

The **NASA** Journal

VOLUME LXIII NUMBER 3

MARCH 2023



RÁDIO NACIONAL DE ANGOLA



STUDIO



ANTENNAS

 RÁDIO NACIONAL DE ANGOLA

Caro Senhor
Acusamos a recepção da sua carta, sobre as condições de escuta da nossa estação emissora a frequência de Khz, aos no período de e da à horas GMT.

Cher Monsieur
Nous agréons votre lettre et vos informations sur nos conditions d'auditions sur la fréquence de Khz, le des à heures TMG.

Dear Sir
We received your letter listening conditions of broadcast on short wave frequencies of Khz, listened by you from / / G.M.T.

Rádio Nacional de Angola, / /
O Director, / /
Cx. Postal 1329 * Telex 3000 Embargo AN — Luanda, República Popular de Angola

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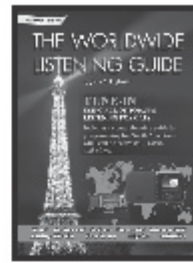
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Please see inside back cover



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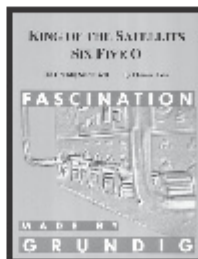


LISTENING TO LONGWAVE - THE WORLD BELOW 500 KHZ

By K. 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. ©2007 Unk. Radio. 98 p.

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By Thomas Baler. The famous 650 was the King of the Satellite line. Author Baler, draws from his sources in Germany to cover this famous receiver. Over 100 pictures are featured in this 80 page book. Learn about variants, production numbers, disassembly, adjustments, bulb replacement and more. The Owner's Manual and schematic are also reproduced.

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NASA Notes

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


Our editorial deadline for this month's bulletin was slightly over a week prior to the virtual 2023 Winter SWL Festival. Consequently, we don't have anything to report this month but we should have plenty of reports appearing in next month's bulletin with some cooperation from our membership. If you participated in the virtual Winter SWL Festival, please send your thoughts/comments to our Musings editor, Jerry Alice Lineback, for inclusion in the next edition of The Journal. Thanks!

I have seen several reports of numerous shortwave listeners around the world reporting that their copies of the 2023 World Radio Television Handbook ("WRTH") have arrived. Many report the much larger size of the handbook, 848 pages. I ordered my copy from Universal Radio in Ohio but it hasn't arrived as I close this column in late February. Also, I checked Amazon at my editorial deadline and they do not list the 2023 edition of the WRTH being available. Whether or not the 2023 WRTH will be available through Amazon is still a mystery. With a new WRTH Editorial Team in place the continued availability of this valuable hobby resource is good news. The lateness of its release probably reflects the usual problems associated with handing over the publication to a new outfit.

This month John Herkimer's cover design takes us to Angola. There was a time when the African nation of Angola was home to

many private regional shortwave stations. Today, only Radio Nacional de Angola remains. RNA is the state-operated station with headquarters in Luanda. Their 25 kW transmitter broadcasts 24 hours a day in Portuguese and can occasionally be heard on 4949.8v kHz. Thanks, John, for this look into the only remaining shortwave outlet from Angola.

Finally, don't forget that the 2002 Tropical Band Monitor ("TBM") is available for free online at www.dswci.org. The Tropical Band Monitor which has always been an important tool for me over the years particularly during our French Creek State Park DXpeditions. Of course, it has been several years since we last attempted such a DXpedition but I certainly hope one is in my future. The TBM is a valuable DX resource indicating activity stations remaining on our beloved tropical band spectrum. The TBM uses an to indicate that the station has been reported heard in 2022 by a DXer during the month marked. Unmarked months mean that no DXer has reported this station as heard, but not necessarily, that it was off the air. You may also look at the TBM for all 12 months of 2005-2021 at www.dswci.org in the TBM Archive. Thanks to Anker Petersen in Denmark this remains available to all DX'ers worldwide.

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

Unity and Friendship

Musings

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

Please e-mail your Musings, preferably as MS Word attachments, to jalinebk@gmail.com or mail (early) to Jerry Lineback, 4422 Sierra Del Sol, Paradise, CA 95969-8116. The deadline for the April 2023 issue is March 22, 2023.

