India/Asian DX Review)

ETHIOPIA 6010, Radio Fana, Addis Ababa, 2015-2033, 15-07, Vernacular comments, East African songs. 35433. (Manuel Méndez-Spain/Hard Core DX)

EUROPEAN PRIVATE SHORTWAVE STATIONS As of July 1, 2002. Only legal stations are included. Most stations use low power, but a few use several kW. Note that UTC is used here - not CET nor CEST! Abbreviations used: D = Germany, DNK = Denmark, FIN = Finland, NL = Netherlands. A.o. = and others, F.pl.: future plan, Int'l = International, Irr. = irregular, LT = Local time, 24/7 = twenty-four hours a day, seven days a week Mo = Monday, Tu = Tuesday, We = Wednesday, Th = Thursday, Fr = Friday, Sa = Saturday, Su = Sunday:

3955 D Radio Channel 292 Rohrbach Waal Daily 0600-2000 & 2100-0500

3975 D Shortwave Radio Winsen Daily 1800-2200

3985 D Shortwaveservice Kall-Krekel Daily 1400-1930 ('R.Popexpress'a.o.)

3995 D HCJB Weenermoor 24/7

5920 D HCJB Weenermoor 24/7

5930 DNK World Music Radio Bramming 24/7

5955 NL Sunlite Westdorpe Daily 0400-1800

5970 DNK Radio208 Hvidovre 24/7

5980 DNK Radio OZ-Viola Hillerød We 2100-2200

5980 FIN Scand. W/end R. Virrat 1st Sa of the month 18-20

6005 D Shortwaveservice Kall-Krekel Daily 0800-1600

6005 NL R. Delta Int. Elburg F.pl. (Fr or Sa 2100-0300)

6020 NL R. Delta Int. Elburg Irr. (Su 0600-1500)

6055 DNK Radio OZ-Viola Hillerød Sa-Su 1100-1300

6070 D Radio Channel 292 Rohrbach Waal 24/7

6085 D Shortwaveservice Kall-Krekel Daily 0700-1700 ('R. MiAmigo Int'l')

6115 D Radio SE-TA 2 Gera Irr. (1000-1200)

6130 NL Radio Piepender Zwolle Irr.

6140 NL Radio Onda, Belgium Borculo, NL Irr. (weekends only)

6150 D Europa 24 Datteln Daily 0700-1605

6160 D Shortwave Radio Winsen Daily 1600-2000

6170 FIN Scand. W/end R. Virrat 1st Sa LT of the month 21-18 & 20- 21

6185 NL Radio Piepender Zwolle Irr.

7260 NL Rockpower Nijmegen Daily 0730-1200

7270 NL Rockpower Nijmegen Daily 1200-1600

7365 D HCJB Weenermoor 24/7

7425 NL Radio Piepender Zwolle Irr.

7445 NL Radio Piepender Zwolle Irr. (0800-1800)

9670 D Radio Channel 292 Rohrbach Waal 24/7

11690 FIN Scand. W/end R. Virrat 1st Sa LT of the month 21-15 & 20-21

11720 FIN Scand. W/end R. Virrat 1st Sa of the month 15-20

15700 DNK World Music Radio Randers 24/7

15785 D BitExpress Erlangen 24/7 DRM-modulation ('Funklust')

25800 DNK World Music Radio Mårslet, Aarhus 24/7 (New Zealand DX Times)

FRANCE Meteo bulletin of Mini-Transat via TDF Issoudun from July 19 to August 16:

1500-1530 on 5975 French/English

1500-1530 on 13735 French/English (DX Mix-Bulgaria)

GERMANY Reception of HCJB Voice of The Andes via MBR Nauen, July 23:

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

Atlantic 2000 International's next transmission will be on 13 August 0800-0900 on 9670 still via Channel 292 in Germany. (Christian Ghibaudo-France/British DX Club) SM Radio Dessau will broadcast on 14 August with 100 kW via MBR Nauen at 1500 on 6095. Reports can be sent to axberger@smradio-dessau.de or by post to Max Berger, Saalestrasse 44, 06846 Dessau, Germany (via Dr Hansjoerg Biener ADDX/British DX Club)

Radio Pravda dlya Rossii has revised schedule: 9670 at 0500 Wed/Fri (low power) - via Channel 292 Germany 13600 at 1500 Tue/The/Sat/Sun (high power) - via Moosbrunn, Austria .hf-transmitter@web.de @Radio22_HF posted on Twitter on 14 June: "Due listeners feedback and summer propagations on HF we increase our schedule on 13600 (high power) and cancel 6070 for the moment." (Alan Pennington-UK/British DX Club)

9670, Atlantic 2000 International via Rohrbach Waal, e-QSL in 2 days. Report in French sent to: atlantic2000international@gmail.com. (Christian Ghibaudo-France/DX Fanzine, Nice, FRANCE)

GREECE Voice of Greece has not been heard on SW since 15 June when it was on the air from 1235-1705 on 9420. Sadly this may have been its last SW broadcast. The SW service had been due to close at the end of May but transmissions were extended for two weeks "Following a suggestion by the General Director of Technology and Media Operation of ERT, but also a request from the Ministry of Defence, the Voice of Greece will continue to broadcast proportionally at least until 15 June, when "the conditions will be re-evaluated". (British DX Club)

GUAM Frequency changes of KTWR Trans World Radio Asia eff. from July 3:

1315-1345 NF 9320 Korean Mo-Fr, ex 7510
1345-1515 NF 9320 Korean Daily, ex 7510
1515-1545 NF 9320 Korean Sa-Mo, ex 7510
1500-1545 on 15205 English Sunday DRM, new
1600-1630 on 15390 Various Sunday DRM, new (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in English via Agana, July 21:
from 1102 on 11965 English (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in Ukrainian via Agana, July 28:
1601-1701 on 15200 Ukrainian (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in Russian via Agana, July 21:
1702-1802 on 13660 Russian (DX Mix-Bulgaria)

11590, eQSL KTWR Trans World Radio. 30 May 2022, 1701-1801; E-mail: asiafeedback@twr.org. "June, 2022 - Dear Mr. Klepov, Greetings from Guam! Thank you for taking the time to send us a reception report. It is always great to hear from listeners in many different locations and to know how our signal is getting through. For reception reports received via email, we send an eQSL card unless paper is requested. Linda Alvord - TWR Asia Broadcast Monitoring Department, P. O. Box 6095, Merizo, GU 96916-0395 Guam Pacific". (Anatoly Klepov-Russia, RUSdx #1192 via wwdxc BC-DX TopNews July 3)

HAWAII: 15000, WWVH, QSL received in 15 days for a report and video sent to: wwvh@nist.gov. (David Smith-UK/British DX Club) QSL from standard frequency & time signal station WWVH in Hawaii which was received by David Smith in Huddersfield on 15000. This frequency is shared with WWV

from Fort Collins, Colorado. You can easily distinguish the two stations as WWVH has a female voice announcement and WWV a male announcement, giving the time each minute. WWV transmits on 60 kHz as well as SW 2500, 5000, 10000, 15000, 20000 and 25000. WWVH transmits on SW 2500, 5000, 10000 and 15000 (British DX Club)

INDIA Summer A-22 registered frequencies of All India Radio External Service in Russian:

0215-0345 on 15145.0 BGL Russian but inactive at present

1530-1700 on 9910.0 BGL Russian but inactive at present (DX Mix-Bulgaria)

Reception of All India Radio External Service in Swahili via Bengaluru, July 27:

1215-1315 on 15030 Swahili (DX Mix-Bulgaria)

Reception of All India Radio External Service in Pashto via Bengaluru, July 27:

1230-1400 on 11560 Pashto (DX Mix-Bulgaria)

All India Radio Tibetan Service is on new frequencies from today (June 29) at 1045-1215 viz 9950 & 11560 replacing 9910 & 11590. (Jose Jacob-India/ DX India)

7380, AIR, Bengaluru. 0100-0139 in Sindhi to Pakistan, new service at this time, 1/7. (Wagner-Australia/Australian DX News)

9909.82, AIR, Delhi. Down from the registered 9910, 0100-0230 Tibetan to Tibet NF (ex 9875), fair signal, 1/7. (Wagner-Australia/Australian DX News) 9909.82, AIR, Delhi. Nepali to Nepal, additional freq for this service, // 11560, 15030, good sigs on all three freqs, 1/7. (Wagner-Australia/Australian DX News)

15030, AIR, Bengaluru. 0400-0530 in Farsi to Iran, new service at this time, strong signal but over modulated, 1/7. (Wagner-

Australia/Australian DX News) 15030, All India Radio Ext. Sce Bengaluru Doddaballapur, at 1305. News in Swahili/Kiswahili and music, good signal. (Maurits Van Driessche-Belgium, ON3MK, hcdx July 9/TopNews)

15050, AIR, Bengaluru. 2345-0115 Mandarin to China, NF (ex 13795), strong on 1/7. (Wagner-Australia/Australian DX News)

INDONESIA Reception of Voice of Indonesia in English via Palangkaraya on July 22:

1300-1400 on 3325 English (DX Mix-Bulgaria)

