

The **NASA** Journal

VOLUME LXII NUMBER 6

JUNE 2022

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55 Anniversary

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New for '22



WORLD RADIO TV HANDBOOK 2022

This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations. Plus interesting articles, maps and reviews. 76th Edition. ©2021 672 p. List \$49.95.
#2022 \$47.95



WORLDWIDE LISTENING GUIDE

By J. Figliozzi. This book covers all of today's formats: live on-demand, podcast, satellite, internet, digital, analog, AM, FM, shortwave and wi-fi. Learn what can be heard how, where and when! Spiral bound 10th Ed. 168 p. ©2021. List \$29.95.
#0110 \$27.95



2022 SHORTWAVE FREQUENCY GUIDE

By J. Klingenfuss. This guide has 4,000 shortwave broadcast listings by frequency and includes 9,000 abbreviated entries from *Guide to Utility Stations 2021-22*. You get great coverage of broadcast and utility stations in one up-to-date book! 26th Ed. 350 p.
#0061 \$59.95



A Family Affair - The R.L. Drake Story

The behind-the-scenes story of the famous R.L. Drake Company, focusing on the glory days, when Drake was king in amateur radio. Also includes 150 pages of circuit modifications for Drake radios! 300 pgs. ©2000.
#1487 ~~\$29.95~~ Sale! \$21.99



Genuine Plastic Radios of the Mid-Century

A beautiful hardcover book with 439 color photos and values. ©1998 Schiffer 208 p. List \$39.95.
#3086 Sale! \$19.98



Transmitters, Exciters & Power Amps 1930-1980

By R. S. Moore. Over 550 transmitters from 118 companies are featured in this excellent reference with 470 photos. Includes, years produced, price new, bands, modes, power and tubes. ©1996 RSM 144 pages.
#0338 ~~\$24.95~~ Sale! \$13.98



Classic Favorites

Shortwave Receivers Past & Present 1942-2013

Fourth Edition By Fred Osterman

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



King of the Satellites - Six Five O By Thomas Baler

Half off special!
Clearly the famous Satellit 650, was the "king" of the entire Grundig Satellit line. Over 100 pictures are featured in this 80 page book. Learn about variants, production numbers, disassembly, adjustments, bulb replacement and more. Includes full Owner's Manual and schematics. ©2007.
#0650 ~~\$22.95~~ Sale! \$10.98



Pirate Radio By Andrew Yoder

Includes an audio CD!
Here is the incredible saga of America's underground, illegal broadcasters. From early pirate broadcasting to current times. It's all here. 326 p. Includes an audio CD with segments from some of the most famous, infamous and notorious pirates.
#3038 ~~\$29.95~~ Sale! \$19.98



Discover DXing! By John Zando

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



Guide to Utility Stations By Joerg Klingenfuss

2021-2022 Edition
Simply the best guide to non-broadcast stations. Nearly 10,000 frequencies 0-30 MHz for CW, SSB, AM, RTTY and FAX. Fully updated every two years. 31st Edition ©December 2020. 550 pages.
#0809 \$69.95



Listening to Longwave By Kevin Carey

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



Joe Carr's Loop Antenna Handbook By Joe Carr

Here is a comprehensive, but readable guide to understanding and building loops for longwave, medium wave, shortwave and VHF. Loop antennas can be very effective, even if you have limited space and a tight budget.
#0016 ~~\$49.95~~ Sale! \$14.90



E. H. Scott - Dean of DX By Marvin Hobbs

During the golden age of radio, one man, E.H. Scott, set the highest standards for radio receiver performance, innovation and quality. The story of Scott and his Company as related by Hobbs, Scott's Chief Engineer from 1939-1947. 2nd Ed. 240 pgs. ©2004.
#0754 ~~\$29.95~~ Sale! \$19.98



Buying a Used Shortwave Receiver By Fred Osterman

This affordable market guide features the top 100 most sought after shortwave portables and tabletop communications receivers. Photo, specs, features, ratings, plus new and used values for each. Fourth Ed. ©1998 U/R/R. 78 pages.
#0444 \$5.95



Universal Radio, Inc.
752 N. State St. Unit 222
Westerville, Ohio 43082

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NASA Notes

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

From member Tim Noonan we learn that the 28th annual Madison-Milwaukee Get-Together will take 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. In the tradition of alternating between the cities, we return to the Milwaukee area this year at the Noonan home 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.

From the Country List Committee, chaired by John Herkimer, we learn that there is now an updated booklet available on the club's website, www.naswa.net, 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.

There aren't a lot of private shortwave radio outlets still utilizing our favorite spectrum, but Radio Nikkei in Japan is still around. This month John Herkimer takes our cover to Japan to celebrate Radio Nikkei's continued use of the shortwave spectrum with various QSL cards, stamps and other station memorabilia. Radio Nikkei can still be heard so check Listeners Notebook for the latest

operating news. Historically, the station has been an excellent verifier of listener reception reports.

John Figliozzi's Shortwave Center has plenty of good reading this month. Opening the show is an interesting feature about Radio in Nicaragua including several shortwave outlets. Finally, closing out this month is BBC Director-General Tim Davie's Speech to Staff on 26 May 2022 about the future of this great public service broadcasting organization as it moves forward in the digital age.

Aungthu Schlenker of Radio Free Asia informs us of their 6th design in their "radio pioneer" QSL card series. Reginald Aubrey Fessenden, 1866-1932, was a Canadian-born inventor who did a majority of his work in the United States. During his life he received hundreds of patents in various fields, most notably ones related to radio and sonar. Fessenden is best known for his pioneering work developing radio technology, including the foundations of amplitude modulation (AM) radio. His achievements included the first transmission of speech by radio (1900), and the first two-way radio telegraphic communication across the Atlantic Ocean (1906). This is RFA's 79th QSL design and is used to confirm all valid RFA reception reports from May - August 2022. RFA encourages listeners to submit reception reports. Reception reports are valuable to RFA as they help us evaluate the signal

Unity and Friendship




strength and quality of our transmissions. RFA confirms all accurate reception reports by mailing a QSL card to the listener. RFA welcomes all reception report submissions at <http://techweb.rfa.org> (follow the QSL REPORTS link) not only from DX'ers, but also from our general listening audience. Reception reports are also accepted by email at qsl@rfa.org and by mail to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036.

Member Gayle Van Horn's (W4GVH) 18th Edition of her Amazon bestselling Global Radio Guide (Summer 2022) is now available. As one of the only remaining publications available with international broadcast frequencies and schedules, the Global Radio Guide (GRG) puts everything a radio enthusiast needs to navigate the action right in their hands. In this completely updated

edition. This newest edition of the GRG carries on the tradition of those before it with an in-depth, 24-hour station/frequency guide with schedules for selected AM band, longwave, and shortwave radio stations. This unique resource is the only radio publication that lists by-hour schedules that include all language services, frequencies, and world target areas for over 500 stations worldwide. Not only are the bands heating up with world events, but the HF bands themselves are becoming more alive as our sun wakes up from its slumber. The 18th edition of the Global Radio Guide e-Book (electronic book only, no print edition available) is available worldwide from Amazon and their various international websites at <https://www.amazon.com/dp/B09ZK1HWFY/>. The price for this latest edition is US\$8.99. Since this book is being released internationally, Amazon customers in the United Kingdom, Germany, France Spain, Italy, Japan, India, Canada, Brazil, Mexico and Australia can order this e-Book from Amazon websites directly servicing these countries. Customers in all other countries can use the regular Amazon.com website to purchase this e-Book.

Don't forget to pick up your copy of the new 24th edition of the Domestic Broadcasting Survey ("DBS-24") which can now be downloaded free of charge from www.dswci.org/dbs/. The DBS-24 includes the 50th annual edition of the Tropical Bands Survey. A direct link: <http://www.dswci.org/dbs/dbs/dbs24.pdf>. Thanks to Anker Petersen who continues to update the DBS.

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

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 July issue is June 22, 2022.

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

I have graduated from physical therapy for my new knee. I am happy with the results, and I am walking easily without a cane for the first time in years. In final analysis, I recommend knee replacement if you have a good orthopedic surgeon to care for your bad knee(s) but plug and play it's not. It will initially require a caregiver for you and then a lot of, sometimes painful, work on your part.

Older and wiser.
73, Jerry Alice

Bill Montney, bilmont65@gmail.com, S. E. Lower MI

It is a bright sunny Saturday morning here. I just wanted to share my story. I'm sure most of us have heard the term "cut the cord" in terms of today's technology (cable, internet, etc.). Well, I joined the club this past Thursday. It wasn't the perfect day to mow the back yard, but mother nature has assumed her role in heating things up as to where the back yard needed some attention with the lawnmower. Any knowledgeable observer might compare it to the defenders of the Alamo in their last hours before being over-run (as in dandelions vs. every single blade of grass). The story unfolds, the riding lawnmower gets called up for duty. The engine fires-up, the deck lowered, and the blade engages. An hour or so later, we have a more pleasant-green than before. But, trying to be some-what caring about nature, an area was being left uncut for the so much needed pollinators. Later, upon retiring to my radio-room, I discover from lack of any signs of signals as in a blank-screen, obviously, something was amiss. No need on-guessing here. Taking a little walk in the back yard I discover my coax had, well, it wasn't a pretty sight laying there. A 100ft section of coax had been severed. The first time ever, in all my years, of being careful, not even a nick, ever! Fortunately, years back, I joined the club that always has a Plan B. I had 50- and 25-foot rolls of coax that I had purchased, just in case of necessity. That being said, within the next hour, with a light rain on-going, I had my horizontal "L" restored with new coax. And all is good. End of story here? No, not quite! I did the same darn thing (as in cutting the cord) again, a week later. Dumb, dumb, dumb. Will someone hide my lawnmower keys. Please!! Needless to say, Amazon came to my rescue in terms of replacement coax delivered the next day. My antenna is now back in service again. For a long time, this time, I hope! The end?

73, Bill

Thanks to all contributors who make this column possible.

Listening Review

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

Welcome to Listening Review for June 2022.

Texas Radio Shortwave

Thanks to **Terry Colgan** of **Texas Radio Shortwave** who continues to provide a great line-up of programming throughout 2022. Here is what is coming up for the next four months.

WRMI: (TRSW Old-Time Radio) Saturday 2300UT on 5950 kHz:

4+11 June: Camel R&R Dance Party
18+25 June: Suspense (episodes: "The Cave of Ali Baba" / "The Burning Court")
2+9 July: Gang Busters (The Case of "...the Unknown Killer" / "...Clyde William Buchanan")
16+23 July: Hopalong Cassidy (episodes: "Coltsville Territory" / "King of Spades")
30 Jul+6 Aug: I Was a Communist for the FBI (episodes: "The Red Gate" / "Exit On the Left")
13+20 Aug: Have Gun Will Travel (episodes: "Landfall" / "Dressed to Kill" / "Hired Gun")
27 Aug+3 Sep: Cloak and Dagger (episodes: "File 2218" / "The People in the Forest")

WRMI: Sunday 0000UT on 5950 kHz:

5+12 June: Roger Miller Music Special
19+26 June: Texas Reggae
3+10 July: On-Stage: Luckenbach Dance Hall
17+24 July: On Stage: 2022 Rodeo Houston
31 July: 5th Sunday Special: Early Texas Rock
7 Aug: Deep Ellum Arts Festival 2022 - **Wk 1**

14 Aug: Deep Ellum Arts Festival 2022 - **Wk2**
21+28 Aug: Viva Big Bend Music Festival
4+11 Sept: Vikki Carr Music Special
18+25 Sept: Texas Love Songs
2 Oct: Austin City Limits Festival 2022 - **Wk 1**
9 Oct: Austin City Limits Festival 2022 - **Wk 2**

WRMI: Sunday 0100UT on 5950 kHz:

5+12 June: Bob Wills & Texas Playboys
19 June: Juneteenth
26 June: Buddy Holly
3 July: Texas Fourth of July
10+17 July: Clarence "Gatemouth" Brown
24 July: Johnny Winter Music Special
31 July: Asleep At The Wheel
7+14 Aug: Lightnin' Hopkins
21+28 Aug: Doug Sahm Music Special
4+11 Sep: Tanya Tucker Music Special
18+25 Sep: Willie Nelson Music Special
2+9 Oct: Robert Earl Keen Music Special

Channel 292: Sat. 0900UT on 6070 kHz:

18 June: Bob Wills & His Texas Playboys
16 July: Clarence "Gatemouth" Brown
20 Aug: Lightnin' Hopkins
17 Sept: Tanya Tucker Music Special

Channel 292: Sat. 1800UT on 3955 kHz:

18 June: Texas Reggae
16 July: On Stage: 2022 Rodeo Houston
20 Aug: 2022 Viva Big Bend Music Festival
17 Sept: Texas Love Songs

WBCQ: Sunday 0200UT on 6160 kHz

26 Jun: Bob Wills & Texas Playboys
 24 Jul: Clarence "Gatemouth" Brown
 28 Aug: Viva Big Bend Music Festival
 25 Sep: Tanya Tucker Music

In summary, **TRSW** airs:

- on **WRMI** weekly on Saturdays at 2300, and Sundays at 0000 & 0100 on 5950 kHz;
- on **Channel 292** on the third Saturday of month at 0900 on 6070 kHz, and at 1800 on 3955 kHz; and
- on **WBCQ** on the last Sunday of the month at 0200 on 6160 kHz.

A different eQSL is available for each of these broadcasts!



Radio Angela (WBCQ)

There are a few more changes to the schedule for the **WBCQ Radio Angela** entertainment block. Firstly: the big news is a change of frequency which should have already taken place by the time of publication – moving from the old 4790 frequency to new 5130 kHz (due to the intermittent and at times severe co-channel CODAR interference on the former frequency). Secondly: there are some new programs being added on Fridays. First is **A Way With Words** a word origins/word games program that should appeal to everyone who loves the English language whether or not it is their primary tongue. On the 5th Friday will be **WBCQ Comedy Ration**, with varied comedy content. Finally, there will be a short poetry spot **Line Break** with

Tammy Walker, weekly at 0255 and on 4th Fridays at 0355. Here is the latest updated schedule (with all days mentioned in UTC), *but note that these programs are originally scheduled the preceding day in EDT time for the Americas, so for example “Friday Week 1 UTC” below actually means the “Friday following the first Thursday of the month”.* (All programs are one-hour unless otherwise shown).

Monday

0200-0400 **WBCQ Concert Hall** (2-hr program)

Tuesday

0200 **Marion's Attic**
 0300 *Wk:1,3* **Bluegrass State of Mind**
 0300 *Wk:2,4,5* **The Roots of Country**
 0400-0410 **R Angela After Midnight****

Wednesday

0200 *Wk:1,2,3,4* **Behavior Night**
 0200 *Wk:5* **WBCQ Open Mic**
 0300 **Jetzt Geht's Los!**
 0400-0410 **R Angela After Midnight****

Thursday

0200 *Wk:1,3* **Scorched Earth Radio**
 0200 *Wk:2* **Tom Call Theater**
 0200 *Wk:4* **Radio New Music**
 0200 *Wk:5* **Open Mic/Watch This Space**
 0300 *Wk:1* **Canadian Content R**
 0300 *Wk:2* **Far Out East**
 0300 *Wk:3* **Maria Bonita Spanish**
 0300 *Wk:4* **Finn Folk**
 0300 *Wk:5* **WBCQ Polka Party**
 0400-0410 **R Angela After Midnight****

Friday

0200-0230 **Pirate Joe Literary HalfHour**
 0230-0255 **Plain Old Doug Show**

0255-0300 **Line Break – Poetry**
0300 *Wk:1,3* **Scorched Earth Radio Rpts**
0300 *Wk:2* **Colombian All Music En/Sp**
0300-0355 *Wk:4* **A Way With Words**
0355-0400 *Wk:4* **Line Break – Poetry**
0300 *Wk:5* **WBCQ's Comedy Ration**
0400-0410 **R Angela After Midnight****

Saturday

0200 **Rpt of prgm** aired Thu 0300
0300 **From The Isle of Music**
0400-0430 **Glenn Hauser's World of R.**

Sunday

0200 **Ginga Brasil**
0300 **Uncle Bill's Melting Pot**

** = After Midnight includes **EarthDate**
&/or **Science & The Sea + comedy bits**)

BBC World Service

The History Hour on the **BBC WS** is always fascinating. This fifty-minute program is in fact an omnibus edition, or compilation, of the previous weeks' weekday editions of the ten-minute **Witness History** program. I tuned into **The History Hour** on Sunday 15 May at 1900UT on 12095 kHz (via Ascension Island).

The first item drew a link between current concerns that Russia might mount an attack on Moldova with the war in the 1990s between the Moldovans and Russian-backed separatists in the disputed region of Transnistria. The item started with a first-hand account by former film-journalist Viorel Cibotaru (who later went on to become the Moldovan defence minister). On one occasion he was filming with a Swedish reporter when they came under direct fire, but the Swedish reporter continued reporting saying "we are now under fire!". On another occasion, Viorel Cibotaru and a

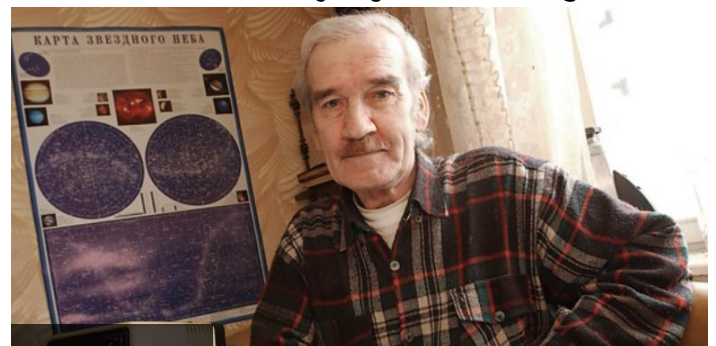
group of reports found themselves pinned down by snipers. A Moldova tank passed by and offered them a lift out of the danger zone. He said:

"It was very dangerous [there], and one of my companions was insistent, 'let's go, let's go', but I said 'let's wait a little bit'. He was insistent 'let's go with this armoured vehicle'. The driver of the vehicle said 'I have one mission for half an hour, and then I will be back'. They started to leave, and after fifty meters, he was hit by grenades, and the vehicle was completely destroyed and all the people were killed".

Viorel continued with a story of how he became the first person to get video footage proving that Russians were involved in the dispute in Transnistria.