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

We are doing well here and keeping busy. Trace of snow today, gone quickly. Our landscaping is done except for the plantings to be done this spring. Looks wonderful.


73, Jerry Alice

I have a little musing for you regarding the 2023 Klingenfuss Shortwave Frequency Guide. Several days ago, I purchased a copy from Universal Radio Inc. It arrived today and I began perusing the pages when I discovered that 33 pages were missing! Pages 104 to 137 were not there. I emailed Fred at Universal to advise him and am awaiting his response. I don't know if this is an anomaly and was caught during printing or [if] the entire printing contains this error. I've purchased this publication for several years and never detected a problem. But any member thinking of purchasing this should be aware.

Take care and 73,

Ed Cichorek

Looking forward to hearing from you, please contribute.

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. 

Listening Review

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

Welcome to back Listening Review for March 2023, following a month away whilst I was on holiday.

Time and circumstances did not lend itself to shortwave listening whilst I was away for seven weeks, and I am now once again enjoying some random shortwave listening. One of the interesting things to do after such a (relatively) long time away from the shortwave bands is to re-acquaint oneself with “what’s hot and what’s not”. Propagational changes over a few days can be quite significant, over several weeks can be even more so. So, with that in mind, here are some observations of random listening over the first week following my return from holiday, including a few overnight recordings with my SDR Play RSpdx, and some advance program news.

ALGERIA. **Radio Algerienne** is putting in great signals overnight on their new-ish transmitters at Bechar and Ourgla from before 0000 until 0600 UT or later on both 7440 and 9500 kHz. The two transmitters are currently running in parallel with a mix of Qur’an, news bulletins, chat and some (but not a lot) good Arabic music. I assume that these are mostly relays of the domestic **Chaîne 1**. I have had a good look around for



a program schedule for Chaîne 1, but haven’t found anything so far. There is a page on their website detailing selected programs, but

nothing is listed for the overnight slot from 0000-0600.

INDIA. **All India Radio**. The **French service** of AIR continues to provide good reception in the European evening from 1930-2030 UT on 9620 kHz from with a nice selection of Indian music, such as on 19 February when I tuned in from 2000 UT. This service is supposed to be in DRM on Channel 1 with the Ragaam service on Channel 2. Decoding of their DRM transmission was rarely successful, so I am grateful that, for now, the transmission continues in AM.

JAPAN. **NHK World Radio Japan**. Fred Waterer sent an email to me in January writing: “I heard a music program in Japanese on Radio Japan NHK tonight via France at 0330 UTC on 6105 kHz. I need to poke around their website and do some google translate sorcery for name and such. Female announcer was very enjoyable to listen to. Music included Donna Summers Hot Stuff and a reggae cover of Feel Alright. It's fun to just stumble onto such a show!”

Thanks for the contact, Fred, and I entirely agree! I have long listened to **NHK Radio Japan’s Japanese service** in our (European) evenings from at various times between 1700-1900 UT, which often has extended and enjoyable musical segments, very often themed around a particular artist, or topic. I hadn’t clued-in to the transmission mentioned by Fred. So, via my overnight recording, I listened to this program on 16 February from 0200-0500 and found a chat/magazine program with plenty of

musical interludes, starting off with the classic Three degrees track "When Will I See You Again". I listened with fair-to-good reception on 6105 kHz from 0200-0400 and 7265 from 0400-0500. By the way, I did try some Google Japanese translation on the NHK program pages on their website a few years ago with little success. Maybe time to try again!

The full schedule of this Japanese transmission is from 0200-0500 on 6105-iss (until 0400), 7265-iss(from 0300), 11790, 15195, 17810. (-iss denotes transmission via Issoudun in France).

By the way, Fred writes his excellent column **The Shortwave Listener** every month with more shortwave program news and comment in the subscription-only PDF magazine **The Spectrum Monitor**. Visit <https://www.thespectrummonitor.com> for more details and to subscribe. Only US\$24 per year.

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USA. **Radio Angela via WBCQ**. Via my overnight recording of 19 February, I was able to listen **Harmony Barn Sessions** on R. Angela/WBCQ on 5130 kHz from 0200-0300 UT. The signal here in Europe was fairly weak, but never-the-less usable for the first half-hour, after which it tailed off a little. The program included some quite enjoyable Country music. I always say that I'm not really a fan of this sort of music, but in reality, when I hear country or C&W music, I often seem to enjoy it! However, I should confess that I have little idea of the difference between "country" and "country & western" music - and that's without getting into the many sub-genres of music in this category. I might add, that I continued to monitor the signal for the period 0200-0400. Reception was weak, but did manage to hear some of **Ginga Brasil** (mostly during

the middle third of the hour from 0200), and a little of the ever-popular **Uncle Bill's Melting Pot** (during the last half of the hour from 0300). All these programs are highly recommended.