3325, VOI, broadcasting from Palangkaraya, on July 11; at 1112, start of the usual patriotic song "Bagimu Negeri," following the news in Chinese; 1212, start of the usual patriotic song "Bagimu Negeri," following the news in Japanese; 1306, start of the usual patriotic song "Bagimu Negeri," following the news in English (not readable). (Ron Howard-CA/Mount Evelyn DX Report)

JAPAN 5006, HFD Radio Station JG2XA. July 11, from 1217+. Have not checked on this frequency or // 8006 recently, but today both clearly off the air. These low powered stations are carrying out a HF-Doppler project. "Hi Ron, Thanks for your message. As you wrote, we have been silent since 17:24 JST [0824 - Ron] on July 11. This is because we need to replace the air-conditioning system in the operation room. Hopefully the system will be back in a few days. Keisuke HOSOKAWA, Ph.D., Department of Communication Engineering and Informatics, University of Electro-Communications, 1-5-1, Chofugaoka, Chofu, Tokyo 182-8585, E-mail: keisuke.hosokawa@uec.ac.jp and WWW:<http://gwave.cei.uec.ac.jp/~hosokawa/index.html>." (Ron Howard-CA/Mount Evelyn DX Report)

KOREA (North) 9435, Voice of Korea (Kujang) at 1302 signing on with national anthem, English, woman with ID, 1303 choir. Excellent, July 23. (Harold Sellers-BC/DXplorer)

15245, 2338, Voice of Korea (KCBS) via Kujang good spoken programme in Korean to Europe, 12/06. (Ken Baird-New Zealand/New Zealand DX Times)

KOREA (South) I have reached the point where I now send out very few reception reports to short wave broadcasters, since I feel that all the trouble I go to in explaining deficiencies in transmitters, programme mix-ups, propagation issues etc. never appear to be acted upon. It seems that many stations no longer care about providing an effective and reliable service on short wave - streaming via the Internet is all that matters these days. Regarding KBS Korea, it's about time they deleted all those out of date "notices on their Web site and just kept the most recent one. This applies to all their language services. Also, I have been a technical monitor for KBS since 1998. They were always very good in their relations with the listeners. I have kept several of the personal messages I used to get from a few of the presenters, not to mention lots of "goodies".they sent out over the years. All that changed from 2017 on the English service, which went through a major re-shuffle. They got rid of their weekly show "Listeners' Lounge" and the personal contact with the audience was lost. Mail replies have become extremely erratic. My monthly reports are now acknowledged by mail about once every six months with a batch of QSLs - all the same design. I am still waiting to hear if they have selected me as a monitor for 2022, and here we are nearly at the end of June. E-mail messages are not replied to. Maybe the pandemic is causing staffing issues at KBS. Regarding 15575 for North America - they will never change it. I was in contact with a technician back in 2001.

According to him, the North American antenna they have (40 degrees azimuth *) is only able to operate on "15-16 MHz band". The only other antenna they could use for 9 or 11 MHz would be the one for South America 81 degrees - it can be slewed to 96 degr - maybe 66 degrees also? It might provide a service in some parts of North/Central America in winter off the side of the main beam. They could be try some test transmissions - but can they be persuaded to do this by us listeners - of course not! (Alan Holder, G4ZBH, Isle of Wight, UK/TopNews)

KUWAIT Reception of MOI Radio Kuwait in English via Kabd Sulaibiyah, July 23: from 0500 on 15530 English (DX Mix-Bulgaria)

MADAGASCAR Updated schedule of Madagascar World Voice, Mahajanga:
1800-1900 9885-mwv Russian KNLS New Life Station
1800-1900 13670-mwv English African Pathways Radio
1900-2000 9845-mwv Russian KNLS New Life Station
1900-2000 13670-mwv Arabic Radio Feda
2000-2100 13710-mwv Arabic Radio Feda
2000-2100 11965-mwv English African Pathways Radio
2100-2200 11610-mwv Chinese The Light of Life
2100-2200 9765-mwv Portug. Palavra Alegre
2200-2300 9765-mwv Portug. Palavra Alegre
2200-2300 11610-mwv Arabic Radio Feda
0200-0300 6180-mwv Spanish La Voz Alegre
0200-0300 11880-mwv English KNLS New Life Station
0300-0400 6180-mwv Spanish La Voz Alegre
0300-0400 13760-mwv English KNLS New Life Station
0400-0500 11825-mwv English African Pathways Radio
0400-0500 17530-mwv Chinese The Light of Life (Bulgarian Blog/British DX Club)

MALAYSIA Malaysia - Sarawak FM 9835, reactivated with good signal. A quick reply from khair@rtm.gov.my to my email congratulating RTM on the reactivation of Sarawak FM on SW and asking if their good reception now was due to a new xmtr or just a repair of their old one? Asked the same question regarding the good reception on 11665 (Wai FM) that I have had since about April. "Thank you for your signal report. We manage to repair and up our transmitter on the air now since March 2022 due to a transmitter problem." Ts. KHAIRUDDIN HJ OSMAN

Head of Assistant Director (Operation), Seksyen Teknikal Rangkaian, Bahagian Perkhidmatan Teknikal, Jabatan Penyiaran Malaysia. So seems both frequencies are actually from their repaired transmitters. (Ron Howard-CA via wb wwdxc BC-DX TopNews June 28)

9835, 'Sarawak FM' reactivated with good signal. Very good news! Amazed to find Sarawak FM, via Kajang, on the air again after a considerable absence; good signal; at 1352, long musical montage featuring their many types of "lagu" (music); 1359, "R-T-M" IDs and mentioning some of their various stations; into the news in vernacular, but cut off at 1401*, with the first item about the University of Malaysia. 27/6. (Howard-CA/Australian DX News) 9835, Sarawak FM, from Kajang (on the west coast of the Malaysia peninsula), 1053-1056 on July 11. Usual three-minute Islamic call-to-prayer for the sunset prayer (Maghrib) Call-to-prayer times for Kuching (July 11): Fajr 05:26 AM (2126) - the dawn prayer; Dhuhur 12:48 PM (0448) - early afternoon prayer; Asr 16:13 PM (0813) - late afternoon prayer; Maghrib 18:53 PM (1053) - the sunset prayer; Isha'a 20:08 PM (1208) - the night prayer. Later at 1320, the station's slogan in English: "This station is now the ultimate power in the universe." (Ron Howard-CA/Mount Evelyn DX Report) 9835, Sarawak FM (Kajang) at 1341 in Bahasa Malay, female announcer and

short pieces of pop music, 1346 ID, pop music, 1359 "RTM" mentions, possibly news from 1400, off suddenly at 1403. Poor, better than 11665, July 23. (Harold Sellers-BC/DXplorer)

11665, 'Wai FM'. Doing my usual monitoring here at 1341, to hear the often heard indigenous praying / chanting; for a while now this has been routinely heard with good reception. Checking 9835, amazed to find 'Sarawak FM', via Kajang (on the west coast of the Malaysia peninsular), on the air again after a considerable absence; good signal; at 1352, long musical montage featuring their many types of "lagu" (music); 1359, "R-T-M" IDs and mentioning some of their various stations; into the news in vernacular, but cut off at 1401*, with the first item about the University of Malaysia. (Ron Howard-CA via wb wwdxc BC-DX TopNews June 27) 11665, Wai FM (Kajang) at 1338, Islamic singing then male announcer in Bahasa Malay, 1345 website announcement, into pop music, 1400 announcements, left the air sometime around 1402. Poor, July 23. (Harold Sellers-BC/DXplorer) 11665, Wai FM via RTM Kajang, f/d eQSL showing beautiful lake garden in Taiping Perak V/s Mr. Ab Aziz Bin Mohamed, Chief Asstt. Director 10 days. Email: pnk_rtmkajang@rtm.gov.my. (Pradip Chandra Kundu-India/Asian DX Review)

MEXICO Radio Educacion: Broadcasts over shortwave began in 1982, and we have listeners throughout the world. The 10,000-watt signal is broadcast internationally at 6185 on the 49 meter band. Over our shortwave frequency, Radio Education has transmitted to the world the variety, diversity, contrast and above all the richness of Mexico's musical creations. With our shortwave signal, not only do we share the sounds of Mexico; we also receive and imagine the lives of radio listeners throughout the world. This relationship with shortwave listeners enriches the medium. Radio Education constantly receives letters

from almost every part of the world. Their correspondence lets us get to know our audience and is one of the most exciting aspects of shortwave radio. Now we'll hear a fragment of "Free Signal," a program that goes to great lengths to promote constant exchange with its listeners. Radio Education is currently renewing its shortwave programming, at the very time that tests are being carried out in the area of Digital Radio broadcasts. Undoubtedly, in Radio Education this will be an historic event that will stimulate us to continue imagining the radio of the future. This does not mean we must renounce old media, but rather research how to renew our use of and potentiate these technologies. We must do so, above all, because for many years shortwave has had a multicultural listenership; today, with the appearance of new media that also have a multicultural audience, shortwave can share its broad and rich experience, and can improve itself using that experience as a point of departure. Through shortwave radio and sound itself, many cultures of the world have met and will continue to reach out to each other. (TopNews)