The second item in today's program also drew a link with the current war in Ukraine with the menacing hint by President Putin of the tactical use of nuclear weapons. In this story there is an interview from 2008 with Lieutenant Colonel Stanislav Petrov (pictured, courtesy BBC WS website), in 1983, during the height of the Cold War, about "how close we came to Armageddon" at that time; "pretty close" was the answer, as Stanislav Petrov revealed. He was on duty, in charge, in a Soviet military command centre outside of Moscow which used satellites to monitor ballistic missile bases in the United States.

Petrov: "It was an ordinary day; I wasn't meant to be on duty – just standing-in for a



colleague. [...] The atmosphere [at the time meant] that we believed that we were actually on the brink of war with the United States [...] Completely unexpectedly, the siren went off. It continues: a low, loud sound. And at the top of the wall, on the white screen, a single word appears in large red letters 'START'. The satellite had detected [...] a missile in the process of being launched! [...] I picked up my telephone hotline and reported it [...] I was still on the phone when the alarm went off again, I said 'I've got a second one' [then] there was a third, fourth and fifth one with a five-minute interval. After the fifth launch, the sign changed from 'START' to 'MISSILE ATTACK'.

Presenter: "A nuclear attack should trigger Soviet retaliation. Petrov's job was to advise his bosses on what he was seeing. If real, it would take around eight minutes before missiles from the US would reach Soviet territory, [and be confirmed by ground radar]."

Petrov: "I had to act very quickly. I couldn't afford to allow eight minutes to pass. I knew I had to think fast."

Presenter: "Petrov had doubts about what he was seeing [...] and soon made the crucial decision to tell his bosses he thought it was a false alarm."

Petrov: "The doctrine at the time said that [a missile attack] would start with a massive launch of all the missiles. Five just were not enough. I had a gut feeling that it wasn't a real launch. [...] It was so tense that I couldn't even stand up."

It seems that the false alarm was caused due to a satellite problem that mistook an atmospheric phenomenon for a missile launch. Fascinating stuff!

The program continued with stories by an Egyptian poet remembering how 48 hours of unrest in 1977 forced the government to scrap a huge increase in the cost of bread, how China allowed capitalist activity for the first time since the Communist Revolution, and an Icelandic geophysicist recalled how the 2010 eruption of the Eyjafjallajökull volcano caused disruption all over Europe. The program at www.bbc.co.uk/programmes/w3ct39l4 is well worth a listen.

The History Hour is scheduled weekly at:

- Saturday: 1306UT: 11685-sng 11805-sla;
- Sunday: 1906UT: 6155-sao 6195-dha 7265-mdc 7445-mdc 11680-wof 11810-wof 12095-asc;
- Monday: 2306UT: 3915-sng 6195-sng 7465-sng 11825-pht.

There are five editions each week of ***Witness History*** scheduled each day Monday to Friday at:

- 0750UT: 11810-asc 13580-sao 13600-sao 15490-wof 17530-mdc 17640-mdc 17830-smg;
- 1150UT: 6195-sng 9410-sng 11945-sng;
- 1750UT: 6195-sla 12025-sng; 2150UT on 11810-wof 12095-asc.

Still Plenty to Hear on Shortwave!

Finally, a quick roundup of a few other programs that have recently caught my ear:

VORW Radio International. On 6 May at 1600UTC on 9670 kHz, I tuned in to the new weekly airing of John Jurasek's ***VORW R Int***, organised via Channel 292 and aired at a higher power via the Moosbrunn transmitter rather than their regular direct transmissions via Rohrbach. As always, there

was an enjoyable selection of songs chosen by listeners and I did appreciate being able to listen to John's program with a strong, clear reception. **VORW R Int** via the 100 Kw Moosbrunn transmitter is Fridays at 1600UTC on 9670kHz.

Radio Andorra Revival. There was another of the occasional special airings of archived recordings from the long-defunct **Radio Andorra** on 7 May from 1700-2000 on 6180 kHz (repeated later on 13730 kHz from 2100-2400UTC (both via Moosbrunn): **Radio Andorra Revival.** The program was restored and produced for shortwave by Christian Milling of Milling Broadcast Services. This transmission was one of a series of programs called "Carte Blanche à ..." which was hosted by a well-known artist of the day presenting their favourite songs and interviewing other guest artists. This episode from 1979 saw the artist Dalida presenting a three-hour edition of "Carte Blanche à Dalida". I have to say that Dalida is an artist previously unfamiliar to me, so I found a long entry about this actor/singer in Wikipedia to find that she was an Italian-French singer and actress born in Egypt, who understood five languages and interpreted her songs in eleven languages. She sadly died on 3 May 1987 of an overdose. This airing of Carte Blanche therefore marked the anniversary of her passing. Whilst difficult for me to follow along in French, the quality of the restoration was first-rate, and I enjoyed the included music which invoked a nice sense of time: one almost felt transported back to 1979.

There is usually limited advance publicity for these special programs. Possibly too late for this issue, Christian Ghibaudo in the BDXC iog mail list advises that the next such program, a "carte blanche" to French actor/crooner Guy Marchand, will be/was on Saturday 4 June. Listen out at similar times and frequencies on the first Saturday of each month for further such programs. Hopefully

we can again publicise further programs via the NASWA iog mail list.

CGTN Radio. The **Music Talks** program on **CGTN Radio** on 7 May on 7350 kHz was another enjoyable, and informative, episode. This time there was a feature about *The Gezi* - a band consisting of 13 young adults living with autism. The program starts with The Gezi playing classic "Radetzky March" rearranged for 6 pianos, each with 2 members playing on the same instrument. The program continued with more excerpts of the band singing and playing various instruments under the tutorship of their leader Hou Linqi, who explains how she teaches the group. An interesting program. **Music Talks** is scheduled Saturdays at 2330, Sundays at 0530, 1030, 1330 and 1730.

Voice of America. On 11 May at 1830UTC I listened to the **VOAs** long-running weekly radio program **Straight Talk Africa** (which is in fact a simulcast of the VOA TV program) on 15580 kHz via Botswana. This was an interesting discussion about the trial of Ali Kushayb at the International Criminal Court in The Hague. Ali Kushayb is the alleged Janjaweed leader accused of committing war crimes during Sudan's conflict in Darfur that began in 2003, although in court the defendant is claiming a case of mistaken identity and that he is not Ali Kushayb. The whole program was a discussion between the regular host Haydé Adams and Nabeel Biajo, a journalist from the VOA South Sudan in Focus radio news-team, covering the



background of the events in Darfur and the current court case, which it seems is likely to continue for some years. A very interesting report on events, currently being over-shadowed by the war in Ukraine.

Straight Talk Africa is highly recommended listening for its coverage of events in Africa with detailed background stories. It is heard weekly at 1830UTC on 6080 & 15580 (via Botswana) and 17530 (via Vatican).

Until next time, 73's – Alan

International Broadcasting

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

Do we have a right to receive propaganda?

Over the many years, we NASWA members have been exposed thousands of hours of propaganda from countries unfriendly to the United States. This has been from the likes of Radio Moscow, Radio Beijing, Radio Havana, Radio Tirana, and others. I think, by and large, we have not been swayed by these efforts. But it was interesting to hear what these stations had to say, and how they presented their radio programs, music included.

The United States government never attempted to jam these broadcasts. Nor did the democracies of western Europe. But, in recent years, this laissez faire attitude towards dictatorial propaganda has given way to measures to impede or even block content from certain regimes. In the United States this largely been in the form of labeling content as coming from government-controlled media. There are also situations in which private platforms have yielded to political pressure, rather than direct government dictates, to remove some foreign channels. For example, RT (Russia) is no longer on DirecTV or YouTube.

In Europe, more specific measures have been taken to keep out Russian propaganda. In early May, European Commission President Ursula von der Leyen announced, "We are banning three big Russian state-owned broadcasters from our airwaves. They will not be allowed to distribute their content anymore in the EU, in whatever shape or form, be it on cable, via satellite, on the internet or via smartphone apps." (politi.co/3wPTp0s). The three broadcasters are RTR Planeta, Russia 24 and TV Centre, added to RT and Sputnik, already banned in the EU.

Crossing the bridge: blocking websites

The elimination of Russian media from private platforms – cable, satellite, social media – is one thing. A bridge, however, is crossed when Russian media websites are blocked from what is sometimes described as the *public* internet. Here in the United States, rt.com and sputniknews.com are accessible – so far. In the Netherlands, according to reports (eg bit.ly/3GgQ0fp), RT and Sputnik are blocked by at least three internet service providers.

This means that, at least in parts of Europe, there is no way to find out what pro-Kremlin media have to say about current events, unless one can successfully use circumvention tools such as VPNs, Tor, Psiphon, etc. European journalists and students of international affairs would like to have such access -- not to be persuaded, or with any expectation of being persuaded, but to know how the Russians are framing events, no matter how ridiculous their frames may be.

We can see a possible slippery slope. Could Russian media websites eventually be blocked here in the United States? Could the blocking of websites in Europe and the USA extend to other media outlets such as CGTN, teleSUR and Al Jazeera?

We can try to compare this increased interdiction of Russian, even basic websites, with international radio, never or rarely jammed by Western nations. Perhaps it has something to do with the laborious task of transcribing what was heard in a radio

broadcast, then mailing that transcript to a print publication, which might, eventually, publish it. On the other hand, via the social media, re-disseminating information can be as simple as clicking a share button. Indeed, RT and Sputnik are generally not considered to have much impact in the United States, except in their being amplified through "engagement" by mostly right-wing, pro-Trump social media users.

After decades of receiving broadcasts from America's enemies and adversaries, it is sobering to think that we might one day have to depend on other news media to describe for us, greatly abridged, what those countries have to say.

And it might be that we will again have to use our shortwave radios to access this forbidden content, provided that those countries are shrewd enough to use shortwave to get their views across.

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

Summer seems the best time to read up on shortwave background articles. The bands kind of become less attractive due to higher static and overall noise levels. And we tend to feel we should be spending more time outdoors so as not to "waste" the relatively

fewer months of good weather hibernating inside with our boat anchors. So, for the next few months, enjoy these anthologies with your favorite warm weather beverage(s) – and maybe a shortwave portable.

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!



SHORTWAVE COUNTRY PROFILE

RADIO IN NICARAGUA

by Stig Hartvig Nielsen
Communication – Monthly of the British DX Club (BDXC)
April 2022 – Edition 569

The Early Years

It was in 1927 - during the 20-year-long US occupation from 1912 to 1933 - that radio was used in Nicaragua for the very first time. American marine soldiers had brought in radio equipment for communicating with US troops in the mountains of Segovia; troops that were fighting the freedom fighter, the later national hero Augusto César Sandino. In 1927, Sandino had just started a guerrilla uprising against the American occupation.

These first radio transmissions were not aimed at ordinary citizens, but in 1930 the first broadcasts to the public were launched by **Radiodifusora YNLP - Radio le Franc**. The daily schedule was 0600-2100, but the station initially had a short lifespan, as it was destroyed by a strong earthquake in Managua already the following year. In 1934, however, **Radio le Franc** returned.

In 1933, the US set up a kind of a radio training school in Nicaragua, and a few months later, the German-owned **Radio Bayer** went on the air using 1230 and 5785 kHz with the slogan "Si es Bayer - es buena" (If it's Bayer - then it's good). With a mix of music and entertainment, the station quickly became popular, and despite competition from other stations from 1934 onwards, **Radio Bayer** was the most popular radio station in Nicaragua in the 1930s. But that was as long as it lasted.

At the beginning of World War II, when Nicaragua was on the Allied side, a

persecution of Germans began in Nicaragua, which also meant, that **Radio Bayer** was closed and the station's equipment confiscated in 1939.

Among the other radio stations in Nicaragua in the 1930s were - in addition to the German **Radio Bayer** and the French-leaning **Radio le Franc** - a station such as **La Voz de Nicaragua** with close relations to **Radio le Franc**. And in 1935, **Radio Rubén Darío**, named after the great national writer and poet of the same name, began operations. Radio Rubén Darío had a strong focus on cultural broadcasts and was the first radio station in Nicaragua to broadcast live performances and having remote broadcasts.



This building houses two of Nicaragua's largest radio stations, Radio Sandino and La Nueva Radio Ya, as well as four smaller FM stations. Previously, Radio Ya had its own radio house, but it was burned down in 2018 by armed motorcycle thugs.

The 1930s also saw the opening of the conservative **Radio Mundial, La Voz de los Lagos, Alma Nica, Onda Latina, Radio Nicaragüence, Radio Pilot** and **Radio Philips** - all from the capital Managua, and the two major provincial cities, León and Granada, also got their own radio stations.

In the 1940s, even more radio stations opened. One of the most important was **La Voz de América Central**, described as a modern and significant radio station and as the great pioneer in broadcasting in Nicaragua. The station had the best hosts and the best entertainers - and even the best coverage of the entire country. On shortwave of course.

Another popular station in 1940s Nicaragua was **Radio Voz de la Victoria** - in particular because of the station's music broadcasts. Reportedly, there should have been about 23 radio stations in Nicaragua in the 1940s.



Radio Corporación is one of the most prominent, government-critical and anti-Sandinista voices in Nicaragua. The station has existed since 1945 and plays a significant role in the country.

Shortwave Still Most Important in 1947

Although the German **Radio Bayer** also was broadcasting on mediumwave in the 1930s, shortwave was the preferred choice of frequency range until the late 1940s, when more stations began to appear on mediumwave.

However, a look in the 1947 *'World Radio Handbook for Listeners'* shows no mediumwave stations - only shortwave stations:

- 6273 kHz (100W) - YNXW Radio Americana
- 6450 kHz (500W) - YNWW Radio Sport
- 6550 kHz (100W) - YNBH Radio Panamericana
- 6700 kHz (200W) - YNCMO Radiodifusora 'Ecos de America'
- 6760 kHz (800W) - YNVP La Voz de Nicaragua
- 6950 kHz (150W) - YNQ La Voz de la Victoria
- 6890 kHz (250W) - YNOW La Voz de la América Central
- 7103 kHz (100W) - YNET Emisora del Pueblo Radio Massaya
- 7400 kHz (100W) - YNAT La Voz de León
- 7502 kHz (100W) - YNFT La Voz de la Sultana
- 7615 kHz (100W) - YNLAT La Voz del Mombacho

Prospering Radio Scene in the 1950s and 1960s

Not many people in Nicaragua could afford a radio set in the 1930s, 1940s, and 1950s. It was a thing of the elite. However, radio receivers gradually became cheaper, and from the mid-1960s, small, inexpensive portable transistor radios were introduced. In 1963, a census showed that there were 100,000 radio receivers in the country. The population in 1963 then numbered almost 2 million. As early as 1966, the number of radio receivers had increased to 150,000, and the population had increased to almost 2.2 million.

During the same period - from 1963 to 1966 - the number of radio stations in Nicaragua increased from 63 to 82. Out of the 82 stations, 69 were AM stations and 13 FM stations. FM thus gradually began to gain some popularity in the late 1960s - and FM's major breakthrough came in the 1970s. At the same time, the number of shortwave stations also started to decline rapidly.

Illiteracy under Somoza was very high in Nicaragua - especially in rural areas, where only 10-20 percent could read - and thus radio was a far more attractive mass media than newspapers and magazines. Until 1980, radio was the most widely used mass media in Nicaragua.

Part of the history of radio in Nicaragua during this period is also the introduction by the Somoza regime in 1960 of a very strict censorship law.

Radio Sandino

As mentioned, Nicaragua was occupied by the United States from 1912 to 1933. Subsequently, the US installed Somoza as head of the National Guard. Somoza knew a little English, after working as a taxi driver in the US, and he and his family came to rule



Radio 800 is one of the stations in Nicaragua which is on mediumwave only. The station claims that it still using 50,000 Watts of power.

Nicaragua under a right-wing dictatorship until 1979; always closely allied with the US. The wealth of the family grew every year, and gradually they came to own over a third of the country -- land, companies, factories, etc.

The struggle for freedom for the Nicaraguans began with a small guerrilla group of 50 men in 1927 under the leadership of Augusto César Sandino. Despite the US deployment of troops and military aircraft, the US never succeeded in defeating the Sandino army. Sandino was assassinated in 1934, and he was later the inspiration for the creation of the FSLN, the Sandinista Front for National Liberation, which in the 1960s and 1970s spearheaded the popular uprising against the Somoza dictatorship.

On November 22, 1976, the Sandinistas began radio broadcasting. From a mobile studio and a mobile transmitter facility in southern Nicaragua, **Radio Sandino** went on the air on a shortwave frequency in the 49-metre band - right next to the **Radio Moscow** frequency, on which Spanish was broadcast to Central America. "A lot of people thought we were broadcasting from Costa Rica, but we were actually broadcasting from within Nicaragua, and we were constantly moving transmitter position," says journalist for over 40 years and now employed at **Radio Sandino**, Luís Padilla. He adds that they were inspired by the Cuban '**Radio Rebelde**' and that they received support - both financially and in the form of equipment - from both **Radio Moscow** and **Radio Habana Cuba**.

The broadcasts on **Radio Sandino** were aimed both at the various brigades of the Sandinistas all over Nicaragua and to the general population of the country. Luís Padilla remembers that the radio could be heard throughout the country - as well as abroad - and that there were many listeners.

However, it was forbidden to listen, and sometimes listeners were caught by Somoza's National Guard.

Three years later - in 1979 - the Sandinista revolution triumphed, Somoza fled the country, and **Radio Sandino** became an official, legal station. Some equipment for the radio was "snatched" from some of the old Somoza-friendly radio stations, says Luís Padilla with a smile.

In 1979, **Radio Sandino** was transferred into an entirely different type of radio station. Instead of broadcasting only half an hour at a time as a clandestine station, they now began broadcasting all day and with more mixed programs. The station - often now known as "La Sandino" - never became a government radio but continued to be the Sandinista radio station.

Today, the station with over 40 employees is among the ten biggest in Nicaragua, and it works closely with five other radio stations - especially Nicaragua's most popular station **La Nueva Radio Ya**. All six radio stations have the same owner. It is allegedly President Daniel Ortega's family members who own the radio stations - in addition to some TV stations, and although the stations are not directly funded by the Sandinista government, a lot of advertising is placed by the state on these pro-Sandinista radio and TV stations, while opposition radio and television stations receive far less advertising revenue from the state.

Radio Station Burned Down by Rebels - Radio Station Closed by Government

Critical voices of Nicaragua claim that only pro-Sandinista media exist in the country, and that all opposition channels have been closed. That is not true. There are still highly critical media, bourgeois media - both on TV and radio - e.g. the old, large **Radio**

Corporación. This station also existed in the Somoza era, when the station also was in opposition, and where **Radio Corporación** actually was closed down by the Somoza regime in 1979 - three months before the Sandinista revolution.