Still with **R. Angela**, there are a few schedule changes from March. (NB: times for programs heard before 19 March will be one hour earlier than shown). The **WBCQ Polka Party** continues on the 3rd Monday of the month at 0300, but will be slightly shorter, as a new program **The Hill Are Hollerin'** with Scott Hadley presenting a short segment of hillbilly and related music is aired at 0355UT. **Behavior Night** becomes fortnightly on the 1st and 3rd Wednesdays at 0200, with **Café Olé** presented by Wolfgang König in Berlin moving from Thursdays to the 2nd and 4th Wednesdays (and gaining an extra edition each month). On the 4th Thursday replacing, **Café Olé**, **Jazz Around The World**, also presented by Wolfgang König with jazz from around the planet extends to two hours from 0200-0400. Finally, Scott Hadley's **El gringo viejo con mucha cuerda**, with early recordings made in Latin America moves from the 3rd Tuesday of the month to the 2nd Friday at 0350-0400 UTC.

From 19 March, **R. Angela** broadcasts daily on 5130 kHz as follows: 0100-0400 Sundays, 0200-0410 Mondays to Fridays and 0200-0430 on Saturdays (prior to the US DST change in mid-March, all programs will be one UTC hour later.).

USA. **Music and Medicine** is scheduled monthly on the first Sunday of the month (and repeated the following weeks) at 1900 UT on 15770 kHz via **WRMI**, so I tuned-in 19 February (albeit very late at 1940 UT) to listen. However, this episode turned out to be the same one that I previously heard on 11 December. I wonder if this was just an error for today, or this month, and whether there was a different episode during

January. This episode ended with Saint-Saëns "The Swan", Mendelssohn Piano Trio and play out with The Beatles "Yesterday". It was very pleasant listening, but it will be a shame if there are no new episodes.

USA. **Texas Radio Shortwave** is providing fair-to good reception in Europe presently for their Sunday 1200 UT transmission on 15770 kHz via WRMI, despite some annoying utility noise on around 15768. I very much enjoyed the program 19 February featuring recorded live music from Studio 1A at radio station KUTX98.9 in Austin, Texas, in particular some country tracks from Carson McHone and some country and western tracks from Charley Crockett. And a cool fact: it seems that Charley is a (albeit distant) relative of Davy Crockett!



Whilst talking about **TRSW**, here is their upcoming schedule with themes for March, as follows:

- Sundays at 0100 (0000 UT from 19 March) on 5950 kHz
 - 5 March: **Texas Independence Day**; 12 March: **Clay Walker**; 19 March: **Eric Johnson**, and on 26 March, two episodes of the 1950's old-time radio series **Bold Venture**.
- Sundays at 0200 (0100 UT from 19 March) on 5950 and at 1200 UT on 15770 kHz

Lots of music from the **2023 South by Southwest Music Festival**, with a different edition each week, on Sundays 5, 12, 19 and 26 March.

Is there anyone out there reading this?

If so, drop me an email and let me know, and while you're at it, perhaps include a few lines about a program that you heard and enjoyed this month,

With that, until next time:

73's - Alan

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.



International Broadcasting

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<http://www.kimandrewelliott.com>

Ideas – bad, worse, and impractical – about US international broadcasting

Commentaries with ideas about US international broadcasting come along at a fairly even clip, but February provided an abundant supply of such essays, some less bad than the others.

We begin in the journal *Foreign Policy*, no less, in which Eric Edelman et al provide thoughts about Belarus and “finally solving the Lukashenko problem. It is long past time for Europe’s last dictator to go.” (t.ly/-mkaP) One way to do that, they write: “To prepare for Lukashenko’s ouster, the United States should be actively messaging that the Belarusian dictator’s days are numbered on platforms such as Voice of America and Radio Liberty—sources of information that many in Belarus with access rely on.”