6185, Radio Educacion, Ciudad de Mexico, 0440-0458, 14-07, Spanish, comments, "una produccion de Radio Educacion". 25432. Also heard 0439-0458, 16-07, Spanish, comments, ID "Muchas gracias por compartir...", Radio Educacion, 6185 kHz, en la banda internacional de 49 metros", songs. 24422. (Manuel Méndez-Spain/Hard Core DX)

MONGOLIA Voice of Mongolia QSL Policy. V of Mongolia posted the following message on F_B on 26 May which may be of interest: "Dear, VOM listeners, Greeting from the English section of VOM Radio. We are ready to send the verification letters to our listeners who sent us reports in May, 2022. In this regard, a statement needs to be made. We will send the verification letter to our listeners who have submitted reports at least "three" times in one month. The reason why

is the items such as postcards, stamps, etc. are limited. So please note that it is difficult for us to respond to anyone who sent a report once every few months. Therefore, we want you to be more active. Then we will write back to our active listeners. We would also be happy if you could write a more detailed reports. Also, if you write down the question you want to ask, we will always be ready to answer it on the mailbox program which airs on every Monday. Please keep listening to us and be an active listener. Sincerely, - Mailbox editor" (Via WWDXC & Alan Roe, Teddington-UK, BrDXC-UK iogroups May 29/New Zealand DX Times)

MYANMAR 5915, Jul 24, 1155, Myanmar Radio, random monitoring from 1155 till 1400*. Seemed to be a portion from 1200+ that perhaps was religious (Christian); sounded like possible preaching in vernacular and some songs that sounded like hymns. Reception above the norm; closing down with the usual brief selection of indigenous instrumental music. An excellent day for Myanmar reception! (Ron Howard-CA/Shortwave Bulletin)

NETHERLANDS Additional registered frequency for Mike Radio via Heerde, July 29: 0600-1500 on 6195 HEE 001 kW / non-dir to WeEu Dutch Fri/Sat effective August 1 0000-2400 on 3940*HEE 001 kW / non-dir to WeEu Dutch Dly also eff.from August 1 * alternative 3920 HEE 001 kW / non-dir to WeEu Dutch Dly also eff.from August 1 * alternative 7495 HEE 001 kW / non-dir to WeEu Dutch Dly also eff.from August 1 (DX MIx-Bulgaria)

Frequency change of Radio Jong Europe Netherlands via Alphen aan den Rijn: 0700-2000 NF 6130 AAR 001 kW Dutch, ex 6175 Pirate Radio Casa Nova 0800-1000 NF 6120 unknown kW Dutch Sun, ex 6130 via tx in Netherlands (DX Mix-Bulgaria)

5955, Sunlite Radio, Westdorpe, 0450-0520, 16-07, songs in English, oldies, song "Hang on to your love" by Sade, ID "Sunlite", Dutch comments. 35433. (Manuel Méndez-Spain/Hard Core DX)

6130, Radio Jong Europa, 0604-0623, 06-07, pop songs in English, ID "Radio Jong Europa, our email address is radioeuropa@hotmail.com". 35433. ([Manuel Méndez](#)-Spain/DX Dialog)

6140, Radio Onda, Borculo (presumed), 2002-2007*, 15-07, pop songs in English, oldies, 35433. (Manuel Méndez-Spain/Hard Core DX)

6185, Radio Piepzender, Zwolle, 1946-2004, 16-07, pop songs in Dutch & English, oldies, Dutch, comments, ID in English, "Radio Piepzender, our email address radioqsl@hotmail.com." (Manuel Méndez-Spain/Hard Core DX)

NEW ZEALAND RNZ Pacific has made two frequency changes recently: 0600-0800 on 9700 (ex 11725)- from 13 June 0800-1300 (Mo-Fr) & 0800-1400 (SaSu) on 7245 (ex 9700) from 31 May (British DX Club)

PERU 4752, R. Huanta 2000, Huanta; 14/07, 2329 ? 2339 local folk music, male in Spanish "sez de la tarde e trinta e trez minutos", male and female ads unreadable, folk music. Poor. (Lucio Bobrowiec -Brazil/Hard Core DX)

4775, Radio Tarma, Tarma, 0003-0014, 01-07, Spanish, comments, advertisements. 15321. Also heard 0026-0034, 05-07, Peruvian sons. 25322. ([Manuel Méndez](#)-Spain/DX Dialog) 4775, Radio Tarma, Tarma, 0020-0035, 15-07, Spanish, comments. 15321. (Manuel Méndez-Spain/Hard Core DX)

4810, Jul 18, 0954, R. Logos, Peru, San Martin; pop religious music selections. Fair, good signal strength enough to block STANAG on 4810, fady, deteriorating over

the listening. (Lúcio Bobrowiec-Brazil/Shortwave Bulletin)

4952.4, Jul 22, 0007, Radio Cultural Amauta, Huanta, comments. (Méndez-Spain/Shortwave Bulletin)

PHILIPPINES 9735, Jul 11, 2022. 2206-2214, Radio Vaticana, Tinang, in Chinese. Man talks during this log. Poor reception: 35422. (Jota Xavier/Hard Core DX)

15190, DZRP Radyo Pilipinas, E-QSL in 2 days. Report in English sent to: dzrp.radyopilipinas@gmail.com. (Christian Ghibaudo-France/DX Fanzine) 15190, R. Pilipinas. 26/6, test tone at 1727, s/on at 1730 w/National Anthem, ID & talks in EE & vernaculars. (Pankov-Bulgaria/Australian DX News)

RUSSIA Editor's News: The world is rapidly changing. So many DX Bulletins and DX Clubs have ceased to exist for various reasons. Something needs to be changed here as well, in the RUS-DX bulletin. One editor in the information field is no longer a warrior. I decided to leave the field. Age affects when working on a computer - doctors forbid to sit at the monitor for a long time. There will be a closing of the bulletin or changes in the structure I will decide in the coming week. The RUS-DX Plus e-bulletin, which has been published in print and electronic form in Russian since 1994 (28 years) and the e-bulletin "RUS-DX", which has been published in print and electronic form in English since 1991 (31 year) - what will be their fate? Decision next week. Good luck to all readers! Health! (Anatoly Klepov-Russia, RUSdx #1192 via wwdxc BC-DX TopNews July 3)

RWM broadcasting frequencies 4996, 9996, 14996, Moscow region, Taldom. Doppler ionospheric observations of the exact time station RWM. The station's program guide is a repeating half-hour interval where the carrier is transmitted for the first 8 minutes,

then pause - 1 minute, RWM call sign transmission - 1 minute, transmission second pulses - 10 minutes, transmission of 0.1 second pulses - 10 minutes. The most informative for us is the transmission interval, the carrier. (Anatoly Klepov-Russia, RUSdx #1193 via wwdxc BC-DX TopNews July 10)

SINGAPORE Frequency changes of BBC World Service via ENC-DMS Kranji:
0100-0200 NF 17790 English, ex 15620
1200-1300 NF 11695 English, ex 15640 (DX Mix-Bulgaria)

11685, BBC World Service (Kanji) at 1335 in English, sports news and interviews. Excellent, July 23. (Harold Sellers-BC/DXplorer)

12025, BBC World Service (Kanji) at 1502, English, with World News. Very good, July 23. (Harold Sellers-BC/DXplorer)

SOLOMON ISLANDS 5020, Jun 28, 1157, SIBC. "Devotional" and prayer in English; ID in English and cut off a few seconds into the National Anthem (1201*). So it seems they are closing down with the use of a timer! (Ron Howard-CA/Shortwave Bulletin)

TAIWAN Additional frequency of Radio Free Asia in Khmer via Paochung:
1230-1330 on 11885 Khmer // 9960 PHT, 12140 TIN (DX Mix-Bulgaria)

THAILAND HSK9 Radio Thailand World Service in English via Udorn Thani, July 23:
1200-1230 on 9390 English (DX Mix-Bulgaria)

HSK9 Radio Thailand World Service in Thai via Udorn Thani, July 24:
1000-1030 on 17850 Thai (DX Mix-Bulgaria)

TURKEY David Crystal in Israel has been enjoying listening to the music on TRT's home service in Turkish which he hears

between 0500 and 0800 on 11675. TRT has quite an extensive Turkish service on SW which is aimed at Turkish expatriates and consists of relays of TRT domestic programming - including a lot of Turkish music.