2018 saw some serious riots and unrest. The goal was to oust the Sandinista government. The rebels were largely trained and funded by the United States. Some radio stations aligned with the rebels, and one radio station in particular - **Radio Universidad** - took an active part in encouraging vandalism, attacks and riots, and this station was eventually closed, whereas other anti-Sandinista stations - such as **Radio Corporación** in Managua and **Radio ABC** in Estelí - continue to broadcast and continue to be highly critical of the Sandinistas.

In connection with the riots - by many called the coup attempt - in 2018, the large Sandinista station **La Nueva Radio Ya's** radio house - located closely to the Central American University - was attacked several times and finally set on fire by coup plotters. The signal for the attack was given by a host on the television station '100% Noticias', who suddenly in a live broadcast shouted that now **La Nueva Radio Ya** was under attack. However, the staff at **Radio Ya** could see that everything was peaceful, so this was just the "starting shot" for a carefully planned action.

Shortly afterwards, the host of '100% Noticias' claimed that the people at **Radio Ya** were armed and that they were in the process of sending people out the back entrance and over to the university to attack the students there. A myriad of motorcycles arrived - both in front of and behind the radio building, which were quickly ignited by mortars and Molotov cocktails, which were sent into and on top of the building. A Molotov cocktail was thrown in front of the

front door, and the 21 employees who were at work on **Radio Ya** could not escape – at the same time as the smoke inside got worse and worse. At one point, the attacks subsided, and the employees managed to escape from the burning building to a nearby bus station. Some were chased by five motorcycles, but the broadcasters from **Radio Ya** managed to run to a shopping area, where several citizens began filming the chasers with their mobile phones. The thugs, who were armed, therefore withdrew, and the staff of **Radio Ya** survived.

‘100% Noticias’ was subsequently closed due to its role in the coup attempt in Nicaragua. And now, four years later, **Radio Ya**'s buildings are still in ruins, but **Radio Ya** is broadcasting again - now from the same media house as **Radio Sandino**.

Diverse Media Landscape

In Nicaragua today there are between 250 and 300 radio stations. Four large stations - three of which are pro-Sandinista - broadcast almost nationally, but in for example, Bluefields on the Caribbean coast and on Corn Island off the Caribbean coast, one cannot hear any of the stations from Managua that otherwise boast of having national coverage.

In Bluefields you can - in addition to some 10-15 local stations on FM - receive many stations from Costa Rica's capital San José (distance 230 km; probably the stations from San José have

their transmitter aerials located on top of a tall mountain), and on Corn Island the Colombian station ‘**RCN**’ broadcasting from the island of San Andrés is a powerhouse on 910 kHz (distance 150 km over sea path).

In total, there are about 30 radio stations on the Caribbean coast and Corn Island, where some 15 percent of the country's population lives. Among these stations is **Radio Miskut** in Bilwi (Puerto Cabezas) - the last station from Nicaragua to transmit on shortwave from about 1993 to 2004 on 5770 kHz with a 1 kW transmitter donated by a US businessman. About half of the radio stations in the easternmost part of the country broadcast in English, Creole, Miskito, and some of the other native languages.

In Managua, there are ten stations on mediumwave, of which four broadcast exclusively on mediumwave, while the six others also broadcast on FM. Some stations, such as **Radio la Primerísima** still has a mediumwave aerial and transmitter in working order, but according to the station it is too expensive to transmit on

mediumwave.

Although virtually all mediumwave stations transmit from Managua, the attitude is that it is especially in rural areas that mediumwave is used for listening. Checking the medium wave band on a car radio at different places in Managua and Granada revealed a lot of manmade noise, so apparently not much is being done to avoid noisy routers,



It is no longer an easy task to catch Nicaragua on AM overseas, after the closure of the last short wave station Radio Miskut twenty years ago, but the station that by far is the most often heard in Europe is Radio Maranathá on 1440 kHz. Here - their new premises on Antigua Sandak Ivan Montenegro.

dimmers, traffic lights, etc. that destroy the mediumwave band.

The FM band is quite well packed in Managua, and - excluding the stations from the provinces (incl. Estelí and Ocotál, which are heard surprisingly well in the capital) - then there are 45 different stations to choose from in Managua on the FM band between 89.1 and 107.9 MHz. Most broadcast music and most focus on local, Nicaraguan and other Latin American music, but other genres of music are also heard and there are also several Christian radios and talk radios. Something a little peculiar for Nicaragua is that there are a lot of both FM and mediumwave stations - especially the slightly smaller stations - that do not broadcast evenings and nights, but have sign off at 1700, 1800 or maybe a little later.

There are also about 20 grassroots radios in Nicaragua, including stations owned by women's collectives. A station that stands politically to the left of the Sandinistas, **Radio La Primerísima**, also exists and is among the more popular stations in Managua.

Sources:

"La Radio en Nicaragua - Sus Protagonistas" (Miriam Palacio Sevilla), World Radio TV Handbook, Area Handbook for Nicaragua (John Morris Ryan), Wikipedia, Den Store Danske, Preben Høeg Rasmussen (Danish journalist residing in Nicaragua), el19digital.com, medialandscapes.org, tortillaconsal.com, Reuters (Drazen Jorgic or Ismael Lopez)

AM radio in Managua

540 kHz - Radio Corporación - 0400-2305
580 kHz - Radio 580 - 0500-1805
600 kHz - La Nueva Radio Ya - 24/7
620 kHz - Radio Nicaragua - 0500-2000

660 kHz - Radio Máxima - 0600-1000 *)
720 kHz - Radio Católica - 0500-2200
740 kHz - Radio Sandino - 24/7
800 kHz - Radio 800 - 0500-2000
1120 kHz - Radio CEPAD - 0500-1700
1440 kHz - Radio Maranathá - 24/7

*) Possibly transmitting from the neighbouring town Masaya, and mostly retransmits the sister station Stereo Caliente 89.3FM. Broadcasting hours are irregular; often the transmitter isn't switched on before around 0630 or later and sometimes it runs into the afternoons.

All times are local time in Nicaragua (UTC + six hours).

Only one station from the provinces is confirmed on the air: 870 kHz - **Radio Centro** from Juigalpa.

FM Radio in Managua

71.75 Canal 4 (tv-audio)
87.75 Canal 6 (tv-audio)
89.1 Fiesta Latina
89.9 RT
90.3 Radio Catarina
90.5 Radio Nicaragua
90.9 Radio La Marka
91.3 Radio Futura
91.7 Radio la Primerísima
92,1 Radio Estación X
92.3 La Maquina del Tiempo
92.7 Advent Stéreo Radio Adventista
93.1 Radio la Buenísima
93.5 Alfa
93.9 Radio Tigre
94.3 Ondas de Luz
94.7 Radio Mujer
95.1 La Pachanguera
95.5 Radio Amor
95.9 Sonora
96.3 Amante
96.7 Happy
97.1 Radio Mía

97.5 Radio Corporación
 97.9 La Picosá
 98.3 La Viva
 98.7 Romántica
 99.1 La Nueva Radio Ya
 99.9 Radio María Nicaragua
 100.3 Radio la Tuani
 100.7 Radio Nova
 101.1 Radio Activa
 101.3 Radio La Original
 101.5 Radio Juvenil
 101.9 Clásica
 102.7 Magic
 103.1 Radio Bautista
 103.5 Radio Maranatha
 103.9 Joya FM
 104.3 Radio Estrella del Mar
 104.7 Radio Hit
 105.1 Mi Preferida
 105.5 La Rock
 105.9 Radio Estéreo Rica
 106.3 Suprema
 106.7 La Nueva
 107.1 Lite
 107.5 Radio Sandino
 107.9 Radio Restauración

In addition, many stations from the provinces Estelí, Ocotál and Jinotega, are heard.

Shortwave Stations

For the first many years, shortwave was by far the most preferred frequency band in Nicaragua.

Now the last shortwave transmitter is long closed. But here's a look at the shortwave stations of the last approximately 50 years - as registered by the WRTH 1972-2022. Note that stations were often included in the WRTH for some time after they stopped broadcasting - for example, **Radio Miskut** is included in the WRTH up till 2007, although the station's final broadcast on 5770 kHz was in April 2004.

4940 - 1.2kW - Radio RICA, Managua - 1991-1996
 5770 - 1kW - Radio Miskut, Puerto Cabezas - 1994-2007
 5945/50 - 50 kW - Radio Difusora Nacional, Managua - 1972-1984
 5950 - 50kW - Radio Nicaragua, Managua - 1991-1996
 5955 - 0.5kW - Radio Zelaya, Bluefields - 1972-1982
 5965 - 0.5kW - Radio Mundial, Managua - 1972
 5970 - 1kW - Radio Miskut, Puerto Cabezas - 1991-1993
 5995 - 0.5kW - Radio Juvenil, Bluefields - 1973-1975
 6010 - 0.1kW - Radio Eco, Managua - 1972-1979
 6015 - 50kW - Radio Difusora Nacional, Managua - 1985-1987
 6025 - 5kW - Radio Equis, Managua - 1972-1975
 6040 - 1kW - Radio Managua, Managua - 1972
 6055 - 0.5kW - Radio Fronteras, Somoto - 1972
 6100 - 0.4kW - Radio Hernández de Córdoba, Octotál - 1972-1983
 6100 - 50 kW - Radio Dif. Nacional, Managua - 1985-1990



Radio Centro in Juigalpa is probably the only station - outside the Managua area - using mediumwave in Nicaragua. Is on 870 kHz and can i.a. be heard all the way to Granada, but is suffering from interference mornings and evenings by Radio 870 UCR from Costa Rica.

6120 – 1kW – Radio Atlántico, Bluefields – 1972-1980
6130 – 2kW – Radio Zinica, Bluefields – 1981-1992
6160 – 1kW – Radio Sandino, Managua – 1987-1990
6200 – 1kW – Radio Norte, Madriz – 1972-1975
6200 – 1 kW – Radio Sandino, Managua – 1985-1986
9520 – 0.05kW – Radio Bonanza, Zelaya – 1972-1977
9550 – 1kW – Radio Ecos de las Brumas, Jinotega – 1972-1976
9580 – 0.5kW – Radio Mar, Puerto Cabeza – 1972-1976

9580 – 0.05kW – Radio Bonanza, Zelaya – 1978-1982
9640 – 0.15 – Radio Ondas de Luz, Managua – 1973-1977
9710 – 1kW – Radio Corporación, Managua – 1972
9740 – 1kW – Radio Católica de Nicaragua, Managua – 1974-1975
11875 – 100kW – Radio Difusora Nacional, Managua – 1972-1979
11837 – 100kW – Radio Difusora Nacional, Managua – 1980-1983

(© Stig Hartvig Nielsen)

SHORTWAVE FUTURE

[Ed. Note: It's been no secret that as goes the BBC, so goes to a significant extent global media of which shortwave still is a part. While Mr. Davie never specifically mentions shortwave in this speech, there are clear

implications for it in the direction he perceives the BBC needs to move to maintain its relevance in a multimedia world. It is in this spirit that his words are transcribed here.]

BBC Director-General Tim Davie's Speech to Staff on 26 May 2022

BBC Media Centre
Published: 26 May 2022

Good afternoon, everybody.

Today, in our centenary year, I want to set out a vision of how we keep the **BBC** relevant and offer value to all audiences in an on-demand age.

I will cover three things: the pressing need to build a digital-first **BBC**; how we spend our money now that we have the certainty of public funding for six years; and how we keep reforming the way we work.

Of course, part of this is making difficult cuts following the license fee settlement, but it is

much more than that. It is about ensuring that public service media and the **BBC** thrive, despite immense market changes. It's about how we nurture this precious place and keep building a vibrant, creative **BBC**, admired worldwide.

What we are laying out today is a £500m plan for the next few years. This is made up of two things: £200m a year of cuts which are necessitated by the two-year license fee freeze. This represents the majority of our £285m a year challenge by 2027/28. £50m of this £200m is already baked into our current budgets. The rest is delivered by stopping things and running the organization better

where we can. Then there's a further £300m a year which is about moving money around the organization and delivering additional commercial income. This means that we are not just cutting money everywhere but making choices where to invest.

You won't get all the detail today – and we will be consulting on some proposals – but we are setting out a clear direction of travel that we can incorporate into our plans and budgets. We'll be communicating timings and details within divisions from today and across future weeks and months.

When I took this job, I said that we needed to fight for something important: public service content and services, freely available universally, for the good of all. This fight is intensifying, the stakes are high. The truth itself is under threat. Over 70% of countries do not have a free press. Autocratic regimes are growing. I count myself amazingly lucky to have lived in this age, but we all watch with concern: democracy in decline; war in Europe and beyond; our own journalists expelled and suffering unwarranted abuse just for doing their job.

Now there is good news: together, we have delivered very strong results over the last year despite immense challenges and change. Our audience and revenue numbers are solid, we are rebalancing across the UK as never before, and there has been a huge amount of difficult organizational reform. Our core priorities of impartiality, high-quality content, online, and commercial growth remain undimmed. We kept utterly focused on value to all audiences.

And while the world is creating millions of pieces of content every day, the value of truly outstanding programming such as a BAFTA award-winning drama like "Time", the House of Maxwell documentary, a report

from the frontline in Ukraine, a Prom or that amazing "Strictly" final, is as high as ever.

But, despite this, we have much work to do. In the digital age, continuing what we're doing today isn't going to be enough. When I took this job, I talked about the immense pride I feel in leading this wonderful institution. I feel that more than ever, but I know that we will need to reform to stay relevant.

People sometimes say the **BBC** is too defensive, not open to challenge, doesn't respond fast enough. Every successful organization with 100 years of history faces this challenge, so I plead guilty as charged, to a point. But when I meet people across the BBC, I know that we all see a changing media landscape, and a need to listen, to evolve, and fast.

The market challenge is clear. Though broadcast channels will be essential for years to come, we are moving decisively to a largely on-demand world. Today around 85% of the time people spend with the BBC is with linear broadcasts. Too many of our resources are focused on broadcast and not online. And less than 10% of our usage is signed in, so we can't offer a properly tailored service, unlike all our global competitors. If we do not respond faster to these changes, we will cede too much ground to those who are not driven by public service values.

The vision is simple: from today we are going to move decisively to a digital-first **BBC**. We have a chance to do something that no-one else is doing -- build a digital media organization that makes a significant positive impact, culturally, economically and socially. A global leader driven by the search for truth, impartiality, outstanding creativity, and independence.

What we are setting out today are first steps, reallocating money towards content that works in the on-demand world, making tough choices on traditional distribution, investing more in online services.

For audiences, success is simple: utterly impartial on-demand news and local services; a world-leading iPlayer with top quality British content; a brilliant, compelling Sounds; and a joined-up, personalized, relevant BBC Online.

Now let me give you a flavor of the detail. It's not the complete plan but these are some of the headlines and the direction of travel.

Firstly, putting digital first when we create our content.

Today, iPlayer reaches less than 50% of BBC viewers on average per week. Our ambition is to grow this to 75%. We'll do this by re-allocating significant amounts of money every year into video that delivers on iPlayer, across a broad mix of genres.

We will propose to Ofcom to expand boxsets and archive, to have more **BBC** series available on demand. And we want to ensure that news and current affairs is as important to iPlayer as it is on broadcast, which means new on-demand content and formats to build new audience habits.

In network news, we have already transformed our operation with digital at the heart of new story teams. Next month we will unveil a new look for our flagship news bulletins, with a new studio for the Six and Ten, and new studios for Breakfast and our regional programs to follow. These studios will bring key parts of our digital news offer to linear audiences and vice versa, sharing content across platforms. Every part of our news output will now be judged not just on linear performance but streamed delivery.

Beyond news we'll continue to transform our portrayal of different parts of the UK, fully delivering 'Across The UK' plans, and spending more in the devolved nations and outside London. Our goal is bigger, even more ambitious shows – keeping a very strong sense of locality but also able to work beyond borders.

When it comes to our local and regional offer, which is utterly critical to the **BBC**, we're going to maintain our overall investment in content, and our support for the Local Democracy Reporting Service, despite our funding challenges. But we will reshape our local services to be fit for the digital world – increasing the impact of our journalism online and putting compelling local storytelling at the heart of iPlayer, Sounds and News, with a multimedia **BBC** presence in over 40 towns and cities.

In audio, we will accelerate digital growth, moving more of the 34 million people who listen weekly to linear radio stations to become habitual users of BBC Sounds. We want Sounds to remain one of the top two digital audio services in the UK. To make this happen, we are reorganizing all our network radio commissioning to work better as speech and music portfolios, bringing broadcast and on-demand content together. We will simplify some schedules and cancel some shows where linear and on-demand performance is not delivering.

To make all this happen, we will have to make some difficult choices. Here are some examples.

We have already brought the editorial leadership of the News Channel in the UK and international World News together, so that live and breaking news happens in a single integrated model across digital, streaming and broadcast. Now we propose to

go further and create output around a single TV channel called BBC News. We know there are stories which are key to UK audiences, but less relevant elsewhere, and vice versa – so not everything will be simulcast. However, there will be much more shared output and a fully coordinated approach. And we want to break new ground by creating output that can be simulcast on audio and video services.

At a local level, we think a small number of changes to our regional TV output can help strike a better balance between broadcast and freeing up money to invest online. So, we are proposing to end our dedicated TV bulletins from Oxford and Cambridge – merging these services with South Today and Look East.

In local radio, we're going to focus our work where we get most impact – reducing the volume of some of our broadcast programming at times when fewer listeners tune in. We'll do this carefully – working with our local editors – and we'll safeguard our commitment to live sport and local news bulletins across the day.

We will also enhance our investigative journalism across England. We're proposing that the next series of We are England – this autumn – will be the final one. Instead, we will create a new network of journalists to focus on original storytelling rooted in our communities across England – increasing our investment in local current affairs.

When it comes to network TV, we will reduce the volume of hours we commission a year by around 200. We'll still offer thousands of originated hours and a very broad range, but fewer hours will mean we are not constantly thinning program budgets.

We will focus our money where we are distinctive and more uniquely **BBC**. We will make tough choices about titles which may be performing on linear but are not doing enough to drive viewers to on-demand. A number of them will be cancelled this year. Importantly, higher-impact content will attract more investment from third parties to make our money go further.

And while we will continue to play a vital role in classical music in this country, we must be realistic about the resources we use. We will continue to support the classical music sector, invest in Radio 3 and improve our educational impact. However, we will look to reduce license fee funding in our performing groups – preferably by looking for alternative sources of income where possible.