To start with, only RFE has Belarusian, although many Belarusians also speak the linguistically similar Russian. More importantly, RFE and VOA are “sources of information that many in Belarus with access rely on” because they *don't* do “messaging.” They report the news. And its simplistic undergraduate-level political science to think that international broadcasting exists for plugging in messages, as needed and at the direction of foreign policy decision makers, to further specific foreign policy goals.

That writers in *Foreign Policy*, no less, don't understand this indicates the US Agency for

Global Media has not adequately described and publicized its mission. The confusion begins with USAGM's one-sentence mission statement: “The mission of United States Agency for Global Media (USAGM) is to inform, engage, and connect people around the world in support of freedom and democracy.” Significantly, it does not mention “news” or “journalism.”

“Voice of America needs a reboot”

Writing in the *Washington Examiner*, Michael Rubin laments (t.ly/OZ-L) that “VOA only broadcasts [Ukrainian-language] TV programs 5.4 hours per week. Much of this is wasted. While VOA provides a 30-minute TV news broadcast, much of this features international news or reports developments in the U.S. What Ukraine needs is real-time, credible news about the war, not documentaries.” And here I thought conservatives like small government, but Rubin wants VOA expanded to duplicate just about everything RFE/RL does.

Rubin continues with the ad hominem attacks on VOA senior managers (lately mostly female) that conservative commentators have been pushing in the last few years: “The problem is leadership. President Barack Obama appointed Amanda Bennett, a professional journalist, and wife of the *Washington Post* CEO, to head VOA in March 2016. After President Joe Biden

nominated her, the Democrat-led Senate confirmed Bennett to head the U.S. Agency for Global Media in September 2022. There is nothing wrong with a political appointee at the helm, but competence matters.”

First, it’s false that Obama appointed Bennett. She was appointed by the bipartisan Broadcasting Board of Governors, predecessor to USAGM. Second, there is *plenty* wrong with a political appointee at the helm of what’s supposed to be a news organization. Since the BBG was abolished, the USAGM CEO is nominated by the President, with Senate consent. She/he in turn appoints the heads of the USAGM entities. When a new President occupies the White House, there will be a complete executive makeover of US international broadcasting, with effects on content that the audience is certain to perceive.

“Too much talk about racism”

Rubin seems downright moderate compared to Silvio Canto, Jr., writing in “American Thinker.” (t.ly/y8ip) Canto recalls his youth in Cuba, listening to VOA Spanish and English broadcasts. He praises and quotes paragraphs from the Rubin essay cited above. Finally, Canto adds: “recently, VOA sounds a lot like NPR, or too much talk about racism in U.S. history or gender equity or reproductive rights.” Yes, scrub all content about racism: That should do wonders for VOA’s audience numbers in Africa.

USAGM “performs an essential function”

Not all the recent writers are negative about US international broadcasting. In his comprehensive “New Paradigm for Global Journalism,” in the Columbia Journalism Review (t.ly/G2-3), Joel Simon includes a few paragraphs about USAGM: “During my time at [the Committee to Protect Journalists], and based on visits with USAGM

journalists in the field, I came to believe the network performs an essential function, most notably in countries where no independent media exists. Whether it’s worth the quarter of a billion dollar [*sic, closer to a billion*] annual price tag is harder to assess. Some in the media development field believe the US would get a much better return on investment channeling those funds to support local media working in their own countries.”

But, of course, effective international broadcasting *specializes* in transmitting news into countries where local media with any sort of independence are suppressed. Channeling funds to those media, if they exist, is either impossible or, at the least, very dangerous.

“Voice of the Anglosphere”

A new commentary (t.ly/rp1z) by Kyle Hutzler in the website Instick (new to me) is certainly – to its credit – audacious: “a merger of the BBC World Service and the collection of entities governed by the US Agency for Global Media, the most well-known of which is Voice of America ... would address both organizations’ challenges.” Hutzler has done his homework, on the one hand noting the expanded footprint of China’s and Russia international media (including disinformation), and on the other acknowledging budget pressures on Western international broadcasting. Specifically, he mentions the retrenchment involving several BBC World Service radio languages, with Arabic the most obvious recent example. (BBC continues in all those languages via “newer” media.)

Hutzler’s essay anticipates many of the organizational ramifications of such a merger. I don’t like to throw water on proposals that fracture old paradigms, but my main concern involves the fact that

international broadcasting entities – no matter how independent they are – are generally prized as symbols of national identity (like national airlines). Stakeholders in the UK and US are likely to resist sharing such a resource with their cousins across the pond.