The HFCC lists this current schedule for TRT in Turkish:

0000-0200 on 7360
0400-0600 on 6040 9770
0600-0900 on 11750
0600-1200 on 11675
0600-1300 on 13635
1300-1600 on 15375
1600-2100 on 5960 9460 (HFCC A22 schedule valid until 30 Oct) Note: TRT's external services in other languages including English identify as Voice of Turkey whereas programming in Turkish is mostly if not entirely relays of TRT. (British DX Club)

Turkey cuts access to US, German public broadcasters. An Ankara court banned access to Deutsche Welle and Voice of America on Thursday night, after both failed to apply for local broadcasting licences required by regulations introduced this year. The two argued that a local licence issued by Turkey's RTUK media regulator would infringe on their independence and allow Ankara to censor their content. Rights advocates said Turkey's decision underscores erosion to freedom of expression in the run up to next year's general election, the toughest of President Recep Tayyip Erdogan's two-decade rule. It also threatens to spark new tensions in Turkey's relations with two of its most important Western allies and trading partners. Turkey, where scores of journalists have been jailed since a failed 2016 coup, is ranked 149th among 180 countries in the Reporters Without Borders press freedom index. At a press conference Thursday after the NATO summit, Erdogan grew visibly upset at suggestions that he was muzzling the press. "In my country at the moment, there are no journalists in prison because of their opinions. There are only criminal

cases," Erdogan said. Erdogan's ruling AKP party also wants to pass another law that could see people locked up for three years for spreading "disinformation" a bill protested by journalists' organisations. The government said it will debate the bill in October, giving up a previous attempt to rush it through the parliament. (AFP) (via Anatoly Klepov-Russia, RUSdx #1192 via wwdxc BC-DX TopNews July 3)

UNITED ARAB EMIRATES Registered frequency in A-22 HFCC for new unknown broadcast:

1100-1200 on 21500 DHA Chinese - from August 1 (DX Mix-Bulgaria)

Reception of Trans World India via KTWR Asia via ENC-DMS Al-Dhabbayya, July 25: 1300-1306 on 13740 DHA Hindi/English Mon-Fri (DX Mix-Bulgaria)

UNITED KINGDOM BBC World Service offers new eQSL service. It's here: <https://eqsl.tools.bbc.co.uk/>. (Chris Greenway-UK/British DX Club) Thanks, just uploaded a report for the BBC Midwinter Broadcast 7305 and downloaded the (no details) eQSL. (Harald Kuhl-Germany DL1AX) I have noted that different images are used on the eQSLs. Can anyone confirm this? (Harald Kuhl-Germany DL1AX) I also filled in two reception reports for the June 21st Midwinter Antarctic broadcast on the BBC online form (but none since). Personally, I think the "eQSLs" are not true verifications as they contain no details and are not checked in any way apart from you have to select a specific BBC frequency, as the "e-QSL" is generated immediately. It's good that the BBC acknowledge reception, but it seems it is just a computer generated response. Are any of the reports actually used by anyone at the BBC?? (Alan Pennington-UK) The BBC EQSLs are sent out randomly and not tied to a particular input submitted. There is a large number of different EQSLs being sent. I suspect they have a library of images

gathered through the years available which can be used for this purpose. A collection of BBC World Service EQSLs can be viewed at: <http://www.dallasadmall.com/swlqsl/bbceqsl.html>. (Bill McDavitt-FL/British DX Club/All via Jerry Berg-MA))

USA WMLK Radio Assemblies of Yahweh on 9275 via Bethel is on air again:

1700-2200 on 9275 English Mon-Fri from June 20

0400-0900 on 15150 English Mon-Fri BUT INACTIVE (DX Mix-Bulgaria)

WMLK Bethel PA back on air. WMLK of the Assemblies of Yahweh at Bethel, Pennsylvania, has resumed SW broadcasts from 20 June, some five years after they were put off the air by a fire at their transmitter site. A new Ampegon 300 kW transmitter has been installed which commenced on-air testing from 10 June on their former 9275 channel. The registered schedule for WMLK is 1700-2200 on 9275; 0400-0900 on 15150. Broadcasts are daily except Saturdays, when they remain silent for the Sabbath. Reports can be sent to wmlkradio7@gmail.com or by post to: WMLK Radio, Box C, Bethel PA 19507, USA. WMLK confirmed here on 20 June at 2150 on 9275 with a weak signal prior to sign-off at 2200. Programming was a sermon by Elder Jacob O. Meyer, founder and former president of Assemblies of Yahweh, who passed away in 2010. The closing announcement, also a recording of Jacob O. Meyer, still gives the frequency as "9475 kHz", last used many years ago. (Dave Kenny-UK/British DX Club) WMLK (the international shortwave radio voice of The Assemblies of Yahweh) is now broadcasting six days a week at 1700-2200 on 9275. For more information on this historic undertaking write to Assemblies of Yahweh, P. O. Box C, Bethel, PA 19507 or log in to AssembliesofYahweh.com or WMLKradio.com. (Sacred Name Broadcaster)

Confirming report last month, WBCQ's Radio Angela shows now on 5130, ex 4790. (British DX Club)

5800, WRMI Okeechobee Florida, QSL card received in post in 74 days for email report sent to radiomiami9@gmail.com. Report was for reception of Freedom Synergy Radio (in English) but card does not mention this and is a "Shortwaves for Freedom" design. Verifier signer is Jane Frish, wife of Senior Transmitter engineer Don Frish. (Alan Pennington-UK/British DX Club)

VANUATU Vanuatu out of air today (July 16), due to COVID-19? Erratic Radio Vanuatu, out of the air today July 16, checked from 0520, no signal, no carrier directly here in Reinante and no signal via SDR Kiwi remote receivers in New Zealand on 7260 and on its other usual frequencies. Perhaps the absence is due to the announcers being infected with COVID-19, because yesterday and in the past days I have heard them coughing insistently while speaking, both the female and the male announcers. ([Manuel Méndez-Spain](#)/Hard Core DX)

7260, Radio Vanuatu, Port Vila, 0520-0615, 15-07, clearly heard after Vatican Radio closed on the same frequency at 0520, Island songs, id. by male "Radio Vanuatu", female, Bislama, English, comments, at 0601 hour interval signal and news, songs. 15421 and at times 25422. (Manuel Méndez-Spain/Hard Core DX)

VIETNAM 9840, Voice of Vietnam (Hanoi-Sontay) at 1330 signing-on with national anthem, English, woman with welcome, ID, 1331 news. Poor, July 23. (Harold Sellers-BC/DXplorer)

11885, Sat, Jul 2, 2022. 1911-1921, Voice of Vietnam, Son Tay-VTN, in English. Woman and man announcers talk news about Vietnam, country and people; Music. Good reception: 45544. Note: No VOV in English this time, but CRI musical program, only, relay Kashgar, Portuguese edition! (Jota Xavier /Hard Core DX)

ZAMBIA Voice of Hope Africa Program Sschedule - Updated 8th July 2022:
0400-0800 on 9680 and 11680
1200-1400 on 9680 and 11680
1400-1600 on 6065 and 9680
1600-2100 on 4965 and 6065 (Website)

5915, Zambia NBC, Radio 1, Lusaka, 2008-2022, 15-07, Vernacular, comments. 15321. (Manuel Méndez-Spain/Hard Core DX)

Schedules, news and other information about shortwave broadcasting activity can be send to Richard A D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 or via e-mail to rdangelo3@aol.com (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. Missing issue emails should CC rm271828@gmail.com. Thanks!



Pirate Radio Report

Brian Penney • 30 Acorn Way • Brewster, MA 02631 • swradio@comcast.net

Welcome everyone to another edition of the Pirate Radio Report. I hope everyone was able to find some time to sneak away from July 4th barbecues and parties and spend time listening to pirate radio!

The Independence Day holiday weekend was busy indeed. *Mix Radio International* relayed a show from *Radio 48*, featuring mash-ups & mixes of popular songs. *Cold Country Canada*, *Clever Name Radio*, *Good Times Radio*, *Corn Desert Outpost/CDO*, *WTF Radio Worldwide*, *The Crooked Man*, *Damn Skippy*, *Sycko Radio*, and on Friday evening, *Ballsmacker Radio* all took to the airwaves. As if that wasn't enough, *Truth Radio International* rebroadcast a classic pirate, *Quantum States Laboratory* which brought back many memories for most of us. Not to be left out of the fun, Zeekey added to his stable of named stations by broadcasting as *Earwax Radio & Stoner Radio*. Throughout July, pirate activity on the HF bands have been the busiest on weekends, beginning with Friday nights. *Wolverine Radio* and *Radio Free whatever* have made appearances and there was a broadcast from an old favorite *Brownie Radio* as well.

In other pirate-related news, the FCC has continued their enforcement of the Preventing Illegal Radio Abuse Through Enforcement Act (PIRATE Act) by serving notices to FM pirate operators in New York City after receiving complaints of unlicensed activity. The following news item appeared recently in Radio World.

BY PAUL MCLANE

PUBLISHED: JULY 18, 2022

NYC-Area Landlords Get Pirate Letters FCC Enforcement Bureau traced FM signals after receiving complaints

Continuing its efforts to fight illegal broadcasts, the Federal Communications Commission has sent notices to five property owners and managers in and around New York City.

The letters from the Enforcement Bureau inform the owners that the FCC, after receiving complaints, traced unlicensed signals to each property in April, May or June. These letters inform the owners that under federal law, anyone who allows pirate radio broadcasting on a property can face significant financial penalties — up to \$2.1 million. The recipients are given 10 business days to show that they are no longer permitting pirate radio on their properties and to identify individuals engaged in pirate radio on the property that they own or manage.



- Paul Wilfred got a notice about broadcasts on 90.9 MHz in Cambria Heights.
- Jean Yvon Francois and Elcie Francois-Lapomarede got a letter about signals on 87.9 in Brooklyn.
- 2062 Holding Corp. and its CEO Abe Soloff received a notice for a complaint of unlicensed broadcasts on 105.7 in the Bronx.
- Rachel Bridge Corp. and its Managing Agent Solomon Schwimmer were sent a notice about transmissions on 93.3 near Washington Heights.
- And Michelle Hepburn got a notice regarding 104.5 in Mount Vernon, N.Y.