There are other areas where we can increase commercial returns and drive growth. Over the last year we have successfully moved areas like Children's production into BBC Studios. We have been brilliantly successful transferring departments such as the Natural History Unit, maintaining public service values but driving growth. These moves allow us to retain the best talent and increase value for license fee payers. **Based on the rapid growth of the global podcast and audio market, we will now review our speech production areas to consider a commercial model that can tap into the global market for podcasts, strengthen our output, and ensure we keep the best people at the BBC.**

So, we are making choices around what content we make and how we make it. Beyond that we need to make choices about where we distribute our services.

As we move money into digital, we will inevitably have to spend less on linear distribution. But we will do this with

great care – our big channels will be popular for the next decade, at least, and they are incredibly powerful.

We do plan to stop scheduling separate content for Radio 4 Long Wave, consulting with partners, including the Maritime and Coastguard Agency, ahead of the closure of the Long Wave platform itself. 5Live on Medium Wave will also close no later than December 2027, in line with a proposed industry-wide exit from the platform.

Over time we expect to consolidate and share more content between services and expect to stop broadcasting some of our smaller channels on linear. This will include services like BBC Four, CBBC and Radio 4 Extra. But we won't do this for at least the next three years because for the moment they are still delivering value to millions of viewers and listeners, at low extra cost.

Putting digital first applies just as much to our international news services. The World Service is critical to the BBC, and its growing digital reach means bigger impact with audiences, more brand value for the BBC and the UK, and bigger opportunities for commercial growth. Broadcast services will continue to play a vital role but unfortunately the license fee settlement means that we cannot offer every service on all the platforms we do today. So, we propose to move some of our broadcast radio and television services off linear where digital provides the better future route to audiences. This builds on the model we're already using in Latin America and parts of Europe. Of course, we will protect broadcast services where that's likely to remain the best way of reaching people in the long term.

The Government's commitment to extend its £94m annual funding for the World

Service for a further three years is very welcome. But UK license fee funding for the World Service, which has been around £254m in recent years, is now running at over £290m including World News – a level that is unsustainable following the license fee settlement.

We will set out plans in the coming weeks for how we will initially reduce license fee spending on the World Service by around £30m by the start of 2023/24, while protecting the full breadth of languages.

At the same time, our strategic review will identify the right longer-term model for a digital-first World Service and lay out a strong case for more investment from government over the coming years. This case for a strengthened World Service is compelling but we can only expect UK license fee payers to fund so much.

So we are making changes to content and distribution. Alongside these, we must make sure our digital services like iPlayer or Sport remain world-class.

Around 30m UK adults come to BBC Online on average per week, and 200m globally on digital platforms. We are now up to over 45m UK accounts, with over 25m signed in monthly. But we have much work to do to be a leading-edge player in functionality, user experience and data.

Quite simply, the success of our online services is the success of the **BBC** over the next five years. Each needs to be in the top two or three in their market in the UK, with our online services growing globally too.

We've already begun investing more in product development, with an extra £10m this year. From 2025 we expect to be investing up to an additional £50m per year, transforming our level of personalization

and our use of real time data, and making our services as easy to use as possible.

We will continue to personalize iPlayer to make it much more relevant to every age group and different parts of the UK.

In News, we will fully roll out and continuously improve the new News app as a signed-in experience. We will grow our live news pages and transform the quality, prominence and impact of local news.

In Sounds, we will continue to improve our on-demand music offer. We will showcase some of the best non-BBC podcasts from British creators and host more of our podcasts on Sounds first, before distributing more widely. We want to deliver local and network news better across Sounds and ensure we are securing distribution in connected cars.

There's a lot to take in. You'll be hearing more detail in your divisions over the next few weeks and months.

Finally, as we transform what we do, we must ensure that the way we work is right for a joined-up, digital-first BBC. Make savings where we can, but also make the BBC a better place to work for everyone, living our values, learning from how we worked in the pandemic, continuing to strip away any unnecessary bureaucracy, and reducing how much it costs to run the organization.

We will not simply deploy flat savings targets across every department but act more deliberately. Focusing resources on frontline areas where we can maximize the value we deliver to those that pay for us.

We are looking at a range of actions, as I know that this is an area where talk is cheap, it's all about what we do

We have just laid out our 'Working at the BBC' plan and you have heard a number of proposals around fair pay, flexible benefits, a review of pension provision and improved support for working lives.

We will continue to limit the number of senior leaders. We will expect all our leaders not only to be brilliant editorially or functionally, but also be outstanding at supporting their teams.

Also, we can simplify the way we work to free up people's time. For example, areas such as mandatory training, or recruitment approvals will be simplified.

We intend to remove any remaining duplication in the teams that work across the **BBC** and stop bespoke activity when it's not essential. As part of this, we shall continue to standardize the technology we use to be better and more flexible, like shifting from using radio cars and TV inject points to consumer technology like Zoom.

We will keep looking at our property estate to create better spaces but also reduce spend on rent and utilities. For example, we will complete the exit from Media Village in W12, which really reduces costs, and we will move from the old campus in Bristol to a modern, sustainable location with more flexible space.

All this, including possible moves to commercial, mean that we expect the number of people in UK public service to reduce by about 6% in the next few years, representing around 1000 roles. We will consult fully with our trade unions on these proposals. And we will restructure in a joined-up way across the **BBC** so we can look for opportunities to redeploy people with the right skills and experience where we can.

So that's the plan in headlines. Putting digital first, making very clear calls on funding, and really improving how we do things.

This is our moment to build a digital-first BBC. Something genuinely new, a Reithian organization for the digital age, a positive force for the UK and the world. Independent, impartial, constantly innovating and serving all. A fresh, new, global digital media organization which has never been seen before. Solely driven by the desire to make life and society better for our license fee payers and customers in every corner of the

UK and beyond. They want us to keep the **BBC** relevant and fight for something that in 2022 is more important than ever. To do that we need to evolve faster and embrace the huge shifts in the market around us.

I believe in a public service **BBC** for all, properly funded, relevant for everyone, universally available, and growing in the on-demand age. This plan sets us on that journey.

<https://www.bbc.co.uk/mediacentre/speeches/2022/digital-first-bbc-director-general-tim-davie>

The Robinson Report

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

Shortwave Revival? Some Thoughts About the Recent Debate

It's likely that many of you read two articles in Radio World that I co-authored with Keith Perron. One was mentioned by a fellow NASWA columnist. Both stirred up quite a bit of controversy, which I would like to address here.

Our first article came amid the fundraising effort that raised just over \$21,000 for Radio Miami International re-broadcasts of RFE/RL and VOA programming about Ukraine, and the BBC's announcement of four hours of new transmissions. There followed a lot of hopeful talk about a revival of shortwave.

Now, anyone who knows me understands that there is nothing I would love to see more than a turning back of the clock. What better way to use the more than 100 receivers I have here in the house?

But we all know there is no way such a revival is going to happen, which was the main topic of our first commentary. Though some readers clearly saw it this way, we were not saying that efforts to get information into Russia were of no value.

However, as we stated there will clearly be no return to sustained Cold War levels. Even if new transmissions to Ukraine and Russia were audible at 500 kilowatt levels of yesteryear, they would have to be actually listened to not by 10s or 100s of people but tens of thousands and millions to have true impact.

Responses included predictable renewed discussion of DRM (Digital Radio Mondiale) the technology that has been in the "testing" phase since the late 1990's, two by Ruxandra Obreja, for many years chief spokesperson for the DRM Consortium.

We noted the ongoing elephant in the room, noting that “DRM radios for personal use have been mostly of poor quality and not available in large numbers. The jumble of claims by the DRM consortium and manufacturers have never really been subjected to any aggressive investigation.”

I spent hours online attempting to determine whether any DRM handheld or tabletop radios were easily available in numbers and at an affordable price. They are not. At one point I emailed Kolon Huang, a regional sales manager for Gospell, in connection with a YouTube video he narrated (see <https://www.youtube.com/watch?v=jMACKbkpxyg>)

Would it be possible, I asked, to obtain a GR-220P or latest version for testing? I noted a Gospell statement that a GR-216 and three others (224, 226, 228) “have been on the market for some time and in testing by various users.” What was the current status of production, and would they be available at any point to individual buyers?

I also asked how committed Gospell is to future development of DRM receivers for personal use, as opposed to automobile use? And were there any projections he could provide of future sales of DRM-capable receivers for personal use, with current sales figures for the 220, 224, 226 and 228?

His answers left a lot to be desired. Though the 220P was a “new model...developed last year” it was not available for sale and was “still in engineering stage” and “we are collecting feedback from the [field].” Probably, he added, there would be “some pilot production in Q3/Q4 of 2022.”

Others were “already in mass production” BUT “currently we can [only] support retail and wholesale business.” On DRM for cars,

the response was murky: “The long-term development of DRM [for the] automotive industry occupies a very important part,” said Huang, adding that “we have been continuously trying and discussing some solutions in this regard.”

Compared with automotive DRM products, Huang said, “our personal products will be more diversified. . . we will continue to launch products that are more in line with market demand. In addition, we will also focus more on product prices, so that more users can afford them.”

Finally, he attributed what he called a “relatively quiet period” for DRM receivers to the global COVID-19 epidemic and economic difficulties” adding that [Gospell] still firmly [believes] in DRM for AM and FM and as an ideal choice for current and future radio.”

DRM consortium commentaries are marked by a lot of generalities. Spokesperson Obreja said shortwave “currently used for large-area, regional and international coverage in the developing world, certainly registered a decline in the past two decades [but never died]” and she provided a link to the HFCC site.

Let's be clear: we never said that shortwave is not still being used – but that there would be no revival and certainly no return to sustained levels seen decades ago.

Obreja said that “since its invention in 1998 DRM has been *amply demonstrated* all over the world” and “demonstrations are taking place all the time.” Well sure, but the question is what **final decisions** are then made by broadcasters and governments. Also, our focus was DRM shortwave, not DRM for FM or AM.

Obreja also asserts that while “many broadcasters have reduced their shortwave

transmissions, some have opted to continue DRM on shortwave” adding that “the quality of these broadcasts is exceptional, affording FM-like quality over large areas.”

Well, that's not necessarily the case. Sampling some DRM frequencies using SDRs shows that signal drops continue to be a challenge. One observer notes that some DRM channels actually have no transmissions at all.

The recent announcement by New Zealand that it obtained funding for a replacement DRM-capable shortwave transmitter may appear to some to be proof that DRM has some huge bright future. But how many

people will actually be listening to RNZ on DRM shortwave – other than hobbyists?

Returning to what we called the “jumble of claims” by the DRM consortium and manufacturers – other than the questions raised in our Radio World pieces, none of these have been subjected to any intense scrutiny.

For decades now, DRM has been a story of promise but no delivery, struggling with the signal strength/decoding challenge, while DRM spokesmen and spokeswomen issue endless generalities, and manufacturers talking of units always in development awaiting huge demand that is non-existent.

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 schedule of KNLS The New Life Station only via Anchor Point tx#1:

0800-0900 on 9695 English tx#2, inactive at present

0800-0900 on 11875 Chinese tx#1, on air as scheduled

0900-1000 on 9695 Russian tx#2, inactive at present

0900-1000 on 11875 Chinese tx#1, on air as scheduled

1000-1100 on 9580 English tx#1, ON AIR, ex via tx#2

1000-1100 on 9685 Chinese tx#2, NOT ON AIR, ex tx#1

1100-1200 on 9580 Russian tx#2, inactive at present

1100-1200 on 9730 Chinese tx#1, on air as scheduled

1200-1300 on 7355 English tx#2, inactive at present

1200-1300 on 9795 English tx#1, on air as scheduled

1300-1400 on 7395 Chinese tx#2, inactive at present

1300-1400 on 9740 Chinese tx#1, on air as scheduled

1400-1500 on 7355 Chinese tx#2, NOT ON AIR, ex tx#1

1400-1500 on 9580 English tx#1, ON AIR, ex via tx#2

1500-1600 on 9760 Chinese tx#2, NOT ON AIR, ex tx#1

1500-1600 on 9800 Russian tx#1, ON AIR, ex via tx#2

1600-1800 on 9580 Russian tx#1, ON AIR, ex via tx#2

1600-1800 on 11870 Chinese tx#2, NOT ON AIR, ex tx#1 (DX Mix-Bulgaria)

ANTARCTICA LRA36 resumes on May 7 at 1500-1800 on 13476. Reception reports lra36nacional@gmail.com. (Lucas Willian Bocchi-Brazil May 1 and Adrian Korol "RAE Argentina al Mundo", on Twitter May 3/TopNews) I know station was heard by several Brazilian DX'ers including our own Pedro Castro. (RAD)

ARMENIA 9965 and 12075, TWR India, f/d card received with letter & sked in a month. Email: asiafeedback@twr.org. (Pradip Chandra Kundu-India/Asian DX Review)

AUSTRALIA Fair/good signal of Reach Beyond Australia in Rohingya via Kununurra, May 6: 1128-1143 on 11905 Rohingya Daily (DX Mix-Bulgaria)

9720, Reach Beyond Australia (Kununurra) at 1344 in English, 1345 woman welcoming listeners to "Family Care" program and then talking about hypotension (low blood pressure). Good, May 14. (Harold Sellers-BC/DXplorer)

AUSTRIA Reception of Radio Pravda dlja Rossii (Radio Truth for Russia) in Russian via Moosbrunn, May 17: 1500-1600 on 13600 Russian Tue/Thu/Sat (DX Mix-Bulgaria) DARC on Facebook says this about the station: "Uncensored radio for Russia". New short wave program for Russia, Belarus and Ukraine, under the name "Radio Prawda dlja Rossii" started on 9 April. The targets of the broadcast are serious and uncensored reporting as well as unfiltered news for the Russian population. The program was founded by engineers and journalists in collaboration with radio stations, which in part come from Russia and Ukraine. Email (note spelling): radioprawda@outlook.com. (Thanks to Alan Gale, Alan Pennington, Paul Gager/British DX Club)

Reception of Radio Pravda dlja Rossii in Russian via Moosbrunn, May 15: 1900-2000 on 6070 Russian Sun (DX Mix-Bulgaria)

13600, Radio Prawda dlja Rossii, via Moosbrunn, P/D e-mail verification with some info on the station in 1 day. They say: "We run that radio station completely in our spare time. Therefore, we still have to create a QSL card- but we will do". E-mail address: hf-transmitter@web.de. (Roberto Pavanello-Italy/DX Fanzine)

BANGLADESH 4750, Bangladesh Ext. Service. Beautiful f/d QSL card with letter from Md. Towhidur Rahman, Sr. Engr. Received after 5 months. Email: rrc@dhaka.net. (Pradip Chandra Kundu-India/Asian DX Review) 4750, tentative Bangladesh Betar (Shavar) music began before 1229, male voice at 1230. Very weak, May 14. (Harold Sellers-BC/DXplorer)

BOLIVIA 3310, Radio Mosoj Chaski, Cotapachi, 0107-0118, 17-05, Quechua, comments, Bolivian songs. 25322. (Manuel Mendez-Spain/Hard Core DX)

BRAZIL 4885, Radio Clube do Para, Belem, 0406-0443, 17-05, relaying Radio Bandeirantes news. ID "Bandeirantes". 25322. (Manuel Mendez-Spain/Hard Core DX)

6010, Radio Inconfidencia, Belo Horizonte, 0543-0605, 17-05, Brazilian songs, comments. Very weak. // 15189.9. 15311. (Manuel Mendez-Spain/Hard Core DX)

9550, Radio Boa Vontade, Porto Alegre, 2032-2047, 16-05, Portuguese, religious comments and songs. 15321. (Manuel Mendez-Spain/Hard Core DX)

9818.9, Radio Nove de Julho, Sao Paulo, 0457-0515, 17-05, religious songs and comments, Portuguese. 15321. (Manuel Mendez-Spain/Hard Core DX)

11815, Radio Brasil Centrall, Goiania, 0450-0826, 17-05, Brazilian songs, ID. At 0800: "Radio Brasil Central, Goiania", "Goiania, 5 horas", "Brasil Sertanejo". 35433. (Manuel Mendez-Spain/Hard Core DX)

15189.9, Radio Inconfidencia, Belo Horizonte, 1930-2045, 16-05, Portuguese, comments, Brazilian songs, at 2003. 25322. Also heard 0533-0642, 17-05, Brazilian songs, comments, ID "Inconfidencia", program "Memoria Nacional". 25422. (Manuel Mendez-Spain/Hard Core DX)

BULGARIA KSKO Alaska – weekly relay on SW KSKO from McGrath, Alaska with Paul Walker was heard from 2200-2400 on 18 April on 5900 via Bulgaria. This was a live relay and replaced the regular Overcomer Ministry broadcast at this time. Paul Walker has confirmed that KSKO Alaska will be relayed via Spaceline on 5900 from 2200-2400 each Monday. (Alan Roe-UK)

CANADA 6070, CFRX (Mississauga) at 0550 with ads, David Cooper program, NewsTalk ID. Fair, May 11. (Harold Sellers-BC/DXplorer)

7850, CHU Ottawa Canada Time Signal Station. Report verified with f/d card received by airmail in a month. Email: radio.chu@nrc-cnrc.gc.ca. (Pradip Chandra Kundu-India/Asian DX Review)

CLANDESTINE Radio Axomite: Thanks to a recording sent to me by Wolfgang von Poellnitz in Austria, a target broadcast to Ethiopia has been identified as "Radio Axomite" on 15340 at 1730-1745. Further investigation by Wolfgang and myself indicates that this is produced by Axomite Media: <https://axomitemedias.com> based in Nairobi. Their profile references "Short Wave Frequency: 15340, Metre-band 19, Daily on-air starting (2:30 local time/8:30 pm)" which relates to 1730. Ethiopian white-noise

jamming is heard immediately at 1730 sign-on and continues until 1800, even though the Radio Axomite broadcast ends at 1745. (Tony Rogers 12 April/British DX Club)

Reception of Voice of Oromo Liberation in Afan Oromo via MBR Nauen, May 4/15/20:
1700-1800 on 15420 Afan Oromo Wed
1700-1730 on 15420 Afan Oromo Sun
1700-1730 on 15420 NAU Afan Oromo Fri (DX Mix-Bulgaria)

Reception of Dandal Kura Radio International in Kanuri via MBR Nauen, May 5:
0500-0530 on 11830 Kanuri (DX Mix-Bulgaria)