Furthermore, the BBC would need to be convinced that USAGM and its entities meet the BBC's standards and traditions of independence. Certainly, there is debate now in the UK about how independent the BBC is or should be, and the extent to which politics should be involved in selecting

members of its board. Nevertheless, independence is much more precarious in US international broadcasting.

Before any merger with the BBC can be considered, USAGM would have to reform itself by 1) merging its elements into a rebranded whole, and 2) enshrining its journalistic independence, especially by re-establishing a bipartisan board to serve as a firewall.

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

Attention! You have until 11:00 pm EST March 3rd to register for NASWA's 36th annual Winter SWL Fest brought to your shack via the

ZOOM platform. It's just \$5US. Details and registration are at swlfest.com.

SHORTWAVE'S FUTURE

Debating the Impact of BBC World Service Cuts

Radio World
By James Careless
January 30, 2023

In September the **BBC World Service (BBCWS)** announced significant service cuts and "around 382 post closures," or job losses, as the once-powerful global shortwave radio broadcaster copes with its latest round of budget cuts.

"High inflation, soaring costs and a cash-flat License Fee settlement have led to tough choices across the BBC, and the BBC's international services need to make a saving

of £28.5 million, as part of the wider £500 million of annual savings and reinvestment to make the BBC digital-led," the organization wrote in a news release.

"Digital-led" in this case translates to cutting shortwave services in favor of online content, which doesn't require the hefty expense of power-hungry SW transmitters and expansive antenna farms. The BBCWS' Arabic, Persian, Kyrgyz, Uzbek, Hindi,

Bengali, Chinese, Indonesian, Tamil and Urdu radio broadcasts were cancelled.

Although shortwave broadcasts from BBC News services will continue in Afaan Oromoo, Amharic, Burmese, Dari, French, Hausa, Korean, Pashto, Somali, Tigrinya, Kinyarwanda and Kirundi, the service cuts are another major blow to shortwave's reputation as a source for reliable global news and information accessible by cheap, hard-to-block radio receivers.

The cuts are the latest in a long-running move away from global airwaves. In 2011 about 650 **BBCWS** jobs were lost due to budget cuts. "Radio broadcasts in China, Russia, Ukraine and Turkey will be axed, and shortwave broadcasts will cease in Hindi," the Guardian news website reported at the time. **BBCWS** had cancelled direct English-language SW broadcasts to North America in 2001.

The Russian invasion of Ukraine did motivate the **BBCWS** to resume four hours daily of English service, though not in Ukrainian or Russian, to Eastern Europe in 2022.

Anticipated Loss

Resigned acceptance was the uniform reaction among observers of the international radio scene.

"Unfortunately, I am not greatly surprised," said Jeff White, co-founder and general manager of **WRMI** in Okeechobee, Fla., the largest privately-owned shortwave station in the western hemisphere. "This is a continuation of cuts by the **BBCWS** and many other 'government' shortwave stations around the world in recent years who think that they can save money by eliminating shortwave and replacing it with only an internet service."

Gilles Letourneau, influencer on the *OfficialSWLchannel* on YouTube and co-host of the weekly *International Radio Report* program, said, "With the license fees going away, it is obvious they needed to find money somewhere."

"This was predictable given the license fee losses," said Dan Robinson, former **Voice of America** White House and foreign correspondent.

"Honestly, no reaction," said former international broadcaster Keith Perron. "Except it was about time."

"VPNs Get Around This"

As readers well know, the value of SW broadcasting has been a topic of debate for years, revived recently with the deployment of some service into Russia and Ukraine by state broadcasters as well as publicly funded groups using pay-for-airtime transmission facilities such as those offered by **WRMI**.

Supporters of shortwave's use in the 21st century generally will point out that it is the only medium that can cut through censorship imposed by China, Russia and other countries that tightly control domestic internet, radio and TV traffic.

More commonly expressed, though, is the opinion that shortwave's use is limited to a small group of hobbyists while pretty much everybody has moved to the internet. State censorship, they say, can be outwitted using Virtual Private Networks and the Dark Web; they see no reason to spend big money to maintain the medium.