Many thanks to this month's contributors: Glenn Hauser, Greg Majewski, Bill Montney, Gianni Serra and Mark Taylor for their continued support.

Any free-radio related logs, QSLs or stories you'd like to share with others are always welcome!

6129.98-AM, PIRATE-EUROPE. **RADIO YOUNG EUROPA** (tent).1843-1859, 07-12-22, playing rock, electro pop songs, man DJ unclear talk over first track outro, woman DJ brief unclear talk at 1833, continuing w/ electro pop music. Very poor/poor (Serra-Italy)

6277-USB, PIRATE-NA. **RADIO 48 via MRI**. 2357, 07-04-22, Interesting show of remix classic Rock songs like Guess Who American Women and Guns Roses tune. Female ID Good/Excellent Signal (Majewski-CT)

6860-USB, PIRATE-NA. **MIX RADIO INTERNATIONAL**. 0050, 07-11-22. Another new music show. The signal was very strong with excellent modulation. (Majewski-CT), 0238, 07-11-22, Program of lite jazz. Fair. (Taylor-WI)

6920-AM, PIRATE-NA. **GOOD TIMES RADIO**. 0150 - 0220, 07-05-22, Music selections from Chicago, Blue Swede, Survivor and others. Good reception. S7. (Penney-MA)

6920-USB, PIRATE-NA. **STONED GNOME RADIO**. 2358, 07-20-22, OM "you are listening", SSTV (garden gnome), SSTV (camel with "Happy hump day"), siren, "This is Stoned Gnome Radio", SSTV (monkey like face with some writing), W ID, Fair. (Taylor-W I), 2330 07-20-22, A show of Def Leopard tunes with SSTV images. Nice listening. Fair signal (Majewski-CT)

6924.1-AM. PIRATE-NA. **CAPTAIN MORGAN SHORTWAVE**. 0154, 07-23-22, "Tanqueray" - Johnnie Johnson, ID & email address over song, "Leaving Trunk" - Taj Mahal, Poor - fair with considerable lightning QRN.(Taylor-WI)

6925-AM, PIRATE-NA. **BOB DYLAN RADIO**. 2257, 07-08-22, A show of Bob Dylan songs and parodies. The signal was good, but, the audio was low. (Majewski-CT)

6925- USB, PIRATE-NA. **WTF RADIO WORLD WIDE**. 2317, 07-09-22, A show of new music. One song was "Ava" by the Hanging Stars. Fair/Good. (Majewski-CT)

6925-AM, PIRATE-NA. **CAPTAIN MORGAN SHORTWAVE**. 0110 - 0215, 07-11-22, Blues selections from Floyd Dixon, B.B. King, The Fabulous Thunderbirds & others. Nice reception this evening. S7. (Penney-MA)

6925-USB, PIRATE-NA. **X-FM**. 0246, 07-10-22, Redhat talking about a variety of things music, what he has been doing recently, etc. Usual excellent signal only fair with lightning QRN. (Taylor-WI)

6925-USB, PIRATE-NA. **NUTTIN' ON SHORTWAVE**.2300 - 0004, 07-18-22, Da Crusha behind the mic spinning the best in 60's rock hits from Sugarloaf, Steppenwolf,

Jimi Hendrix & others. Good reception. S8. (Penney-MA)

6925-AM, PIRATE-NA. **VOICE OF THE DALEKS** via **TRI**. 2252-2330, 07-19-22, A nice Dr. Who themed show with the supreme Dalek giving his plan to destroy all biological life on earth. Good signal (Majewski-CT)

6925-USB, PIRATE-NA, **WANK**. 0136, 07-21-22, DJ chat, "Ball of confusion (That's what he world is today)" - The Temptations. Into a program of Casey Kasem DJ talk of the top 40 for the week (not specified), playing the hits of the day, ads (including a Winston cigarette commercial just before end of program). Some confusing music then OM with "W A N K. The wanker." Off. Poor to fair. (Taylor-WI)

6925-USB, PIRATE-NA. **QRM**. 0000 - 0017, 07-24-22, Man talking but conditions were very poor. Multiple SSTV images. One image decoded contained the 'Q-cod' QRM along with poster on HFU. S4. (Penney-MA)

6930-USB, PIRATE-NA. **CLEVER NAME RADIO**. 2339, 07-15-22, good. The Doors, "Riders on the Storm", Skrillex w/Supersonic, Dido w/Take my Hand.(Montney-MI), 2345, 07-15-22, Fair. (Taylor-WI), 2330, 07-15-22, Music by Cream, Doors, and others. Good Signal. (Majewski-CT)

6931-USB, PIRATE-NA. **STONER RADIO**. 2245, 07-09-22, Interesting show of a wide variety of music. Zeke talking about QRM on the frequency. Fair/Static. (Majewski-CT)

6950-USB, PIRATE-NA, **RADIO 48** via **MRI**. 0006, 07-16-22, "Eazy-Er Said Than Dunn" - Eazy-E, Radio 48 ID, MRI. Fair. (Taylor-WI)

6950-USB, PIRATE-NA. **WOLVERINE RADIO**. 0019, 07-03-22, "I'm walking" - Fats Domino, "Walk on by" - Dionne Warwick, into program

of "walk" themed songs. Poor - fair. (Taylor-WI), 0023, 07-03-22, Played Left Bank Walk away Rene and Diane Warwick "Walk on By". Poor signal (Majewski-CT)

6950-USB, PIRATE-NA. **RADIO FREE WHATEVER**. 0001, 07-18-22, DJ Dickweed with banter and a couple of ID's when first tuned in. lots of good music and talk. "Soft trash" - Elf Power was last song, DJDW gave ID, announced the song and went into ending comments, shouted out to the last folks who posted in HF Underground, thanked listeners and off. (Taylor-WI)

6955-USB, PIRATE-NA. **DAMN SKIPPY**. 0056, 07-03-22, romantic/love song segues, much weaker S7 than 6950 Wolverine, past 0113, JBA by 0120. These say it's Damn Skippy, with several copies of four different SSTV images: <https://www.hfunderground.com/board/index.php/topic,99152.0.html> (Hauser-OK), 0110, 07-03-22, Fair with frequent fades to poor. (Taylor-WI)

6955-USB, PIRATE-NA. **BROWNIE RADIO**. 0155-0225, 07-19-22, Rock, "Brownie radio playing tonight" ... DJ chatter, music, {Brownie Radio ... that was not a good start to the program tonight. I have some more selections. DJ - asking for requests "or you can just have me rambling", Poor-fair. (Taylor-WI)

6960-AM, PIRATE-NA. **BALLSMACKER RADIO**. 0110, 07-09-22, Good. "Life" seems to be the theme of this show. Mx on-going w/The Eagles and "Life in the Fast Lane", Alicia Bridges w/"I Live the Night Life", (Montney-MI), 0100, 07-07-22, One ID was: "Ball Smacker Radio, We don't have a real life, but, a radio life". Signal was Good/Fair. (Majewski-CT)

6960-USB, PIRATE-NA. **CORN DESERT OUTPOST/CDO**. 0025, 07-16-22, "Rise Biscuits Power Hour" album, one of the first

albums CDO ever heard, "Bridge of sighs", "Day of the Eagle", all Robin Trower. (Taylor-WI)

6960-AM, PIRATE-NA. **WDOG**. 2354, 07-16-22, "Magic bus", dog barks, "Dogs" - The Who, into program of Who music w/ periodic ID's, dog howls, etc. Fair to good. (Taylor-WI)

6960-AM, PIRATE-NA. **BALLSMACKER RADIO**. 0058, 07-22-22, "Little white church" - Little Big Town, ID, "Marry your daughter" into a program of marriage/wedding, Good. (Taylor-WI)

6985-USB, PIRATE-NA. **WOLVERINE RADIO**. 0000, 07-17-22, "I lost my sugar in Salt Lake City" - Johnny Mercer, "Baby get lost" - Billie Holiday, into a program of "Lost" titled songs, SSTV (group of people outdoors consulting a map looking lost). (Taylor-WI), 0034, 07-17-22, good. (Montney-MI)

6969-LSB, PIRATE-NA. **COLD COUNTRY CANADA**. 2310 - 2339, 07-03-22, Music from Rush, Faith, Thin Lizzy. YL w/ID. Good signal. S5. (Penney-MA)

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), 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.