Dandal Kura Radio International in Kanuri via MBR Issoudun, May 8:
1800-1830 on 11830 Kanuri (DX Mix-Bulgaria)
0500-0530 on 11830 Kanuri (DX Mix-Bulgaria)

Reception of BRB Denge Welat via MBR/SPL Sofia on May 5:
0400-0530 on 7285 Kurdish (DX Mix-Bulgaria) As of 18 April transmissions via Issoudun & Moldova have been canceled. (Bulgarian Blog) NB all broadcasts are usually jammed by TRT with Turkish military music & Erdogan speeches. (British DX Club)

MGB Radio Mazaris Sumay in Tigrinya via Talata Volonondry on May 15:
1730-1800 on 11705 Tigrinya (DX Mix-Bulgaria)

Radio ERISAT in Tigrinya via Talata Volonondry on May 15:
1800-1900 on 11690 Tigrinya (DX Mix-Bulgaria)

Voice of Martyrs Korea to Maldives in English and Dhivehi via unknown tx site, May 22:
1500-1530 on 11620 English/Dhivehi (DX Mix-Bulgaria)

Reach Beyond Australia relay Voice of Martyrs in Korean via Kununurra, May 18: 0930-1000 on 9580 KNX Korean (DX Mix-Bulgaria)

Reception of Voice of Martyrs via RRTM Telecom Tashkent, May 7: 1200-1230 on 15549.9v Korean (DX Mix-Bulgaria)

Very good signal of NEXUS IRRS SW Arraata Biyyoolessa Oromiyaa in Oromo via Galbeni, May 23: 1500-1530 on 15400 Afan Oromo Mon-Wed/Fri/Sat Oromia National Media (DX Mix-Bulgaria)

Reception of Oromia Public Media Raadiyyoni Dirree Shaggar via Issoudun, May 20: 1600-1630 on 15415 Afan Oromo (DX Mix-Bulgaria)

Reception of Dimtse Woyane Tigray in Tigrinya via Issoudun, May 16: 1500-1600 on 17870 Tigrinya 0400-0500 on 11570 Tigrinya (DX Mix-Bulgaria)

Radio Dap Loi Song Nui/Vietnam Democracy Radio via Paochung, May 22: 1230-1258 on 9670 Vietnamese (DX Mix-Bulgaria)

Reception of Radio NUG of Myanmar in Burmese via Paocunhg, May 21: 1400-1430 on 11940 Burmese (DX Mix-Bulgaria)

Reception of National Unity Radio / Radio Free Chosun in Korean via Tamsui, May 19: 1200-1458 on 7200 Korean (DX Mix-Bulgaria)

Radio Free North Korea via RRTM Telecom Tashkent, May 11: 1300-1400 on 11510 Korean (DX Mix-Bulgaria)

Additional morning broadcast of Mizzima Radio via Tamsui: 0300-0400 on 17755 TSH Burmese, from May 10 0400-0430 on 17755 TSH Burmese, from May 26 1130-1300 on 17730 DHA Burmese as scheduled (DX Mix-Bulgaria)

Reception of Nippon no Kaze in Korean via ENC-DMS Tamsui, May 20: 1300-1328 on 9940 Korean (DX Mix-Bulgaria)

Reception of Furusato no Kaze in Japanese via ENC-DMS Tamsui, May 20: 1330-1357 on 9705 Japanese (DX Mix-Bulgaria)

11690, ERISAT – Eritrean Satellite Televisión via Talata Madagascar Transmitter. E-QSL with full data for a report too: info@erisat.orh Reply came in 2 ½ months v/s: Team ERISAT. (Edward Kusalik-AB/DXplorer)

15170, Kashmir Civitas via IRRS Shortwave Milano Italy (Broker). Rec'ed a full data (w/ the name of the station indicated) w/ apologizes for the delay in replying QSL Card Reply in 8 1/2 months E-mail report and reply from info@nexus.org. (Edward Kusalik-AB/DXplorer)

COLOMBIA 6010, La Voz de tu Conciencia, F/D eQSL and pennants in 2 hours. V/s Rafael Rodríguez. Reception report sent to: rafaelcoldx@yahoo.com. (Manuel Méndez-Spain/DX Fanzine)

DENMARK For almost a year World Music Radio has been broadcasting 24hrs/7d on 25800 with 60 Watts from Marslet, south of Aarhus in Jutland. Propagation on the 11 meter band (25670-26100) is improving and 25800 can currently be heard almost daily in Southern Europe and Western + Northern Africa and sometimes also in the Middle East and as far away as Western Australia and the

Americas. If the 10 m amateur band (28 MHz) is open, chances are that 11 mb is also open. WMR also broadcasts 24hrs/7d on 5930 (200W) and 15700 (20W). Hopefully power on 15700 will soon be increased to 200W. Reception reports are welcomed to: World Music Radio, P. O. Box 112, DK-8960 Randers S+, Denmark. Please enclose return postage (five Euro or 1-2 IRC's) if possible. The new 2022 QSL hasn't been printed yet but the design is ready. (Stig Hartvig Nielsen-Denmark, hcdx May 7/TopNews)

ECUADOR 6050, HCJB, Pichincha, 0108-0119, 17-05, Spanish, comments, Ecuadorian songs. 35433. (Manuel Mendez-Spain/Hard Core DX)

ENGLAND HCJB Radio Akhbar Mufriha via ENC-DMS Woofferton, May 15:
2100-2115 on 7300 Tachelhit Daily
2115-2145 on 7300 Arabic Sun (DX Mix-Bulgaria)

Reception of BBC World Service in English via ENC-DMS Woofferton on May 18:
1400-1500 on 15740 English Mon-Fri (DX Mix-Bulgaria)

EGYPT Very good signal of ERU Radio Cairo in English via Abis, May 15:
2115-2245 on 9440 English (DX Mix-Bulgaria)

FRANCE Good signal of NHK World Japan Network Radio Japan in English via Issoudun, May 16:
0430-0500 on 7355 English Mon-Fri and 0500-0530 Sat/Sun (DX Mix-Bulgaria)

9535, Radio Algerienne (Issoudun) at 0556 with Arabic song, woman in Arabic, 0557 male speaker with possibly a message about Islam, 0559 off suddenly. Good, //7295 fair, May 11. (Harold Sellers-BC/DX Mix-Bulgaria)

9620, Radio Algerienne (Issoudun) at 0606 with Islamic singing from a mosque (could

hear building reverb). Very good, May 11. (Harold Sellers-BC/DXplorer)

GERMANY Frequency change of The Mighty KBC Radio via MBR Nauen:
0000-0200 on 9925 English Sun from May 01
0000-0200 on 5960 English Sun from Sept. 4 (DX Mix-Bulgaria)

Very good signal of NHK World Radio Japan in Russian via MBR Nauen on May 5:
0430-0451 on 6165 Russian Mon-Fri/English Sat/Sun (DX Mix-Bulgaria)

Very good signal of BVBroadcasting via MBR Nauen, May 7:
1400-1500 on 15265 English 1st Sat (DX Mix-Bulgaria)

Very good signal of Evangelische Missions Gemeinden via MBR Nauen, May 21:
1030-1100 on 6055 German Sat/Sun (DX Mix-Bulgaria)

Pirate Radio Waves International via Channel 292 Rohrbach Waal, May 21:
0700-0800 on 6070 ROB 010 kW French Sat (DX Mix-Bulgaria)

Reception of PAB Frank and Ernest Discussion via MBR Nauen, May 22:
1430-1445 on 15205 English Sun (DX Mix-Bulgaria)

GREECE ERT's Board of Directors after a request by the Ministry of Defence decided to extend the broadcasts of the Voice of Greece via the shortwave transmitting centre in Avlis until 31 May 2022. According ERT's press release concerning the two-month reprieve: "...the operation of the Avlida Centre will operate with a day shift consisting of two employees for 5 days a week (Monday to Friday)." The situation will be re-evaluated again at the end of this extension. (ERT press release) During April Voice of Greece has been observed intermittently on 9420 weekdays only from

about 1230-1800 (s/on and s/off times vary). (British DX Club)

GUAM Additional broadcasts of KTWR Trans World Radio Asia from July 3:
1500-1545 on 15205 English Sunday DRM mode
1600-1630 on 15390 Various Sunday DRM mode (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in English DRM via Agana, May 21:
1057-1127 on 12000 English Sat (DX Mix-Bulgaria)

Very good signal of KTWR Trans World Radio Asia in Vietnamese via Agana, May 8:
1245-1300 on 11550 Vietnamese Sun (DX Mix-Bulgaria)

Very good signal of KTWR Trans World Radio Asia in English via Agana, May 16:
1245-1300 on 13740 English Sun-Wed (DX Mix-Bulgaria)

New additional daily transmission of KTWR Trans World Radio Asia:
1702-1802 on 13660 Russian effective from May 30 after
1601-1701 on 15200 Ukrainian, effective from April 18 (DX Mix-Bulgaria)

Very good signal of Trans World Radio India in Hindi/English via KTWR Agana, May 9:
1301-1308 on 13740 Hindi/English Mon-Fri (DX Mix-Bulgaria)

Very strong signal of Trans World Radio India in unknown language via KTWR Agana, May 9:
1345-1400 on 15300 Various langs Mon-Fri May 9-13 (DX Mix-Bulgaria)

15200, KTWR, DRM mode f/d card with colourful picture, letter, Christian literature etc. received in 6 weeks for my email reports to: asiafeedback@twr.org. (Babul Gupta-India/Asian DX Review)

INDIA Summer A-22 schedule of All India Radio AIR External Service:

0100-0230 9874.8 DEL Tibetan
0130-0230 13710.0 BGL Indonesian
0145-0315 11559.8 DEL Nepali
0300-0430 9949.8 DEL Baluchi
0315-0415 11559.8 DEL Burmese
0430-0600 9949.8 DEL Dari
0430-0600 11559.8 DEL Pashto
0500-0600 15030.0 BGL Arabic
0800-0830 15030.0 BGL Persian
0900-1030 11559.8 DEL Nepali
1030-1200 13795.0 BGL Chinese
1045-1215 11589.8 DEL Tibetan
1215-1315 15030.0 BGL Swahili
1230-1330 9949.8 DEL Baluchi
1230-1400 11559.8 DEL Pashto
1330-1500 9949.8 DEL Dari
1330-1500 15030.0 BGL Dari
1615-1730 9620.0 BGL Persian
1730-1930 9620.0 BGL Arabic
1930-2030 9620.0 BGL French DRM mode
2345-0115 13795.0 BGL Chinese
BGL=Bengaluru 1x500 kW: 9620.0 - 13710.0 - 13795.0 - 15030.0 all even or some plus 2 to 4 Hertz on upper side-band, wb. DEL=New Delhi Kingsway 2x100 kW: 9874.8 - 9949.8 - 11559.8 - 11589.8 (via DX MIX-BUL, via Walter Eibl-Germany, DXM of wwdxc May 15)
Interesting: no English at all ... although some erratic monitoring of those broadcasts. (Walter Eibl-Germany/Worldwide DX Club)

INDONESIA 3325, May 1, 1010 Voice of Indonesia via Palangkaraya, heard again after being silent for several days. Too early for good reception, but at 1010, clearly heard the national song "Bagimu Negeri"; 1015, "Today in History" in English, but unreadable. Signal improving and should have decent reception later. (Ron Howard-CA/Shortwave Bulletin) 3325, RRI/Voice of Indonesia (Palangkaraya) at 1205 in Japanese, woman possibly with news. Poor, May 14. (Harold Sellers-BC/DXplorer) 3325, VOI via Palangkaraya, at 1301 May 21, news during the English segment; 1309, the usual

patriotic song, followed by Indonesian news; "Today In History"; 1318, the usual COVID multi-language PSA; today was fairly readable. VOI has clearly fixed their former long standing problem here of low to no modulation. (Ron Howard-CA/TopNews)

4749.95, VOI via Cimanggis/Jakarta, with a nice day of reception; mixing with CNR1 and before 1300 May 21, was also hearing a decent signal from Bangladesh Betar on 4750.0 (1256, subcontinent music, English closing ID, test tone); not too often I get to hear this VOI frequency. (Ron Howard-CA/TopNews)

JAPAN Very good signal of NHK World Radio Japan in Russian via Yamata, May 19: 0530-0551 on 11790 Russian Mon-Fri (DX Mix-Bulgaria)

Very good signal of NHK World Radio Japan in Russian via Yamata, May 23: 1025-1030 on 7355 NHK World Radio Japan Interval Signal & then 1030-1051 on 7355 Russian Mon-Fri (DX Mix-Bulgaria)

KOREA (North) Good signal of KCBS Pyongyang in Korean via Kanggye, May 7: from 0859 on 6099.9v Korean (DX Mix-Bulgaria)

Very good signal of Pyongyang BS in Korean via Kanggye, May 7: from 0959 on 6160 Korean (DX Mix-Bulgaria)

9435, Voice of Korea (Kujang) at 1506, choir singing, 1508 male with news in English. Very good, May 14. (Harold Sellers-BC/DXplorer)

11865, Voice of Korea (Kujang) at 0702 with sign on in Japanese. Fair, //9650 fair, May 11. (Harold Sellers-BC/DXplorer)

13760, Voice of Korea (Kujang) at 0650 in French with song, 0654 ID and

announcements, then heard schedule being read in English beginning in background of French and ending after the French announcements had concluded, 0657 off. Excellent, May 11. (Harold Sellers-BC/DXplorer)

KOREA (South) Good signal of KBS World Radio in English via Kimjae on May 13: 1245-1255 on 15575 10 minutes open carrier/dead air and then 1255-1300 on 15575 KBS World Radio IS/ID in English & Korean 1300-1400 on 15575 English (DX Mix-Bulgaria)

5000, HLA Time Signal Station Daejeon. Rec'd a full data QSL Card showing the studio building and the Vertical Transmitting Tower; for a follow-up to the correct postal address. The name for reports is too: KRIS - Korea Research Institute of Standards and Science 267 Gajeong-ro Tuseong-gu, Daejeon 305-340 Republic of Korea. Heard via SDR site in Northern Japan. (Edward Kusalik-AB/DXplorer)

MADAGASCAR Updated schedule of WCB KNLS Madagascar World Voice via Mahajanga: 1800-1900 on 9885 Russian tx#2 KNLS New Life Station 1800-1900 on 13670 English tx#3 African Pathways Radio 1900-2000 on 9845 Russian tx#2 KNLS New Life Station 1900-2000 on 13670 Arabic tx#3 Radio Feda 2000-2100 on 13710 Arabic tx#2 Radio Feda 2000-2100 on 11965 English tx#3 African Pathways Radio 2100-2200 on 11610 Chinese tx#2 The Light of Life 2100-2200 on 9765 Portug. tx#3 Palavra Alegre 2200-2300 on 9765 Portug. tx#3 Palavra Alegre 2200-2300 on 11610 Arabic tx#2 Radio Feda 0200-0300 on 6180 Spanish tx#2 La Voz Alegre

0200-0300 on 11880 English tx#3 KNLS New Life Station

0300-0400 on 6180 Spanish tx#2 La Voz Alegre

0300-0400 on 13760 English tx#3 KNLS New Life Station

0400-0500 on 11825 English tx#2 African Pathways Radio

0400-0500 on 17530 Chinese tx#3 The Light of Life (DX Mix-Bulgaria)

MALAYSIA 11665, Wai FM via Kajang. What has happened here? For a long time this was heard with poor to very poor reception, along with poor audio, while Sarawak FM (9835) was well heard with good audio. Then on March 12, I first noted both frequencies were off the air for a while; later Wai FM returned to the air, while Sarawak FM remained off (still silent through May 2). Wai FM has recently been heard very well and with good audio so I have to wonder if Wai FM is now via the former Sarawak FM xmtr, which would explain the improved reception? Wai FM on 2/5, from 1203+ with non-stop background indigenous mx. (Howard-CA/Australian DX News).