However, "A digital-only world is great if it goes through," said Letourneau. "The problem is that many countries have little access to the internet, and China blocks the

BBC online. Without shortwave radio, the Chinese population will be left in the dark.”

“The cuts will be severe,” said Sheldon Harvey, president of the *Canadian International DX Club*, a SW listening hobbyists’ association. “Many Arabic and Chinese language speakers access BBC, both in their languages and in English, via radio, and they may not have access to digital services.”

But Robinson and Keith, both of whom have deep roots in SW radio and an undeniable love of the medium, see the matter differently.

“At first glance, BBC’s halt in radio output in 10 languages, including Chinese, Hindi, Arabic as well as Persian, might appear draconian,” said Robinson. “But one has to question the extent to which the BBC, or the U.S.-funded U.S. Agency for Global Media [which operates the **VOA**], actually had large numbers of listeners in these target areas.”

“I can’t speak for the Arabic world,” Perron said. “But for the Chinese world, it won’t make much of a difference, as people in China want news from sources other than CCTV, CNR or print. The Chinese do block certain foreign news websites, but it is futile. VPNs get around this. And then you have other apps where BBC News content is available, such as the BBC Chinese TikTok channel, Telegram and YouTube, as well as many more.”

Yet John Figliozzi, editor of the *Worldwide Listening Guide*, said that while he appreciates the point about VPNs, “That is risky in places like China that are always doubling down on restricting access to ‘unapproved’ media sources. Shortwave’s most important attribute today beyond its free availability is its ability to punch through interdiction efforts anonymously.”

Soft Power

One of the values of the **BBCWS** during the Cold War — along with vanished SW broadcasters such as **Radio Canada International**, **Radio Netherlands Worldwide** and **Radio Moscow** — was its ability to serve as a form of extension of influence of its government.

“Every time they make more of these cuts, it diminishes the diplomatic soft power of the BBC,” said White. “This panoply of cuts will diminish it greatly.”

“The **BBCWS** likes to call themselves the World’s Radio Station,” Letourneau said. “Unfortunately, by cutting service to a big part of the world population, it is less true.”

But governments have been cutting international SW broadcasting as far back as the 1990s, when the Cold War was believed to have been “won.” Compared to the 1980s, today’s airwaves offer far fewer program choices save for diehards such as **Radio Havana Cuba**, **Radio Romania International** and **Radio New Zealand Pacific**, along with private stations such as **WRMI** and a host of religious broadcasters.

The steep drop in choice has motivated many former listeners to move to TV and the web. Critics say the trend also has stunted the use of the Digital Radio Mondiale transmission standard on shortwave, which remedies the static, signal fading and poor audio quality of analog SW broadcasts.

Because of the lack of audience, Perron — whose SW broadcast credits include **Radio Canada International**, **Radio Havana Cuba**, **Radio Netherlands**, **Deutsche Welle Africa Service**, **China Radio International** and the **BBC World Service** in three languages — thinks the notion of soft power is of little consequence.

“If you had asked me about this in 2010, I would have said that this is the wrong time,” Perron told *Radio World*, but now, “It’s a very good decision. If the **BBCWS** wants to continue to be relevant, this needs to be done. Compared to others, the BBC has been very slow in this regard, and they are finally catching up.”

Yet longtime SW devotee Sheldon Harvey counters that despite the spread of the web and mobile phones, “millions of people on the planet still rely on radio for news, information, entertainment and education. More and more each day, people are losing access to this important medium.”

Meanwhile, a subsequent development in December would seem to suggest that hoping

for an expansion of BBC OTA services in any form is probably forlorn.

BBC Director-General Tim Davie gave a speech before the Royal Television Society in which he said the United Kingdom and the BBC must begin work today to prepare for an internet-only future. (*See February’s SWC for full text - ed.*)

“For the BBC, internet-only distribution is an opportunity to connect more deeply with our audiences and to provide them with better services and choice than broadcast allows. It provides significant editorial opportunities. A switch-off of broadcast will and should happen over time, and we should be active in planning for it.”

BBCWS’s Oldest Foreign Language Service Shuttered

The Economist
February 2nd, 2023

On the hour for 85 years the chimes of Big Ben have sounded across the Arab world, a rare certainty in a region rife with war, revolution and repression. And then the sonorous tones of the presenter, saying “Huna London” (“This is London”) at the start of each news bulletin.