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



Contributors' Page

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
Greg MAJEWSKI, Oakdale, CT		P,S
Mark TAYLOR, Madison, WI		P
Rich D'ANGELO, Wyomissing, PA		L
Vince HENLEY, Anacortes, WA		L
Eric BUENEMAN, Hazelwood, MO		L
Gianni SERRA, Roma, Italy		P
Glenn HAUSER, Enid OK		L, P
Richard MURPHY, San Antonio, TX	Airspy HF+ Discovery, Alpha-Delta DX-SWL antenna	S
Bill MONTNEY, Monroe, MI		P
Ed CICHOREK, Somerset, NJ		L
Jerry BERG, Lexington, MA		LN
Rick BARTON, Sun City, AZ		L
Pedro CASTRO, Lorena, Brazil		LN
Bill MCDAVITT, Englewood, FL		LN
Rob WAGNER, Mount Evelyn, Australia		LN

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

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

- 5130 UNITED STATES WBCQ**, 0156, 6-22-22. Heard initial sign on repeated with jingle. Was hoping to hear Radio Angela broadcast but conditions deteriorated to almost total static by 0200. (Cichorek-NJ)
- 6185 MEXICO XEPPM/ R Educacion** 0100. Normally heard well here; barely heard abv static at tune-in, increasing over time. 49 meters a bit sketchy here at 0100, which is 6P local. Flute music heard. After 0130, Mariachi music with violins, then Marimba music near the ToH, then more Mariachi. Man and woman presenters in Spanish -- Fair to Good 6/23 (Barton-AZ)

- 7375 ROMANIA *Radio Romania Int'l*** at 0140. M in French, trade. Romanian music, music that made me dream of a bowl of Ciorba de Burta and a side of Sarmale. W presenter at 0150 -- Fair to Good 6/8 (Barton-AZ)
- 7410 CHINA *China Radio Int'l*** in JJ to FE. June 25, 2022, 1523 – 1533. SIO 444. Good signal. YL announcer with commentary. Moderate QRN, slow, shallow QSB. YL with very long monologue. CC MX clips, then second YL joins talk. CC instrumental MX follows. (Henley, WA)
- 9265 UNITED STATES *WMLK*** - Bethal, 2252-2307 Jun 22, finally returned to shortwave but the signal was pretty crappy considering a brand new transmitter with much higher power. Of course, I'm ground wave to maybe just skipping over me. Edler Meyer noted with religious talks as early as 1930 but I caught the end of a religious program followed by a station ID by a man announcer at 2300. (D'Angelo-PA)
- 9275 PHILIPPINES *FEBC Radio*** Liangyou in CC to FE religious broadcast. June 22, 2022, 1426 – 1432. SIO 343. Via Bocaue. Religious MX, YL announcer. (Henley, WA)
- 9350 PHILIPPINES *VOICE OF AMERICA*** (Tinang) 1320, M, W, in dialogue, Korean lang. // on 12045 (via Udon Thani, Thailand), but not synced. Female vocal music -- Good 6/15 Barton-AZ
- 9410 PHILIPPINES. *Voice of America*** in KK to FE via Tinang. July 2, 2022, 1453 – 1500. SIO 434. YL announcer, MX. VOA ID. Moderately noisy signal, but listenable. OM announcer joins at 1456. VOA sign-off in EE with "Yankee Doodle" theme at 1500. (Henley, WA)
- 9410 PHILIPPINES *Voice of America*** in KK to FE via Tinang. June 24, 2022, 1442 – 1449. SIO 444. OMs in talk / news. Moderate QRN / QSB, a noisy signal, but listenable. Multiple OMs, news clips in EE. MX with station ID. (Henley, WA)
- 9410 PHILIPPINES *Voice of America*** in KK to FE via Tinang. June 15, 2022, 1444 – 1450. SIO 333. Mixed OMs in KK with talk / commentary. Moderate QRN / QSB. Noisy signal, but listenable. (Henley, WA)
- 9435 NORTH KOREA *Voice of Korea*** in EE. June 29, 2022, 1509 – 1513. SIO 333. YL with news / propaganda in EE to NAM. Moderate QRN / QSB. Listenable. (Henley, WA)
- 9435 NORTH KOREA *Voice of Korea*** in EE to NAM. June 23, 2022, 1510 – 1517. SIO 555. Excellent signal. YL announcer with North Korean news communist style. Mostly internal party committee, and very boring, news. Slight QRN / QSB. From Kujang. (Henley, WA)
- 9439 EGYPT *Radio Cairo***. 9439.995, July 13 at 2204, R. Cairo is terribly over modulated and distorted with hum but English news? Somewhat readable if you put up with it, which I will not for more than a few seconds, S9+30/40 into UTwente. Something's always egregious in Egypt (Glenn Hauser, OK)
- 9440 EGYPT *R. Cairo***, 2223, 6-22-22. Male speaking in listed English but poor audio. Talking continues with flute music. At 2230 very poor modulation and not understandable. (Cichotrk-NJ)
- 9673 BRAZIL *RVM***. 9673.4/9673.5, jumpy transmitter, July 10 at 0635, RVM ID in Portuguese, and then in *Spanish* with Brazuguese accent, including contact address in Camboriú. They also run IDs in English but none caught lately (Glenn Hauser, OK)
- 9675 CHINA *China Radio Int'l*** in RR to FE. June 14, 2022, 1427 – 1432. SIO 444. YL announcer with long monologue in RR. Minor QRN / QSB. (Henley, WA)

- 9675 **CHINA *China Radio Int'l*** in RR to FE. June 17, 2022, 1450 – 1457. SIO 444. CC flute MX. YL announcer in RR. MX plus talk. Instrumental CC MX follows. Off the air at 1457. (Henley, WA)
- 9685 **TAIWAN (Tentative) *Clandestine Furusato no Kaze*** in JJ to North Korea. June 28, 2022, 1445 – 1453. SIO 444. Furusato no Kaze clandestine / opposition likely from Paochung, Taiwan. Good signal, minor QRN / QSB. YLs in conversation with emphatic or persuasive talk. POP MX clips and song with OM soloist at 1450. (Henley, WA)
- 9705 **TAIWAN.(tentative) *Clandestine Furusato no Kaze*** opposition in JJ. June 15, 2022, 1455 – 1458. SIO 333.. YL in JJ with contact information, likely from Paochung, Taiwan. Off the air at 1458. (Henley, WA)
- 9740 **ALASKA *KNLS*** religious broadcast in CC. June 18, 2022, 1332 – 1339. SIO 555. OM with sermon / homily in CC. Hymn MX, choral singing. Excellent signal, easy listening. YL in CC follows. Listed target is FE. (Henley, WA)
- 9800 **ALASKA *KNLS*** religious broadcaster in RR to FE. June 23, 2022, 1544 – 1550. SIO 333. OM with homily in RR. Steep QSB to JBA. POP MX with YL soloist. Moderate QRN, increasing with the sun rise here. (Henley, WA)
- 9800 **ALASKA *KNLS*** religious broadcast in RR. June 16, 2022, 1526 – 1537. SIO 555. Excellent signal. OM in RR. ID and contact information given along with a religious message. Slight QRN / QSB, otherwise excellent signal. Switch from the announcer to a preacher with a homily. Hymns and MX follow homily. (Henley, WA)
- 9830 **TURKEY *Voice of Turkey*** 9830.021, July 11 at 2216, VOT English S9+40 into UTwente, YL talking about vitamins. Must be `Feeling Supreme` (Glenn Hauser, OK)
- 9900 **TAIWAN *Radio Free Asia*** in KK to FE. June 18, 2022, 1340 – 1345. SIO 444. Mixed announcers in KK via Paochung to FE. Good signal, easy listening. Talk and commentary among YLs / OMs. MX clips. (Henley, WA)
- 9910 **GUAM *KTWR*** Merizo – 6/3 1146 noted with Christian teaching in Mandarin. SIO 333. (Bueneman-MO)
- 9980 **UNITED STATES *WWCR*** religious broadcast in EE to NAM. July 1, 2022, 1450 – 1456. SIO 333. The late Brother Stair with a sermon and fundraising appeal. Noisy signal, heavy QRN, rapid QSB. Via Nashville, TN. Listenable with difficulty. (Henley, WA)
- 9980 **UNITED STATES *WWCR*** in EE religious broadcast. June 24, 2022, 1436 – 1442. SIO 333. The late Brother Stair with sermon and religious tale. QSB to JBA. Noisy signal, but listenable. (Henley, WA)
- 11590 **GUAM *KTWR*** July 14 at 1435, S4/S5 in S Asian language? It's KTWR in Kazakh at 1430-1445 only (Glenn Hauser, OK)
- 11630 **IRAN *VOIRI***, 2321, 6-25-22. Male speaking in listed Hausa with a slow cadence delivering a probable religious message. Poor (Cichorek-NJ)
- 11635 **CUBA *Spy Numbers*** – 6/7 1856 noted with five-digit number sequences in Spanish and data streams. SIO 333. (Bueneman-MO)
- 11640 **MALI *China Radio Int'l*** – Bamako, 2103-2122 Jun 21, a man announcer with English language news followed by station ID and a man and woman with news related features. Poor to fair. (D'Angelo-PA)
- 11640 **CHINA *China Radio Int'l*** in Tagalog to Philippines. June 22, 2022, 1448 – 1457. SIO 433. Bell chime MX. Increasing QRN, moderate QSB. Orchestral MX. YL