MOLDOVA (Transdnistria) On 26 April at 0340 and 0405 two massive explosions toppled aerial masts at the high-power transmitter site at Mayak, Grigoriopol district in the pro-Russian separatist enclave of Transnistria (Pridnestrovye), which is close to the border with Ukraine. Russia has described the attacks, which also damaged government buildings and other facilities in Transnistria, as terrorism. Radio Rossii on 999 (1000 kW) & Vesti FM on 1413 (500 kW) were off the air for several hours but were reactivated later in the day, 621 and 1548 also remain on the air. Press reports showed the collapse of two large masts, which are thought to be redundant SW masts. The only shortwave broadcasts from there recently were from the Kurdish station Denge Welat but its relays from Grigoriopol stopped on 18

April and it is now hiring shortwave airtime from Spaceline, Bulgaria. (British DX Club)

11540, Radyo Denge Welat via Grigoriopol, Email report verified with f/d eQSL in 2 days. Email: prtc@idknet.com. (Pradip Chandra Kundu-India/Asian DX Review) Shortwave transmitters reported to be out of service due to Russian attack in April. (RAD)

NETHERLANDS After a long bout of Covid the operator of Radio Delta International resumed broadcasts on 23/24 April on 6020 transmitting on both the Saturday evening and Sunday morning. (British DX Club)

NEW ZEALAND New additional shortwave transmitter for Radio New Zealand Pacific! Some feedback from Radio New Zealand Pacific Technical Manager - Adrian Sainsbury: "We are absolutely delighted with the surprise news of funding for new transmitter after repeated requests over many years. Radio New Zealand Pacific is a lone voice on HF among a myriad of China Radio transmissions! It will improve the analogue transmissions so it can be maintained 24/7. Currently when in DRM mode there is no AM service. It will be possible to run simultaneous on DRM and on AM frequencies!" (DX Mix-Bulgaria) Buried in the NZ Government's annual government announcement today is a grant for a new transmitter for RNZ Pacific! (Bryan Clark-New Zealand, wwdxc BC-DX TopNews May 19) Good news for SW listeners around the world. (David Ricquish, dxdialog.groups.io May 19) RNZ Chief Executive and Editor-in-Chief Paul Thompson has welcomed the budget investment in RNZ Pacific shortwave transmitters. In Budget 2022 the Government announced \$4.4 million dollars capital funding for a new transmitter for RNZ Pacific. Since the ABC ceased its shortwave broadcasting the only other shortwave broadcaster in the region is Radio China. Thompson says RNZ can now start work on its infrastructure development with a new

transmitter likely to take approximately 12 months to get in place depending subject to further project planning. (Alan Pennington-UK, BrDXC-UK iogroup.May 19)

Reception of BBC WS in English via Radio New Zealand Pacific Rangitaiki, May 13: 0400-0430 on 15720 English (DX Mix-Bulgaria)

Reception of ABC Radio Australia Wantok in Bislama via RNZI Rangitaiki, May 13: from 0800 on 9700 English (DX Mix-Bulgaria)

NIGERIA 7254.9, Voice of Nigeria, Abuja Lugbe, 0610-0624, 17-05, Vernacular, comments. 25322. (Manuel Mendez-Spain/Hard Core DX)

NORFOLK ISLAND A new licensed broadcast station "Radio DX" tested on 5045 with around 200 Watts during April, and was heard by DXers in NZ, Australia and West Coast USA. The station has a licence authorising up to 1kW from Australia's ACMA. It has been set up by Nick Hacko VK9DX who moved to Norfolk Island last October. On 29 April he said that the tests have ended for now but that he hopes to resume in September with higher power, subject to new equipment arriving - delivery is quite a challenge on this remote island. Another frequency has been requested to avoid co-channel interference on 5045. Norfolk Island administered by Australia but is regarded as a separate radio country by the EDXC. (British DX Club) NASWA's Country List Committee has also ruled this as a separate radio country provided not heard via SDR. Next planned transmission is September provided necessary equipment arrives. (RAD)

5045, Heard what could be from Norfolk Island 0630, 28/4., 5045 mentioned twice but no positive ID as S9 noise there after hearing the Brisbane station briefly same freq, so tentative only with 300 watts from Nick Hacko former member. (Wright-

Australia) Very, very weak and noisy signal here on Sydney's northern beaches (approx. 1600 km away) from t/in 0649 on 28/4 with song, then three IDs repeated "You are tuned to Radio DX transmitting from Norfolk Island on 5-point 045 megahertz". Much better signal on the NZRDXL SDR at Mangawhai which was quite listenable level. Improving in Sydney towards 0700. Apparently 300 watts. (Francis-Australia) A highlight this month was hearing the first transmissions from Radio DX on Norfolk Island, running a few hundred watts on 5045. After a couple of appearances, the station appears to have paused for the moment but may be back soon. (Francis-Australia/Australian DX News)

NORTHERN MARIANAS ISLANDS 9355, Radio Free Asia (Saipan) before 1430 on suddenly with music, then English ID "This is Radio Free Asia, the following program is in Khmer.", man with what sounded like program preview. Fair, May 14. (Harold Sellers-BC/DXplorer)

11985, Radio Free Asia (Saipan) at 1500 signing-on with "This is Radio Free Asia. The following program is in Korean.", man in Korean followed. Good, May 14. (Harold Sellers-BC/DXplorer)

PALAU Updated schedule of T8WH Angel 4 and T8WH Angel 5 via Medorn:

T8WH Angel 4

0830-1005 on 15680 English Hope Radio Sat
0105-0305 on 15680 English Hope Radio Sun
0800-0920 on 15680 English Hope Radio Sun
T8WH Angel 5

0800-0835 on 9965 English Hope Radio Mon
0800-0850 on 9965 English Hope Radio Tue-Fri

0830-1005 on 9965 English Hope Radio Sat
0800-1250 on 9965 English Hope Radio Sun
(DX Mix-Bulgaria)

PERU 4752, May 13, 2259, R. Huanta 2000, Peru, Huanta; pop music, male talks, female,

ads. Poor, unreadable, deteriorating. (Lúcio Bobrowiec-Brazil/Shortwave Bulletin).

4775, Radio Tarma, Tarma, 0100-0123, 17-05, ID "Transmite Radio Tarma", comments, program "Recordando la Constitucion Peruana", today about the about the system of government in Peru. Clear signal. 35433. (Manuel Mendez-Spain/Hard Core DX)

4810, May 10, 0937, R. Logos, San Martin; long local music selections, at 0949 short male ID "Radio Logos... estación sen fronteras...", return of music. Fair, deteriorating over the listening. On May 12 at 0940 sign on with local music selections, at 0947 Spanish announcements, fair to good, partially readable; morning signal strong enough to block Stanag, deteriorating over the listening. It's not every morning they sign on too early like on May 12. On May 13 0940 fair to good, deteriorating over the listening (Lúcio Bobrowiec-Brazil/Shortwave Bulletin).

PHILIPPINES FEBC Radio Radio Teos via Bocaue, May 22:
1500-1530 on 9920 Russian Sunday
1530-1545 on 9920 Ukrainian Sunday
1545-1600 on 9920 Russian Sunday. Wrong time/frequency announcement: 1900-2000MST on 11650 instead
18-19MST on 9920. (DX Mix-Bulgaria)

Vatican Radio Mass in Chinese via USAGM Tinang, May 14:
1230-1310 on 6085 Chinese Mass Sat
1230-1310 on 7490 Chinese Mass Sat
1230-1310 on 9720 Chinese Mass Sat (DX Mix-Bulgaria)

Vatican Radio in Russian via USAGM Tinang, May 20:
1230-1250 on 9810 Russian
1230-1250 on 11805 Russian (DX Mix-Bulgaria)

17820/15640, Radyo Pilipinas Worldwide E-QLS in 1day for a report to: dzrp.radyopilipinas@gmail.com. (Kazuaki Oikawa-Japan/Japan Shortwave Club)

ROMANIA Re: RadioCom Tiganesti TX#1, missing transmitter function since April 1, 2021. Is the 2nd attempt, after a wrong spare part order with a wrong component to repair. (wb df5sx May 10) About the reactivation of the Tiganesti TX#1: A conversation with RADIOCOM revealed that they were awaiting the delivery of a capacitor from China. Earliest delivery date would be June. (Alexander Busneag-Germany via wwdxc BC-DX TopNews May 10)

NEXUS IRRS SW EGR "Living The Bible" via RADIOCOM Saftica, May 22:
0930-1000 on 9510 English Sun (DX Mix-Bulgaria)

SINGAPORE Additional frequency of BBC World Sce via ENC-DMS Kranji:
1000-1100 on 11855 English, from June 1 (DX Mix-Bulgaria)

11685, BBC World Service (Kanji) at 1336 with discussion about inflation. Good, May 14. (Harold Sellers-BC/DXplorer)

SPAIN Frequency change of Radio Exterior de España from unregistered 11685 to registered 11670:
1400-2200 on 11670 NOB Sat/Sun and 1500-2300 Mon-Fri Spanish and other languages (DX Mix-Bulgaria)

SRI LANKA Sri Lanka Broadcasting Corporation SLBC in Sinhala via Trincomalee, May 6:
1630-1830 on 11750 Sinhala City FM (DX Mix-Bulgaria)

TAIWAN Very good of Radio Taiwan International in Japanese via Paochung, May 2:

1100-1200 on 9740 Japanese (DX Mix-Bulgaria)

Frequency and transmitter changes of Chinese "Lifestyle Discourse" via ENC-DMS from May 21:

1130-1200 NF 11925 TSH Chinese Wed/Sat Evangelical broadcast, ex 21500,15vDHA (DX Mix-Bulgaria)

TAJIKISTAN 15515, Adventist World Radio (Dushanbe) at 1418 in English, man preaching from Revelation. Very poor, May 14. (Harold Sellers-BC/DXplorer)

THAILAND Broadcast Schedule for Radio Thailand:

0000-0030 on 15590 English

0030-0100 on 15590 Thai

0200-0230 on 15590 English

0500-0530 on 17640 English

1000-1030 on 17850 Thai

1200-1230 on 9390 English

1230-1245 on 9390 Vietnamese

1245-1300 on 9390 Mandarin

1300-1315 on 9390 Japanese

1315-1330 on 9390 Malaysian

1330-1415 on 9390 Thai

1800-1830 on 9920 Thai

1830-1930 on 9920 English

1930-1945 on 9920 Thai (Station Direct)

UNITED ARAB EMIRATES New Chinese broadcast Lifestyle Discourse via ENC-DMS Al-Dhabbayya:

1130-1200 on 21500 DHA Chinese Wed/Sat evangelical px from April 16. 1100-1200 on 11925 TSH 300 kW / 285 deg to EaAs English Daily in HFCC - inactive at present! (DX Mix-Bulgaria)

USA Reception of VOA "Flashpoint Ukraine" in English via WRMI-09 Okeechobee, May 10: 1930-2000 on 15770 English Mon-Fri (DX Mix-Bulgaria)

Frequency changes of USAGM Voice of America in various languages/Variou locations:

0300-0400 NF 15130 KWT Tibetan, ex 15140

0400-0500 NF 15185 UDO Tibetan, ex 15150

1030-1100 NF 17710 DHA Somali, ex 11760

1200-1250 NF 17580 BIB Kurdish Sun-Thu, ex 17850

1700-1800 NF 7525 BIB Kurdish, ex 7435

1700-1800 NF 11905 BIB Kurdish, ex 11760

2130-2200 NF 9555 BOT Bambara Mon-Fri, ex

7355 (Worldwide DX Club)

UZBEKISTAN Reception of Bible Vice Broadcasting in English via RRTM Telecom Tashkent, May 4:

1300-1330 on 11590 English Mon-Wed (DX Mix-Bulgaria)

VANUATU Radio Vanuatu via Port Vila, May 4:

from 0700 on 3945 PVL 2.5 kW Bislama

from 0700 on 7890 PVL 2.5 kW Bislama

from 0700 on 11835 PVL 2.5 kW Bislama (DX Mix-Bulgaria)

11835, Radio Vanuatu (Port Vila) at 0621 in Bislama, song, male announcer with something with many numbers, 0627 back to island music. Fair, //7890 very poor, 3945 nothing, May 11. (Harold Sellers-BC/DXplorer) Island singing 1019, deep fade cycle, but fair on 2/5. (Seager-Australia/Australian DX News)

VATICAN Vatican Radio in English via Santa Maria di Galeria, May 20:

1130-1200 on 15595 Holy Mass Fri

1130-1200 on 17790 Holy Mass Fri. Wrong frequency announcement: 15595 in 19mb and 17590 in 16mb, instead of 17790! (DX Mix-Bulgaria)

VIETNAM 9840, Voice of Vietnam (Hanoi-Sontay) at 1330 s/on in English with welcome and program lineup, 1331 news. Fair, //12120 fair with ute QRM, May 14. (Harold Sellers-BC/DXplorer)

ZAMBIA 5915, Zambia NBC, Radio 1, Lusaka, 2023-2038, 16-05, Vernacular comments, African songs. 25322. Also heard 0410-0418, 17-05, Vernacular comments. 15321.

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

Pirate Radio Report

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

Welcome everyone to the June 2022 edition of the Pirate Radio Report.



We begin this month's column with a news story submitted by NASWA President Rich D'Angelo which appeared in Radio World. While FCC enforcement activity in the HF spectrum has been relatively quiet lately, this has not been the case on the AM & FM bands.

BY RW STAFF PUBLISHED: MAY 9, 2022

Agents traced signals in Pennsylvania, Maryland and Oregon

The Federal Communications Commission has sent notices to several property owners of alleged pirate radio activities on their properties.

The letters from the Enforcement Bureau are headlined "Notice of Illegal Pirate Radio Broadcasting." They remind the owners that

federal law now provides for fines of up to \$2 million "if we determine that you have continued to permit any individual or entity to engage in pirate radio broadcasting from the property that you own or manage." The bureau said its agents used direction finding techniques to source these FM signals. It mailed letters to Richard Manson for broadcasts on 103.5 MHz in Philadelphia in January; to Maria V. Hernandez of Kissimmee, Fla., for signals on 87.9 MHz in Hazleton, Pa., in January; to Edwin and Joyce Pitt of Baltimore, Md., for signals on 91.3 in February; and to Kent and Deanna Coppinger for signals on 100.5 MHz in La Grande, Ore., in March. The letters provide recipients 10 business days to show that they are "no longer permitting pirate radio broadcasting to occur at the property." The commission also asked that the owners identify the individual(s) engaged in pirate radio broadcasting on the property.

Pirate activity on the HF bands has been as active as ever. *ION Radio* broadcast their 5th Anniversary show featuring their special blend of eclectic music. *Foxy AM* was back on the air testing out a new transmitter. DJ Dickweed of *Radio Free Whatever* entertained us with selections of new indie & alternative Pop/Rock tunes. *Captain Morgan Shortwave*, *Wolverine Radio*, *Ballsmacker Radio*, *Outhouse Radio* and a host of others were all

active as well. Reynard from *The Fox* broadcast a show of radio advertisement parodies as none other than *Commercial Radio*. Very entertaining indeed.

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! Now go enjoy the "funny bands"!

4185-USB, PIRATE-NA. **RADIO FREE WHATEVER.** 0151, 05-02-22, DJDW announcing songs and talking between selections. Fair. (Taylor-WI)

6269.97-AM, PIRATE-EUROPE. **PANDA RADIO.** 1812-1830, 05-01-22, ongoing pop, country, rock etc. w/some seconds of dead air among each track, man brief talk over a song at times (mostly unclear), continuing w/songs. Fair (Serra-Italy)

6278.96-AM, PIRATE-EUROPE. **RADIO JOHNNY TOBACCO.** 2314-2329, 05-07-22, playing old romantic pop, country etc songs, w/ man dj talk after one or two tracks, ID at times, suddenly pulled the plug many seconds past 2329, fair/almost good w/ strong audio (Serra-Italy)

6875-USB, PIRATE-NA. **RADIO 48.** 2301-0200, 05-07/08-22, This was a show of new wave music. The signal was excellent with good wide band audio. (Majewski-CT) 0025, 05-08-22, Good. (Montney-MI) 0001, 05-08-22, Fair. (Taylor-Lake Farm Park, WI.)

6915-USB, PIRATE-NA. **WOLVERINE RADIO.** 0021, 05-08-22, Good.. Mx program appears to be going w/ *Ride or Rider* in song title. (Montney-MI) 0030, 05-08-22, Fair. (Taylor-WI), 0001- 0107, 05-08-22, A nice show of

songs with the theme of Ride, Like a ticket to ride. Good/excellent signal. (Majewski-CT)

6920-AM, PIRATE-NA. **WDOG.** 0103, 05-15-22, good. Kate Bush music w/"The Man with the Child in His Eye", Dog barking next / ID (?). mx from Queen w/ "We Are the Champions", Signal disappears @ 02:00. (Montney-MI)

6925-AM, PIRATE-NA. **YEAH MAN RADIO.** 0037, 05-01-22, only pirate trace into TN SDR is here, music and DJ talk, S5/S7 vs high storm noise level = HSNL, and not even a carrier direct. These say it's Yeah Man Radio, none later than 0048, but TN remote still had algo VP at 0157: <https://www.hfunderground.com/board/index.php/topic,96573.0.html> (Hauser-OK)

6925-AM, PIRATE-NA. **TRUTH RADIO INTERNATIONAL.** 0000 - 0037, 05-07-22, Computer-generated music from an old Amiga Generated Radio show-1994. S5. (Penney-MA)

6925-USB, PIRATE-NA. **EI WINKO.** 2303 - 2321, 05-11-22, A show of classic (seventies) rock like Love. Good Signal. (Majewski-CT)

6925-USB, PIRATE-NA. **WHIZ.** 0056-0120, 05-13-22, Show of soft rock/folk music. Male voice ID. Poor/Fair Signal. (Majewski-CT)

6925-AM, PIRATE-NA. **FOXY AM.** 0012 - 0037, 05-18-22. CW message: "Foxy AM beginning transmission". OM w/chat & shout-outs to HFU posters. Good signal & nice audio. S6-S8 (Penney-MA)

6925-USB, PIRATE-NA. **WTF RADIO.** 0119-0154, 05-19-22, Series of contemporary songs with ID after each song, ID and reception report request to ballsmacker@protonmail.com with WTFWW in the subject line, Fair. (Taylor-WI)

6925-USB, PIRATE-NA. **WANK RADIO**, 0025-0117, 05-23-22, Mighty 690(XETRA) rebroadcast. Interesting step back in time to 80s west coast AM station. Good music, but short tunes, and many advertisements typical of the time. Fair/Poor. (Majewski-CT)

6930-USB, PIRATE-NA. **WASTELAND RADIO**. 0101, 05-15-22, S9+10 pirate with electric guitar; 0103 retune, DJ has spoken a bit and SSTV, 0104 music, ``Let`s Speak English, But Not My Salad[?]``, more electric guitar. 0127 SSTV is ending? then some more, 0128 music. 0148 SSTV? beepery sounds likelooping past 0150 when DJ grunts, ``I Wanna Be a DJ`` song still playing until 0200 when there are some more noises unseeming SSTV, These say Wasteland Radio, did stop at 0200*, with noisy SSTV images <https://www.hfunderground.com/board/index.php/topic,97163.0.html>. (Hauser-OK)

6930-USB, PIRATE-NA. **OUTHOUSE RADIO**. 2344, 05-21-22, 2 SSTV, "Getting' old" - Pink Skies, another mellow song, ID, "Getting old and grey" - Howl'n Wolf, ID into another blues. Didn't catch if it was someone's birthday or if Outhouse was just feeling old. Fair. (Taylor-WI)

6931.33-AM, PIRATE-NA. **CAPTAIN MORGAN SHORTWAVE**. 0137, 05-22-22, Blues, 0147 "Twilight zone" theme, ID into more blues. Poor (Taylor-WI) 6931.32 AM, 0210, 05-22-22, fair. (Montney-MI)

6950 -USB, PIRATE-NA. **ROCK RADIO SHORTWAVE**. 2306- 2318, 05-15-22, Soft rock music show with lots of static. Bad conditions and poor/fair signal (Majewski-CT) 2344, 05-15-22, poor. (Montney-MI)

6950-USB, PIRATE-NA. **WOLVERINE RADIO**. 0013, 05-22-22. Program of "Life" themed songs w/ ID every 3rd song. Good. (Taylor-WI)

6950.18-AM, PIRATE-NA. **CAPTAIN MORGAN SHORTWAVE**. 2336, 05-14-22, fair. On-going mx: The Fabulous Thunderbirds w/"Running the Blues", ID next by OM and YL w/"This is Captain Morgan SW". Signal gone 23:37. (Montney-MI)

6955-USB, PIRATE-NA. RADIO FREE WHATEVER. 2146, 05-08-22, good. mx from: 21:58 Soviet Union National Anthem, 21:59 ID and intro from DJ Dickweed and his mx theme of indie Rock & Pop. (Montney-MI) 2159, 05-08-22, still going strong at 0050. Good (Taylor-WI) 2232-0106, 05-08/09-22, Nice show, which was a New Music Marathon. DJ Dickweed did a shout out to the posters of the HF Underground. Fair/Good signal. (Majewski-CT)

6955-AM, PIRATE-NA. **ION RADIO**. 2043-2130, 05-22-22, Thanks for being on the air for 5 years. Played Blue tunes and other good music like a Finnish Folk Group that covers rock tunes. Also stories about Russia by Ronald Regan. Fair/Good signal. (Majewski-CT)

6960-USB, PIRATE-NA. **LUCKY13/OUTHOUSE RADIO**. 0148, 05-09-22, "August 10" (live) - Khuangbin, other mellow music, 2-SSTV (neither decoded) - per HFU "Lucky 13" which is an Outhouse production. Poor-fair. (Taylor-WI)

6960-AM, PIRATE-NA. **BALLSMACKER RADIO**. 0058, 05-21-22, "Band on the run" - Wings, "Runaway" - Gary Lewis and the Playboys, "Runnin' down a dream" - Jacob Johnson, "Take the money and run" - Steve Miller Band.ID, "Run through the jungle" - CCR, into a program of "Run" themed songs (Taylor-WI), 0103, 05-21-22, good. (Montney-MI), 0103-0200, 05-21-22. (Majewski-CT)

9240-AM, PIRATE-EUROPE.**RADIO PARADE INTERNATIONAL**. 2257 - 2311, 05-06-22,

Music selections from Strawberry Cheesecake, Oscar Again, Taffy & others. OM w/ID. Copious amount of static from storms. S4. (Penney-MA)

9500-USB, PIRATE-NA. **KMART RADIO**. 2337-2342, 05-18-22, A short show for me of nice mellow instrumental music. Fair/Good signal (Majewski-CT)

9500-USB, PIRATE-NA. **CHIL**. 0004, 05-21-22, Rock music, 3 SSTV, rapid CW, Weak, although audible. (Taylor-WI) 2357- 0100, 05-20/21-22, (Majewski-CT)

9914-USB, PIRATE-NA. **SYCKO RADIO**. 0005 - 0105, 05-01-22, Eighties music hits from Dexys Midnight Runners, J. Geils Band, Gary Numan, Yes & others. Sycko behind the mic with his brand of madness!, Sycko singing along. S5. (Penney-MA)

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

AUSTRIA: Obrecht Shortwave Radio 11735 full data email QSL received in 11 hours for a report to: c.obrecht @ swissonline.ch (Gabrielli-IT).