- announcer between MX pieces. OM joins at 1455. MX continues, then off the air at 1457. (Henley, WA)
- 11650 ROMANIA *Radio Romania Int'l*** – Tiganesti,*2057-2106 Jun 21, interval signal followed by opening of the Spanish language program with a man giving station ID and opening announcements followed by a woman announcer with the news. Fair. (D'Angelo-PA)
- 11650 CHINA *China Radio Int'l*** in Esperanto to SEA. June 18, 2022, 1347 – 1355. SIO 444. POP MX, mixed chorus plus YL in solo. Heavy QRN, Slow, shallow QSB. Listenable. OM in Esperanto with station ID, contact information, and schedules. (Henley, WA)
- 11655 JAPAN *NHK Radio Japan*** in Hindi to South Asia. June 23, 2022, 1538 – 1543. SIO 333. OM announcer, MX. QSB to JBA. YL joins at 1540. QRN increasing. Listenable signal. (Henley, WA)
- 11655 JAPAN *NHK Radio Japan*** in Hindi to South Asia. June 15, 2022, 1532 – 1537. SIO 232. OM announcer / commentator. QSB to JBA. Heavy QRN, overall poor signal. (Henley, WA)
- 11685 SINGAPORE *BBC*** in EE to South Asia. June 28, 2022, 1357 – 1359. SIO 444. Broadcast via Kranji. Rapid QSB, Moderate QRN. YL with BBC WS ID. Off the air at 1359. (Henley, WA)
- 11685 SINGAPORE *BBC*** in EE to South Asia via Kranji. July 1, 2022, 1349 – 1358. SIO 444. Paul Henry with news, the economy, and employment. Chinese focus on Hong Kong. News of Namibia and its problems with the economy. Mention of the "Arab Spring." Various news items from the Ukraine war. (Henley, WA)
- 11685 SINGAPOR. *BBC*** in EE via Kranji to South Asia. June 18, 2022, 1355 – 1359. SIO 444. Soccer World Cup discussion between an YL and OM. ID as BBC World Service. (Henley, WA)
- 11735 NORTH KOREA *Voice of Korea*** in KK to SEA. June 17, 2022, 1441 – 1448. SIO 333. Orchestral MX, noisy signal. QSB to JBA. KCBS Kujang. More MX with YL choir continues. YL announcer between MX pieces. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in JJ to SEA. July 1, 2022, 1341 – 1348. SIO 444. OM announcers with news items. MX clips, multiple OM and YL commentators in conversation. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in EE to SEA. July 2, 2022, 1414 – 1421. SIO 444. MX, talk, and encouragement. Discussion of the return of Okinawa to Japan. Okinawan folk songs in Okinawan dialect. Mixed announcers. Good signal, easy listening. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in JJ to SEA. June 20, 2022, 1500 – 1506. SIO 555. Time pips at TOH then OM announcer with news items. Excellent signal with minor flutter. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in JJ to SEA. June 23, 2022, 1529 – 1537. SIO 555. Multiple YLs in animated conversation, with much laughter and humor. Children's choir MX. YLs return after MX. Excellent signal. OM joins at 1535, YLs continue. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in JJ to SEA. June 15, 2022, 1526 – 1532. SIO 444. POP MX, show tunes. OM announcer in JJ Announcements at BOH, YL joins announcers at BOH. (Henley, WA)

- 11815 JAPAN NHK Radio Japan** in Burmese to SEA. June 17, 2022, 1433 – 1440. SIO 555. Excellent signal. YL joins at 1436. Long monologues, MX clips, and OM returns at 1439. (Henley, WA)
- 11825 AUSTRALIA Reach Beyond Australia** in Burmese to Myanmar. June 15, 2022, 1514 – 1526. SIO 343. Religious program. YLs in Burmese from Kununurra, Western Australia. Minor QRN / QSB. Listenable. Religious hymn singing. (Henley, WA)
- 11835 VANUATU VBTC** in Bislama (third harmonic of 3945) June 23, 2022, 0612 – 0621. SIO 233. Pacific islands MX. OM announcer. YL announcer joins at 0618. Buzzer-type QRM at 0619. Weak but listenable signal (except for QRM.) It's been a long time since I heard Vanuatu, even with this weak and noisy harmonic signal. A weak signal is better than no signal. (Henley, WA)
- 11905 SRI LANKA Sri Lanka Broadcasting Corporation** – Trincomalee, 0028-0056 Jun 22, open carrier with instrumental music followed by group singing until a woman announcer gave opening station ID and announcements in the listed Bangla language. Program basically of nice listening music with the carrier terminated during a flue instrumental. Fair but steady. (D'Angelo-PA)
- 11915 TAIWAN Radio Taiwan Int'l** via Paochung – 6/2 1037 noted with traditional Chinese music, ID and commentary in Indonesian. SIO 333. (Bueneman-MO)
- 11930 UNITED STATES Radio Marti** in SS to Cuba. June 24, 2022, 1431 – 1435. SIO 242. OMs and YLs in SS talk. From Greenville, NC. Overall poor signal. (Henley, WA)
- 11930 UNITED STATE. Radio Marti** in SS to Cuba. June 15, 2022, 1542 – 1547. SIO 232, OM announcer with long monologue. Heavy QRN. Steep QSB to inaudible. Completely faded out by 1546. (Henley, WA)
- 12020 VIETNAM Voice of Vietnam** 1030, nice vocal music and W presenter in (listed) Indonesian -- Good 6/15 Barton-AZ
- 12020 VIETNAM Voice of Vietnam** in JJ to FE. June 14, 2022, 1419 – 1425. SIO 444. YL with commentary and MX. POP MX from Hanoi. (Henley, WA)
- 12025 SINGAPORE BBC WS** (Kranji site, obviously) 1840. Usually strong at sign-on, but way out in the weeds by this time of morning here. Today, "Very Good", maybe some good cx today, sports commentary well heard on SW-2000629 and indoor wire. -- Very Good Jun 15 Barton-AZ
- 12025 SINGAPORE BBC World Service** in EE via Kranji to ME. July 1, 2022, 1526 – 1535. SIO 444. Moderate QRN / QSB. Sports talk. Commentary and reports from the Ukraine war. Various OM and YL announcers / commentators. Listenable. (Henley, WA)
- 12025 SINGAPORE. BBC World Service** in EE to ME via Kranji. June 20, 2022, 1518 – 1530. SIO 444. OM announcer, economic news. Canada announcing a ban on single-use plastics. Other bans elsewhere on same- sex marriage. Election results from France. Question: is France ungovernable? Discussion on this last subject. (Henley, WA)
- 12025 SINGAPORE BBC WS** in EE to ME via Kranji. June 23, 2022, 1518 – 1529. SIO 444. OM announcer with news and reports from Afghanistan. United States news, especially SCOTUS ruling striking down New York's restrictive gun laws. News from the Ukraine and Russian occupation of Ukraine territory. (Henley, WA)
- 12025 SINGAPORE BBC** in EE to ME via Kranji. June 15, 2022, 1505 – 1513. SIO 433. BBC World Service with YL announcers / commentary. Interview format. (Henley, WA)

- 12035 **THAILAND Voice of America - Deewa Radio** (Udon Thani) 1630, M, W, in (listed) Pashto (Afghanistan) -- Fair to Good 6/13 Barton-AZ
- 12035 **THAILAND Voice of America Deewa** Radio in Pashto to Afghanistan. June 24, 2022, 1423 – 1430. SIO 333. OMs in talk / debate. Noisy signal, but listenable. Via Udon Thani. Emphatic talk among multiple OMs. (Henley, WA)
- 12050 **OPPOSITION Radio Ndarason Int'l** via Woofferton, UK – 6/11 0642 noted with commentary in Kanuri. SIO 323. (Bueneman-MO)
- 12065 **TAIWAN Radio Taiwan Int'l** via Paochung – 6/2 1043 noted with commentary in Hakka. SIO 323. (Bueneman-MO)
- 12065 **UNITED KINGDOM BBC World Service** via Woofferton – 6/21 2131 noted with annual Mid-Winter broadcast to Antarctica in English. SIO 323 at the beginning, fading up to 434 toward the end. (Bueneman-MO)
- 12065 **UNITED KINGDOM BBC** – Woofferton, *2129-2200* Jun 21, annual special transmission to Antarctica with nice opening station ID (“this is the BBC World Service calling Antarctica...”) with Cerys Matthews hosting the program. Mainly greetings from people, family, friends from back hoe to those wintering there. Fair to good signal. (D’Angelo-PA)
- 12080 **PHILIPPINES Voice of America** in KK to FE via Tinang. July 1, 2022, 1429 – 1434. SIO 343. OM with long monologue in KK. Minor QRN / QSB. Listenable. (Henley, WA)
- 12095 **PHILIPPINES FEBC** (Bocaue) 1200 Opening in Iu Mien language (spoken by Hmong in Vietnam, Laos, et al - SW Asia). Some very pleasant female vocal music to talk by W. -- Good 6/23 (Barton-AZ)
- 12095 **PHILIPPINES FEBC** Manila religious broadcast in Khmu. July 1, 2022, 1331 – 1335. SIO 232. MX with a religious theme. Weak, noisy signal, poor listening. (Henley, WA)
- 12160 **UNITED STATES WWCR 2** in EE. June 29, 2022, 1525 – 1531. SIO 444. CSC Talk Radio. Interviews with former soldiers from Iraq and Afghanistan discussing the failures of United States policy in those countries. Moderate QRN / QSB. (Henley, WA)
- 13590 **CHINA CGTN Radio** via Beijing – 6/2 1046 noted with commentary in English. SIO 323. (Bueneman-MO)
- 13600 **CHINA China Radio Int'l** in RR to Central Asia. July 1, 2022, 1335 – 1340. SIO 343. YL in RR talk. Radio Marti on 13605 bleeds over, but CRI listenable. (Henley, WA)
- 13605 **UNITED STATES Radio Marti** in SS to Cuba. June 29, 2022, 1531 – 1556. SIO 333. OM and YL in talk / conversation. Moderate QRN, slow QSB. Mixed multiple YL and OM speakers. From Greenville, NC. (Henley, WA)
- 13640 **TAIWAN (Tentative) Clandestine Sound of Hope** / opposition in CC. July 1, 2022, 1420 – 1428. SIO 444. “Sound of Hope” target FE. Transmitting location is unidentified. OMs in animated conversation. (Henley, WA)
- 13660 **CHINA CGTN Radio** via Xiamen – 6/15 0745 noted with commentary in English. SIO 323. (Bueneman-MO)
- 13670 **MADAGASCAR R Feda** at 1930, M in Arabic, some ME music, choppy signal, additional ID by M in Arabic at 1950. Closed, then came up on 13710 at 2000 and using a slightly different beam. The later broadcast was much weaker than the first. -- Fair to Good 6/14 Barton-AZ