DENMARK: Radio 208 5970 email QSL received in 55 days for a report sent to ail@radio 208.dk (Gabrielli-IT).

GERMANY: Radio Marabu 6310 card and station sticker received in 2 weeks for an email report (Bares-MA).

Radio Elektra 6070 via Channel 292 email QSL received in 7 days for a report sent to mp3: radioelektra @ protonmail.com. (Gabrielli-IT).

Radio Europa 246150 email QSL received in one hour for an mp3 report to:radio paque24@gm.de. (Gabrielli-IT).

Radio Northern Europe International 3985 QSL was received in 335 days for a report sent in mp3 to:qsl@mel.org. (Gabrielli-IT).

Pop Shop Radio 3955 via Channel 292 I received an email from the station where the

operator communicated that he would send a QSL with station stickers by regular mail I received a Canadian flag, stickers of the radio station in 22 days in an mp3 format. report was sent to radiopopshop@gmail.com. (Gabrielli-IT).

Radio 37 6070 via Channel 292 email QSL received in one day for a report sent by mp3 to: studio @ radio37.dk (Gabrielli-IT).

NETHERLANDS: Mike Radio 5810 no data email QSL received in 21 days for a report sent to mikeradio@live.nl (Gabrielli-IT).

Radio Delta 6020 email QSL received in one hour for a report sent in mp3 to: radiodelta @icloud.com. (Gabrielli-IT).

PIRATE: Radio Waves International 6928 USB This was a relay bySAIPAN: Mix Radio International This station replied to an electronic report to rwaves@free.fr with the following reply in one day, "Thanks for your report we will reply to you as soon as possible. v/s Peter Hills. You can visit us at <http://www.wrwi.fr>. 1983-2019 36 years on the airwaves with special programs during the month of November. This is our 29th year of broadcasting country music on 6070 kHz

or on 7440 kHz via Channel 292. Station address: BP 130, 92504 Rueil Cedex, France (D'AngeloPA).

Radio Diana International 6925 This station verified my electronic report to radio.diana.international@protonmail.com with a full data "Princess Diana" PDF verification indicating that what I heard was a special relay of Capital Radio Nite Sky 96 from 1986 from DJ Brian FU. He mentioned in his email cover "Greetings from the M.V. Peskie. Radio Diana International is a small station that we do from time to time off the boat M.V. Peskie. We are a new station. The fading you mentioned when you heard us was due to the boat rocking and the antenna mast being screwed up. You did hear us. We were playing music from the stations archive and relayed an old Capital Radio NiteSky 96 program from Ireland from way back in 1985. I'm very glad you heard us due to the atmospheric conditions and the antenna system, (D'Angelo-PA).

Free Radio Skybird 6070 via Channel 292 email QSL received in 37 days for a report sent to: singinggrove@conknet.com. (Gabrielli-IT).

SAIPAN: Radio Free Asia 9800 fld"24 Years of Broadcasting" cd. In 1 month (Cichorek-NJ). Thanks for the Radio Free Asia schedule. Sam

SOUTH KOREA: KBS World Radio 11810 QSL was received in 180 days for a report to: english@kbs.co.kr. (Gabrielli-IY).



TAJIKISTAN: Indian DX Club International 6155 via Adventist World Radio at Dushanbe email QSL received in 28 days for a report sent in mp3 to: idxc.international@gmail.com. (Gabrielli-IT)

UNOFFICIAL FREE RADIO: Radio Casanova 6130 email QSL received in one day for a report sent in mp3 to: radiocasanova2hotmail.com. (Gabrielli-IT). Notes: A big thank you goes out to W1-7897 Bill Smith in Douglas, MA for a blue and white WWV station sticker. It sure is a beauty Thank you very much, Sam.

I must say that 2 years absence from doing a QSL Column is a very long time I've been doing this column for way over 40 years and, all of a sudden, the QSLs just stopped. I don't know how or the why of it but it happened. And then when I got a QSL or two my trusty typewriter went kaputskie. I guess it happens but why me? Please write me if you have any ideas, Sam.

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!




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
Mark TAYLOR , Madison, WI		P
Rich D'ANGELO , Wyomissing, PA		L, Q
Vince HENLEY , Anacortes, WA		L
Eric BUENEMAN , Hazelwood, MO		L
Gianni SERRA , Roma, Italy		P
Glenn HAUSER , Enid OK		L, P
Gayle VAN HORN , Brasstown, NC		LN
Bill MONTNEY , Monroe, MI		P
Alan ROE , Teddington, U.K		LN
Anker PETERSEN , Skovlunde, Denmark		LN
Rick BARTON , Sun City, AZ		L
Dario GABRIELLE , Italy		Q
Ed CICHOREK , Somerset, NJ		Q
Greg BARES , Oxford, MA		Q

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.

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. 

Loggings

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

- 5920 **OPPOSITION/RESISTANCE *Furusato no kaze*** (Japan to DPRK) (very tentative) at 1425. Familiar theme music heard just after some monologue by W in Japanese. This isn't referenced for here - new for summer season? -- Poor to Fair 4/5 Barton-AZ
- 5980 **NEW ZEALAND *RNZ Pacific*** in EE. April 28, 2022, 1334 – 1339. SIO 322. OMs in discussion. Poor listening. Heavy QRN, steep fluttery QSB. Not listenable at this time. May be better on another frequency. (Henley, WA)
- 5980 **NEW ZEALAND *RNZ Pacific*** in EE to Oceania. May 18, 2022, 1349 – 1356. SIO 333. Talk and POP MX. Mixed announcers. Heavy QRN, rapid flutter type QSB. POP MX and Jazz. (Henley, WA)
- 6190 **JAPAN *NHK Radio Japan*** in KK to FE. April 27, 2022, 1420 – 1425. SIO 233. MX and mixed OM and YL commentators. Heavy QRN, steep QSB. Jokes and humor. Listenable with difficulty. (Henley, WA)
- 7200 **TAIWAN (Tentative) *Clandestine National Unity Broadcast Station*** in KK TO North Korea. April 19, 2022, 1446 – 1458. SIO 444. Likely via Tanshui, Taiwan. YL with animated talk in KK, POP MX, YL vocalist. Good signal, minor QRN / QSB. Listenable. Mixed OM and YL announcers with ID. Off the air at 1458. (Henley, WA)
- 7260 **VATICAN *Voice of America*** – Santa Maria do Galeria, 0354-0359* Apr 21, male signer with nice vocal selection accompanied by drums and string instrumentals until carrier was terminated. Good signal. (D'Angelo-PA)
- 7375 **ROMANIA *Radio Romania Int'l*** – Tiganesti, 0002-0034 May 22, woman announcer with the English language "this Week in Review" followed by "Focus on Romania" program. Good signal. (D'Angelo-PA)
- 7410 **CHINA *China Radio Int'l*** in JJ to FE. April 28, 2022, 1421 – 1430. SIO 433. YL commentator in JJ with a long monologue. Moderate QRN / QSB. POP MX with OM singer. (Henley, WA)
- 7410 **CHINA *China Radio Int'l*** in JJ to FE. April 18, 2022, 1513 – 1517. SIO 444. YL with news and commentary, then a language lesson with a YL instructor. (Henley, WA)
- 7505 **USA *WRNO*** – New Orleans, 0339-0409 Apr 19, man announcer with Hindi language talks followed by a female vocal selection at 0357. A woman announcer gave an English language station ID and two e-mail addresses at 0401 asking for prayer requests too. Excellent signal. (D'Angelo-PA)
- 7510 **GUAM *KTWR*** religious broadcast in KK. April 26, 2022, 1444 – 1453. SIO 444. Trans World Radio via Agana, Guam. YL singer soloist followed by YL announcer. On-air telephone conversation with multiple YLs in KK talk. (Henley, WA)
- 7730 **UKRAINE [non] *UR1 via WRMI***, May 17 at 0500-0506,, day 82 of Russia`s war, `Ukraine: Security Issue` in English (Glenn Hauser, OK,)

- 9390 **THAILAND *Radio Thailand*** in Thai via Udon Thani. May 18, 2022, 1407 – 1415. SIO 333. YL announcer with Thai talk and news. Moderate QRN / QSB. Listenable. Target is SEA. OM chanting or singing in Thai. Flute MX. QRN increasing as sun rises here. Off air at 1415. (Henley, WA)
- 9410 **PHILIPPINES *Voice of America*** in KK via Tinang to FE. April 26, 2022, 1436 – 1443. SIO 343. OM with long monologue in KK, moderate QRN / QSB. OM with strident commentary, including some audio clips in EE. (Henley, WA)
- 9435 **NORTH KOREA *Voice of Korea*** in EE to NAM. April 26, 2022, 1350 – 1356. SIO 444. OM announcer with ID and broadcast schedules. YL chorus with patriotic MX. Sign-off with “Goodbye, this is Pyongyang.” Off the air at 1356. (Henley, WA)
- 9435 **NORTH KOREA *Voice of Korea*** in EE to NAM. April 19, 2022, 1542 – 1550. SIO 333. Choral singing by OM chorus. Steep QSB to JBA. Heavy QRN. Listenable with difficulty. (Henley, WA)
- 9435 **NORTH KOREA *Voice of Korea*** in EE to NAM. May 19, 2022, 1517 – 1625, SIO 333. YL announcer in EE with commentary lauding the accomplishments of the North Korean regime. Moderate QRN / QSB. Noisy signal, but listenable. Song, “Praise for the Leader” sung by YL chorus. (Henley, WA)
- 9439 **EGYPT *Radio Cairo*** 9439.995, May 17 at 2201, R. Cairo still in extremely distorted English, plus hum S9+30/40 into UTwente. As Alan Holder quipped, “something’s always amiss at Abis”, but that does not do this justice; rather, “egregious in Egypt” (Glenn Hauser, OK,)
- 9585 **FRANCE *Radio Algerienne*** – Issoudun, 2147-2200* Apr 18, man announcer with Arabic language talks with several other men. Carrier abruptly cut at top of the hour. Fair signal. (D’Angelo-PA)
- 9615 **JAPAN *Radio Japan*** via Yamato – 4/8 0655 noted with commentary, promo, ID into news in Japanese. SIO 434. (Bueneman-MO)
- 9650 **SAUDI ARABIA *Saudi Radio Int’l*** via Riyadh – 4/29 0943 noted with instrumental music and commentary in Arabic. SIO 333. (Bueneman-MO)
- 9675 **CHINA *China Radio Int’l*** in RR to FE. April 26, 2022, 1426 – 1435. SIO 444. YL main announcer in RR. POP MX, mixed commentary, and YL with long monologue. More POP MX with YL singer follows. (Henley, WA)
- 9675 **CHINA *China Radio Int’l*** in RR to FE. April 27, 2022, 1450 – 1457. SIO 433. CRI with MX and RR to FE. YL announcer, moderate QRN / QSB. Listenable. YL with long monologue. CC POP MX sung by YL singer at 1455. Off the air at 1457. (Henley, WA)
- 9675 **CHINA *China Radio Int’l*** in RR to FE. April 23, 2022, 1455 – 1457. SIO 444. Target is FE. MX, then off the air at 1457. (Henley, WA)
- 9675 **CHINA *China Radio Int’l*** in RR to FE. May 16, 2022, 1437 – 1442. SIO 434. CRI with OM commentator in RR. Possibly a dramatic reading. Moderate QRN / QSB. Various noisemakers, drums, etc. CC MX. Long monologue by OM. Rapid, shallow QSB. (Henley, WA)
- 9685 **TAIWAN (Tentative) *Nippon no Kaze*** Clandestine / opposition in KK. April 23, 2022, 1521 – 1531. SIO 444 “Nippon no Kaze” mixed OM and YL announcers with appeal and POP MX. Likely broadcast from Paochung, Taiwan. QRN increasing. (Henley, WA)
- 9705 **TAIWAN (Tentative) *Clandestine / opposition Furusato no Kaze*** May 19, 2022, 1452 – 1458. SIO 333. “” in JJ, likely from Paochung in Taiwan. Listed target is

- North Korea. Listenable. Mixed OM / YL announcers. Off the air at 1458. (Henley, WA)
- 9760 **ALASKA KNLS** religious broadcaster in CC. April 19, 2022, 1505 – 1514. SIO 333. OM with religious homily. Steep QSB to JBA. Heavy QRN. Listenable. Target is FE. (Henley, WA)
- 9790 **CHINA [non] China Radio Int'l**, May 16 at 0458, CRI Cantonese via CUBA is S9+40 atop CCI in French which is RFI from 0400. At 0506 check, RFI S9:15 in the clear on this 04-07 UT broadcast huge collision during first hour. RHC not in HFCC so how could RFI possibly know of a problem? (Glenn Hauser, OK,)
- 9800 **ALASKA KNLS** religious broadcast in RR to FE. April 28, 2022, 1542 – 1547. SIO 423. Generally, a good signal but with steep QSB to inaudible. Moderate QRN. Listenable. OM with religious homily followed by POP MX. (Henley, WA)
- 9800 **ALASKA KNLS** religious broadcaster in RR to FE. April 18, 2022, 1518 – 1524. SIO 555. Good signal, minor QRN, shallow QSB. Easy listening. POP MX, Christian rock, popular rock songs such as “All of Me.” (Henley, WA)
- 9800 **ALASKA KNLS** religious broadcaster in RR. May 16, 2022, 1525 – 1534. SIO 343. OM and YL announcers with homily. MX clips. Long monologues. Steep QSB to inaudible. POP MX in EE. Contact information and ID given in RR. (Henley, WA)
- 9800 **ALASKA KNLS** religious broadcast in RR. May 19, 2022, 1526 – 1530. SIO 444. POP MX, OM with homily in RR. Listed target is FE. ID and contact information given in RR. (Henley, WA)
- 9830 **TURKEY Voice of Turkey** – Emirler, 2217-2228 May 6, tuned in to hear the “Weekly Analysis” feature in English followed by Turkish music. Good signal. (D’Angelo-PA)
- 9830 **TURKEY Voice of Turkey** 9830.021, May 18 at 2225, VOT English, S9+40 into UTwente with some hum, just concluding the `Feeling Supreme` theme (Glenn Hauser, OK,)** BRAZIL. 9667.177V, May 17 at 0635, RVM music, carrier wobbling audibly but still exceeding 9667 from nominal 9665 (Glenn Hauser, OK,)
- 9840 **VIETNAM Voice of Vietnam** in EE to FE. April 28, 2022, 1353 – 1358. SIO 232. MX. YL with POP MX song. Noisy signal, but listenable with difficulty. YL announcer, sign-off and off the air at 1358. (Henley, WA)
- 9890 **CHINA CGTN Radio** via Beijing – 4/27 1111 noted with commentary in Russian. SIO 333. (Bueneman-MO)
- 9890 **UNIDENTIFIED** – 4/10 -0130 noted testing with open carrier; time pips at 0200, carrier cut at 0201. SIO 444. (Bueneman-MO)
- 9900 **TAIWAN Radio Free Asia** in KK to FE. April 28, 2022, 1347 – 1352. SIO 434. OM in KK commentary. From Paochung, Taiwan. Moderate QRN / QSB. Long monologue. (Henley, WA)
- 9925 **NETHERLANDS [non] The Mighty KBC**, UT Sun May 15 at 0136, quick check of The Mighty KBC gets rock and Eric at S9+25/30 via EAST GERMANY, rivalling 9975 KVOH. (Glenn Hauser, OK,)
- 9965 **PALAU Hope Radio T8WH** Medorm – 4/28 0830 noted with Contemporary Christian music, *Harmony of Hope* teaching program, sign-off announcement in English at 0846 with music continuing until the carrier went off at 0850. SIO 454 on the Sangean, 323 on the SDR. (Bueneman-MO)
- 11620 **UNITED KINGDOM KBS World** via Woofferton – 4/27 0752 noted with commentary in Korean. SIO 323. (Bueneman-MO)

- 11630 IRAN *Voice of the Islamic Republic of Iran*** – Sirjan, 2302-2319* May 6, tuned in to a man announcer with a long talk in the listed Hausa language. Brief instrumental music followed by a woman announcer introducing the next speaker. Another man followed with another long talk. Instrumental music at 2317 followed by another man with seemingly closing announcements. Instrumental music continued until carrier was terminated. Poor to fair signal. (D'Angelo-PA)
- 11655 JAPAN *NHK Radio Japan*** in Hindi to South Asia. May 19, 2022, 1532 – 1543. SIO 333. OM in Hindi with long monologue. Moderate QRN / QSB. Noisy signal, but listenable. Signal increasing as sun rises. Announcer switch at 1536 to a different OM announcer, who also gave a long monologue in Hindi. YL joins with some MX clips after 1540. (Henley, WA)
- 11685 SINGAPORE *BBC WS*** 1345. Magazine; interviews on current events topics, segment on China and their record on dealing with spread of disease. Apparently new for A-22, we've been hearing more BBC English on various skeds since the beginning of the new season. -- Very Good 4/11 Barton-AZ
- 11715 CHINA *CNR 1*** jammer in CC. April 28, 2022, 1440 – 1445. SIO 444. OMs in rapid CC talk, probably jamming broadcasts from Taiwan, such as "Sound of Hope." (Henley, WA)
- 11715 CHINA *CNR 1*** jammer in CC. April 23, 2022, 1449 – 1454. SIO 444. Listed target is FE. OMs in debate / commentary. QRN increasing. (Henley, WA)
- 11735 NORTH KOREA *Voice of Korea*** in KK. April 28, 2022, 1446 – 1500. SIO 232. Martial MX, choral singing. YL announcer between MX pieces. Instrumental MX follows. (Henley, WA)
- 11745 SAUDI ARABIA *Al-Azm Radio*** – Jeddah, 0002-0047 May 5, after a Middle Eastern vocal selection a woman announcer began Arabic language talk with a man hosting a segment with audio clips of various different men. Another vocal selection at 0020 followed by a man talking between music selections. Fair. (D'Angelo-PA)
- 11780 BRAZIL *Radio Nacional da Amazonia*** in PP domestic broadcast. May 21, 2022, 2338 – 2346. SIO 444. PP Latin MX, OM announcer. Good signal, good Latin MX. Moderate QRN, shallow QSB. Easy listening. This station is always worth listening to and usually has a strong, clear signal into the USA. (Henley, WA)
- 11785 PHILIPPINES *Voice of America*** in CC to FE via Tinang. April 28, 2022, 1341 – 1345. SIO 333. OMs in CC commentary. Moderate QRN / QSB. Echo on signal. (Henley, WA)
- 11790 BRAZIL *Radio Nacional da Amazonia*** at 2245. No longer missing in action. Brazilian folk music, M presenter in Portuguese, heard on "World Traveler" vintage portable and whip. Great to have them back ! -- Good 4/10 Barton-AZ
- 11815 JAPAN *NHK Radio Japan*** in Burmese to SEA. April 27, 2022, 1441 – 1449. SIO 333. YL announcer in Burmese with commentary. MX follows. OM joins at 1445. Heavy QRN, steep QSB. Listenable but with flutter. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in Burmese to SEA. April 23, 2022, 1443 – 1449. SIO 555. YL announcer in Burmese with conversation / commentary with several other YLs. Excellent signal, easy listening. Talk and POP MX. (Henley, WA)
- 11815 JAPAN *NHK Radio Japan*** in Burmese to SEA. May 17, 2022, 1448 – 1456. SIO 444. Mixed OM and YL commentators in Burmese. Minor QRN / QSB. Listenable. A nearly clear signal. (Henley, WA)

- 11815 **JAPAN NHK Radio Japan** in JJ to SEA. May 18, 2022, 1533 – 1541. SIO 555. OMs in conversation. Some humor and laughter. Listed target is SEA. Minor QRN, shallow QSB. Good signal, easy listening. (Henley, WA)
- 11815 **JAPAN NHK Radio Japan** in Burmese to SEA. May 19, 2022, 1440 – 1452. SIO 544. Good signal. OM in Burmese with news items and long monologue. Minor QRN / QSB. Easy listening, MX and commentary. YL joins at 1445. (Henley, WA)
- 11825 **AUSTRALIA Reach Beyond Australia** in Burmese to Myanmar. April 19, 2022, 1528 - 1530. SIO 434. Religious broadcast. Station ID by OM in EE. Off the air at 1530. (Henley, WA)
- 11855 **CHINA China Radio Int'l** – Urumqi, popular music vocals hosted by a woman announcer with Spanish language talk. Closing announcements at 2358 followed by light instrumental music until carrier was terminated. Fair signal. (D'Angelo-PA)
- 11870 **CHINA China Radio Int'l** in RR / CC to Eastern Europe. April 18, 2022, 1623 – 1631. SIO 555. OM with RR commentary. Children's chorus singing. Excellent signal, easy listening. Mixed CC and RR with OM announcer. Language lesson. YL joins at 1629. (Henley, WA)
- 11905 **SRI LANKA Sri Lanka Broadcasting Corporation** – Trincomalee, 0031-0056* May 5, just missed opening of program with vocal selection followed by a woman announcer in listed Bonga language with apparent opening announcements. Nice program of musical selections. Fair to good signal. (D'Angelo-PA)
- 11905 **SRI LANKA Sri Lanka Broadcasting Corporation** – Trincomalee, 0034-0056* May 22, woman announcer with listed Bangla language talk followed by a female vocal selection. Program mainly of vocal selections with some short talk segments, Carrier cut mid-song. Fair signal. (D'Angelo-PA)
- 11995 **FRANCE Radio France Int'l** – Issoudun, 2134-2159* May 6, several men in a heated French language discussion with a female announcer as host. After a brief instrumental music segment, there were several announcements before returning to female host and much lighter fare with laughter, singing and talk. Closed with quick announcements before carrier was terminated. Fair. (D'Angelo-PA)
- 11995 **FRANCE Radio France Internationale** via Issoudun – 4/1 1922 noted with commentary in French. SIO 323. (Bueneman-MO)
- 12025 **SINGAPORE BBC** in EE to ME via Kranji. April 28, 2022, 1528 – 1538. SIO 444. Mixed announcers / commentators. Discussion of Indian politics affecting the World situation, especially India's relationship with Russia and its dependency on Russian armaments. Mixed announcers and interviewees. (Henley, WA)
- 12025 **SINGAPORE BBC WS** 1620, IN English, news magazine in progress at tune-in. Have heard this for a few days since the beginning of A-22, another new English broadcast from The Beeb. -- Very Good 3/30 Barton-AZ
- 12025 **SINGAPORE BBC WS** in EE to ME via Kranji. April 18, 2022, 1524 – 1535. SIO 434. YL and OM discussing cancer treatment and a short supply of medications. An ongoing civil war in Sri Lanka was discussed at length. Station ID at 1529. Talk of the war in Ukraine and other conflict news. Increasing QRN as the sun rises here. (Henley, WA)
- 12025 **SINGAPORE BBC World Service** to ME in EE. May 18, 2022, 1518 – 1530. SIO 444. Discussion of the Taliban in Afghanistan shutting down schools and education for girls and the increasing number of underground schools being created at great risk to those participating. (Henley, WA)

- 12035 THAILAND *Voice of America*** in Pashto to Afghanistan via Udon Thani. April 26, 2022, 1418 – 1425. SIO 444. Voice of America Deewa Radio. OMs in animated talk. Good signal easy listening. Minor QRN / QSB. (Henley, WA)
- 12035 THAILAND *Voice of America Deewa Radio*** in Pashto to Afghanistan via Udon Thani. May 20, 2022, 1425 – 1434. SIO 233. Listed target is Afghanistan. Noisy signal, heavy QRN, rapid QSB / flutter. OM announcer with long monologue. Several OMs in conversation or debate. (Henley, WA)
- 12045 THAILAND *Voice of America*** in EE / KK via Udon Thani. April 23, 2022, 1434 – 1442. SIO 555. Broadcast of the ending of the movie Casablanca followed by jazz piano pieces and various jazz songs in EE. YL announcer in KK. (Henley, WA)
- 12080 PHILIPPINES *Voice of America*** to FE via Tinang. // 12045 from Udon Thani in Thailand. April 27, 2022, 1434 – 1439. SIO 555. Excellent signal, easy listening. Mixed OM and YL commentators. Long monologues. (Henley, WA)
- 12080 PHILIPPINES *Voice of America*** in KK via Tinang. April 19, 2022, 1458 – 1500. SIO 444. OM announcer. “Yankee Doodle” sign-off at 1500. OM with station ID. (Henley, WA)
- 12080 PHILIPPINES *Voice of America*** in KK to FE. May 16, 2022, 1429 – 1434. SIO 444. VOA from Tinang. OM and YL commentators in KK. VOA relay via Tinang. Some news clips in EE. (Henley, WA)
- 12095 UNITED ARAB EMIRATES *BBC WS*** 1730, news magazine by M in (listed) Amharic (Ethiopia) -- Good 4/4 Barton-AZ
- 12095 SINGAPORE *BBC WS*** in KK to FE via Kranji. April 19, 2022, 1536 – 1541. SIO 544. OM with commentary. Rapid, shallow QSB, minor QRN. Listenable. YL joins at 1539. (Henley, WA)
- 12160 UNITED STATES *WWCR2*** in EE religious broadcast from Nashville, TN. April 23, 2022, 1512 – 1517. SIO 333. OM with schedules and a religious message. Noisy signal. Gospel singing with a mixed choir and piano accompaniment Target is NAM. Lively congregation. Amen! (Henley, WA)
- 13605 UNITED STATES *Radio Marti*** in SS via Greenville, NC. April 27, 2022, 1426 – 1432. SIO 433. OMs with SS talk and commentary. Target Cuba. Heavy QRN. YL joins at 1430. Cluster of ID and announcements at BOH. (Henley, WA)
- 13605 UNITED STATES *Radio Marti*** in SS via Greenville, NC. April 19, 2022, 1521 – 1527. SIO 323. Mixed OM and YL announcers in SS. Steep QSB to inaudible. Increasing QRN. Listenable with difficulty, mostly poor. OM with station ID. (Henley, WA)
- 13630 MALI *CGTN Radio*** via Bamako – 4/9 2145 noted with commentary in French. SIO 333. (Bueneman-MO)
- 13635 TURKEY *Voice of Turkey*** via Emirler – 4/27 0750 noted with commentary in Turkish. SIO 323. (Bueneman-MO)
- 13650 ROMANIA *Radio Romania Int'l***, May 16 at 2037, RRI first English of the day for N America is huge S9+50 into UTwente, but absent from // 11850, the ailing transmitter. 2045 `History Show` about a great poet (Glenn Hauser, OK,)
- 13650 NORTH KOREA *KCBS Voice of Korea*** in KK to SEA. May 16, 2022, 1424 – 1428. SIO 333. Debate or harangue in KK Target is SEA. Animated OM commentator. (Henley, WA)
- 13695 FRANCE *Radio France Int'l*** via Issoudun – 4/27 0744 noted with commentary and discussion in French. SIO 434. (Bueneman-MO)

- 13760 **NORTH KOREA** *Voice of Korea* in FF to EU. May 17, 2022, 1440 – 1445. SIO 333. Choral MX. Steep QSB, heavy QRN. YL chorus. Heavy QRN steep QSB, poor, noisy signal but listenable with difficulty. (Henley, WA)
- 13845 **UNITED STATES** *WWCR 3* in EE from Nashville, TN, religious broadcast. May 21 – 22, 2022, 2355 – 0000. SIO 333. YL preacher. Noisy signal with heavy QRN and shallow QSB. Listenable with difficulty. (Henley, WA)
- 13860 **CHINA** *China Radio Int'l* in RR to Eastern Europe. April 23, 2022, 1502 – 1511. SIO 333. OM announcers in RR. Talk of the Ukraine conflict and its progress, especially in the besieged cities. Increasing QRN. Talk about Mariupol. (Henley, WA)
- 15125 **MALI** *China Radio Int'l* (Bamako II) 1710 (in progress at tune-in), nice African music, talk by M in (listed) Swahili (East/Central Africa) -- Very Good 4/4 Barton-AZ
- 15195 **JAPAN** *NHK Radio Japan* in JJ to FE. April 24, 2022, 0354 – 0358. SIO 545. OMs in JJ commentary and humor. MX. Target is FE. POP MX, YL singer. Listenable. (Henley, WA)
- 15230 **CUBA** *Radio Havana Cuba* in SS to SAM. May 21, 2022, 2313 – 1316. SIO 333. Latin MX with OM announcer. Heavy QRN, steep QSB to JBA. (Henley, WA)
- 15245 **CHINA** *China Radio Int'l* in EE to Europe. April 19, 2022, 1515 – 1520. SIO 333. Talk about Chinese popular culture, and the United versus China. It is an unabashed promotion of all things Chinese even though there is no evidence that the Chinese culture or economy is anything like as good as the USA's. (Henley, WA)
- 15275 **FRANCE** *Radio Deutsche Welle* (Germany, but via Issoudun) 1630. Apparent current events/magazine programming, all in Amharic, directed to Ethiopia -- Fair 4/4 Barton-AZ
- 15285 **CLANDESTINE** *Manara Radio Int'l* – Issoudun, 1611-1626 Apr 21, tuned in at a reasonable level with a man talking in the listed Hausa language. However, reception quickly deteriorated with deep fades and eventually static consuming the signal. (D'Angelo-PA)
- 15285 **SAUDI ARABIA** *Saudi Radio Int'l*. April 24, 2022. 0406 – 0420. SIO 333. Listed target is East frica. Language is either Swahili or Indonesian. Target is the same for either language. OM with talk, Middle Eastern MX. Noisy signal, but listenable. Arabic chanting in the background. (Henley, WA)
- 15410 **CHINA** *China Radio Int'l* in CC to EU. May 16, 2022, 1419 – 1423. SIO 444. OM announcers with commentary and some news items. YL joins conversation with additional commentary. (Henley, WA)
- 15460 **SAO TOME** *Voice of America* 1700. Heard on Sangean portable and 16' vertical. News and news magazine, interviews, woman presenter, all (listed) in Shona (Mozambique and Zimbabwe). Some mentions of "Democratic Party", "Mali" and "Mombasa (Kenya)" -- Fair to Good 3/25 Barton-AZ
- 15490 **ASCENSION** *BBC WS* 2045. In progress at tune-in. Apparent magazine, W in (listed) Hausa (Nigeria, et al) -- Fair 3/25 Barton-AZ
- 15520 **SPAIN** *Radio Exterior de España* via Noblejas – 4/9 2134 noted with commentary and discussion in Spanish. SIO 434. (Bueneman-MO)
- 15565 **VATICAN** *Radio Vatican* in Amharic to East Africa. April 23, 2022, 1536 – 1542. SIO 433. From Santa Maria di Galeria. OM announcer with long monologue in Amharic. (Henley, WA)

- 15590 THAILAND *Radio Thailand*** – Ban Dung Udon Thani, 0012-0027 May 5, man and woman announcers with English language news including Public Service Announcements and a couple of ads. Poor signal. (D'Angelo-PA)
- 15600 CHINA *China Radio Int'l*** in PP to SAM. May 21, 2022, 2318 – 2326. SIO 433. Orchestral MX. Classical CC MX. (Henley, WA)
- 15720 NEW ZEALAND *RNZ Pacific*** in EE. April 24, 2022, 0345 – 0354. SIO 434. Radio play, various OM and YL actors. MX. Listenable. (Henley, WA)
- 15760 CHINA *CNR1*** Jammer in CC. May 19, 2022, 1431 – 1437. SIO 444. Strong signal, possibly jamming “Sound of Hope” from Taiwan. Multiple OM and YL announcers, advertisements, loud MX, and long monologues in CC. (Henley, WA)
- 15800 CHINA *CNR1*** jammer in CC. May 16, 2022, 1454 – 1459. SIO 333. OM and YL announcers, possibly jamming “Sound of Hope” from Taiwan. Talk, and MX clips. Listed target is FE. (Henley, WA)
- 17855 SPAIN *REE*** 17855, Wed May 18 at 2210, token English from REE, today`s feature with Amy Egan about the Eurovision Song Contest won by Ukraine, also with other entries such as Spain`s. VG into Maryland SDR (Glenn Hauser, OK,)



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


<www.ontheshortwaves.com> Update, May 1, 2022 -- Senegal came on shortwave in 1940, making it one of the earlier African stations on the bands. Over the years it produced many good-looking QSLs. We have gathered them together, and added a bit of history, in “Senegal in QSLs.” Look for the red “New” Under “DX History-I/QSLs & Other Station Memorabilia.”


And under “Specialized Resources/Wavescan,” we have added the following recent stories to the list. Please note that they are available in audio only. They are: (1) “The Early Marconi Years at Chelmsford” (Wavescan N684, April 3, 2022); (2) “The Voice of America on Mediumwave at Poro in the Philippines” (Wavescan N685, April 10, 2022); (3) “The Story of the Two Radio Stations Known as Radio Sada-e-Kashmir” (Wavescan N686, April 17, 2022); (4) “90th Anniversary of the BBC World Service, Pt. 1” (James Careless, Radio World article) (Wavescan N686, April 17, 2022); (5) “100 Years of Radio in Manitoba, Canada: The Early Wireless Years” (Wavescan N687, April 24, 2022); and (6) “90th Anniversary of the BBC World Service, Pt. 2” (James Careless, Radio World article) (Wavescan N687, April 24, 2022).

<www.ontheshortwaves.com> Update, May 8, 2022 -- Under “DX History-III/Philately/Mixes,” look for “Stamp Page-V,” containing radio-related postage stamps from Australia, Costa Rica (Radio Netherlands), Germany, South Korea, Liberia (ELWA), Malaysia, Norfolk Island (Radio Australia), Pakistan, Papua New Guinea, St. Helena, U.A.R. (Egypt),

Uruguay and the U.S.S.R.; and these Cinderellas: CFCN verification stamp (Canada), United Steamship Co. "Radio Letter" (Denmark), 1964 German shortwave radio, Radio of Free Asia, and Round the World DX Club.

<www.ontheshortwaves.com> Update, May 22, 2022 -- For those DXers who made it an annual ritual to page through each year's new World Radio TV Handbook, one place where they probably stopped was the list of low-power stations operated at various locations throughout Japan by NHK. Not a lot was known about these stations, and because their listed power was under 1 kw., they were in the "dream" category for most of us. The last of the stations closed in 2005, but their history lives on through an interesting paper prepared by our friend, Tetsuya Hirahara. It traces the history of the stations from wartime days, and it also includes recorded IDs from the various stations, plus the ID texts in both Japanese and English. Read "NHK's Low Power Shortwave Outlets" in "DX History-I/Stations" or under "Specialized Resources/The DX Recordings of Tetsuya Hirahara." *Thanks, Tetsuya.*

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. 

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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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