- 13695 **FRANCE *Radio France Int'l*** via Issoudun – 6/11 0633 noted with commentary and news analysis in French. SIO 333. (Bueneman-MO)
- 13740 **CUBA *Radio Habana Cuba***, 2202, 6-25-22. Male in Spanish with talk then intro to a romantic sounding female vocal. Fair to poor. (Cichorek-NJ)
- 13795 **INDIA *All India Radio*** via Bengaluru – 6/3 1037 noted with discussion in Mandarin. SIO 333. (Bueneman-MO)
- 13810 **TAJIKISTAN *Radio Free Asia*** in CC via Dushanbe. July 2, 2022, 1535 – 1544. SIO 444. OMs in talk / conversation. Moderate QRN, rapid, shallow QSB. Listenable. CNR 1 jammer on this same frequency is not audible here. YL joins at 1542. (Henley, WA)
- 13860 **CHIN. *China Radio Int'l*** in RR to Eastern Europe. June 20, 2022, 1511 – 1518. SIO 333. Heavy QRN. Mixed OM and YL announcers in conversation format. Slow QSB with a listenable but deteriorating signal. (Henley, WA)
- 15420 **MADAGASCAR *BBC World Service*** via Talata Volondry – 6/11 0620 noted with commentary in English. SIO 323. (Bueneman-MO)
- 15490 **VATICAN CITY *BBC World Service*** via Santa Maria di Galeria – 6/11 0625 noted with commentary into news headlines in English at 0630. SIO 323. (Bueneman-MO)
- 15570 **UNITED STATES *WRMI*** in EE religious broadcast. June 29, 2022, 1610 – 1614. SIO 232. Poor, noisy signal. Target is ENAM. OM announcer or preacher. Overall poor listening. (Henley, WA)
- 15575 **SOUTH KOREA *KBS World Radio*** in KK to NAM. July 1, 2022, 1411 – 1415. SIO 444. OMs in conversation. Minor QRN / QSB, easy listening. Good signal. Multiple OMs in talk. (Henley, WA)
- 15575 **SOUTH KOREA *KBS World Radio*** in KK to NAM. June 24, 2022, 1416 – 1422. SIO 434. OM in KK talk. Moderate QRN / QSB. Mixed OM and YL announcers. Sounds of gunfire and howling dogs. (Henley, WA)
- 15575 **SOUTH KOREA *KBS World Radio*** in KK to NAM. June 25, 2022, 1433 – 1445. SIO 434. OM / YL mixed announcers. Drama, possible radio play with multiple OM / YL actors. (Henley, WA)
- 15580 **BOTSWANA *Voice of America*** relay Mopeng Hill – 6/11 0645 noted with pop music, “VOA” ID in English. SIO 333. (Bueneman-MO)
- 15620 **PHILIPPINES *FEBC*** Manila religious broadcast in Javanese to Indonesia. June 25, 2022, 1426 – 1432. SIO 333. OM / YL conversation. QSB to JBA. Heavy QRN, but listenable. Bell / chime MX. Off the air at 1432. (Henley, WA)
- 17745 **MADAGASCAR *BBC WS*** (Talata-Volonondry) 1634, what sounded to be a news magazine in (listed) Kinyarwanda (Rwanda) and off at the beginning of the next hour -- Fair 6/13 Barton-AZ
- 17855 **SPAIN *REE***, Wed June 29 at 2200, token English from REE, VG into Maryland remote; expecting a full report on the NATO Summit in Madrid, but only in the 6-minute opening newscast, on to a feature about some hotel. Maybe by Friday? (Glenn Hauser, OK)



Jerry Berg ♦ 38 Eastern Ave ♦ Lexington MA 02421 ♦ jsberg@rcn.com

<www.ontheshortwaves.com> Update, June 26, 2022 -- One of the nice things about DXing from the east coast of North America was the availability of signals from Africa, home to many exotic places. The best time to listen was mid to late afternoon, just before the stations closed down; or around midnight, when they reopened. Signals could be surprisingly good at these hours, even from low-power stations, such as those of the French colonies, many of which were moving quickly to independence during the years of the late 1950s and early 1960s. Their signals were a reliable presence. And they were good verifiers, partly as a result of their membership in SORAFOM (later OCORA), a French governmental organization that provided support to stations in the French overseas community, including QSL-cards which the stations could use to reply to reception reports. Look for the red "New" on our "Specialized Resources" page for "The QSLs of SORAFOM and OCORA," where we have gathered together many of these QSLs, and added a bit of history on the various stations. It was always a good day when you found one of these in your mailbox.

There is lots of Wavescan material this time. Under "Specialized Resources/Wavescan," we have added to the list the following audio-only entries that were posted in June: "Early Mediumwave Radio in Manitoba, Canada" (N693); "The 100 Year History of Mediumwave WLW in Cincinnati, Ohio" (N694); "The Powerful U.S. Naval Radio Station at Tarlac in the Philippines" (N695); "Another Radio Wedding, in 1920, by Morse Code" (N696); and the "Tribute to Oldrich Cip, R. Prague," Parts III to VI (N693-N696).

The following Wavescans, previously available in audio only, have now been posted in text format: "The Radio Scene on the World's Largest Private Property [Australia]" (N682); "Radio Stations for the Navajo Nation in the United States" (N683); "The Early Marconi Years at Chelmsford" (N684); "The Voice of America on Mediumwave at Poro in the Philipines" (N685); and "The Story of the Two Shortwave Stations Known as Radio Sada-e-Kashmir" (N686).

And finally, Adrian Peterson has included in various Wavescan issues some excellent, comprehensive indexes on major topics. These contain many references to relevant stories in individual issues of Wavescan, and are especially useful for research. We have posted them in our Wavescan list under the numbers of the Wavescans where they appear, and we have bolded them. The indexes are: "Shortwave Broadcasting and Communication Stations in Australia--Progressive Developments in All States" (N682); "The United States on Shortwave--Progressive Summary" (N683); "The American Mediumwave Scene—Mediumwave Transmitter Locations in Continental USA" (N683); "The Radio Scene in the British Isles--Progressive Summary" (N684); and "VOA and AFRS Shortwave Radio Stations Worldwide" (N685). *Thanks, Adrian.*

<www.ontheshortwaves.com> Update, July 10, 2022 -- During the days when HCJB was a regular presence on shortwave, it was hard to think of it as ever having been low power. But, besides its early years, there were several opportunities to hear the station via special low-power transmissions. We review the subject in "HCJB on Low Power." Look for the red "New" under "DX History-I/Stations/Countries/Ecuador/HCJB." -- And in "Specialized Resources/Wavescan," we have posted the following text stories which were previously available in audio only: (1) "Early Mediumwave Radio in the Canadian Province of Manitoba" (Wavescan N693, June 5, 2022); (2) "The 100 Year Story of Mediumwave WLW in Cincinnati" (N694, June 12, 2022); (3) "The Powerful U.S. Naval Radio Station at Tarlac in the Philippines—Four Stations in One" (N695, June 19, 2022); and (4) "Another Radio Wedding" (N696, June 26, 2022). *Thanks, Adrian.*

<www.ontheshortwaves.com> Update, July 24, 2022 -- Portuguese and Spanish were tied for second place among the foreign languages used by the BBC when it started modest foreign-language broadcasting in 1938 (Arabic was first). But these transmissions were for South America. It would not be until the following year that Portuguese-language broadcasts were beamed to Portugal (which was neutral during the war, although toward the end it allowed the U.S. and Britain to use its military bases in the Azores). The BBC also issued some Portuguese-language promotional material during the war; look for the red "New" under "DX History-I/Stations/Countries/U.K." for a BBC postcard and a fan-like schedule, both in Portuguese.

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

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

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

EDITORIAL STAFF

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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