No more. On January 27th the British Broadcasting Corporation silenced its oldest foreign-language radio service, BBC Arabic. Many of the World Service’s 40-odd language broadcasts face the same fate. Staff say they have been told that by March the BBC will have stopped television transmission in Somali, Hausa and French for Africa, as well as radio output in Chinese and in the languages of Central Asia and the Indian subcontinent (not including Afghanistan).

About a sixth of the World Service’s 2,500 jobs are to go.

The bottom line is to blame. In 2014 the Foreign Office stopped core funding for the World Service, leaving the BBC to foot over 75% of a roughly £400m (\$493m) annual bill. The freezing until 2024 of the license fee, the corporation’s main source of funds, has made the strain intolerable. “How far is it appropriate for audiences in Leicester, for example, to continue picking up the tab for services in, for example, Lagos?” asked Richard Sharp, the BBC’s chair, speaking at a recent event for the Whitehall & Industry Group, a charity, above an alley called Little Britain. Without government funding, he warned, “the future of the World Service is in jeopardy”.

Previous rounds of cuts have already depleted morale. Training has been pared back. There are fewer big interviews and scoops, more grammatical errors. Voluntary redundancies have hastened the departure of experienced staff. "You're wiping out the collective memory of your organization," says Pierre Vicary, who heads the National Union of Journalists.

The BBC will continue to make foreign-language content, but more of it will be produced offshore and more of it will be distributed online, where consumption is growing fastest. The BBC says that hiring in regional bureaus saves money and brings content closer to its audience. It will also bring journalists closer to repressive governments. Staff in Cairo, Egypt's capital, for instance, are subject to surveillance and have been hauled in for questioning. The BBC has told union leaders they cannot represent staff hired abroad.

Online content, though in growing demand, will also leave audiences stranded in countries where governments shut their people behind firewalls. Staff at the Persian service are aghast that the BBC is taking Persian radio off air in March, and is going

online just as the Iranian authorities have cut the internet to silence nationwide protests. Audiences in countries with low and slow internet coverage will also suffer.

The World Service insists it retains the loyalty of its audience. Some 60% of Nigerians consume BBC news every month, it says, compared with 9% who consume content from China's state-run CGTN and 2% for Russia's RT. But as the BBC withdraws, autocrats may seize ground that has been vacated. Iran International, a Saudi-funded broadcaster in London, has tempted many BBC Persian staff away by dangling higher salaries.

Over time, warns Mr. Sharp (whose own dealings with the politicians who appointed him are under scrutiny), trusted independent journalism could fall victim to the disinformation age. "The Russians and Chinese are together investing billions of dollars in their state-backed services, massively expanding their operations across Africa, South America and the Middle East," he says. The BBC has in effect handed the problem of how to respond back to the British government.

Broadcast Radio: The Most Reliable Medium for Disaster Updates

International Telecommunication Union News
13 Feb 2023

Radio is a powerful medium for cooperation and peace, with the widest global audience. As partners worldwide celebrate World Radio Day, **ITU-R Study Group 6 chair Yukihiro Nishida** explains the enduring advantages of radio broadcasting in emergency and disaster situations.

How has radio broadcasting enhanced communications in disaster zones?

In every kind of emergency, the public needs accurate information quickly.

Instances include natural disasters like tornadoes, hurricanes, tropical storms, floods, snowstorms, earthquakes, and

tsunamis, as well as cases of terrorist violence, mass transportation accidents, and industrial and technological catastrophes. All these situations call for informing people as rapidly and comprehensively as possible.

Radio became part of governmental emergency plans more than a century ago – as soon as broadcasting became available as a mature technology. Since then, radio has proven agile and effective to spread information widely in critical situations.

Radio ensures the fastest provision of information to the public. Its life-saving role remains widely recognized, as confirmed by surveys conducted after recent disasters.

How can radio broadcasting operate effectively when infrastructure is destroyed?

When emergencies occur, people expect – and are prepared to receive – broadcasts through small battery-powered radio receivers. Radio receivers are inexpensive and require no access fees.

So, radio broadcasting in either AM (amplitude modulation) or FM (frequency modulation) signals is still the most reliable way to obtain trustworthy, high-quality information every time, everywhere.

Firstly, the broadcast infrastructure for radio is highly robust and usually remains operational even when other communications technologies – such as two-way voice and data services – fail.

Secondly, broadcasters typically maintain an emergency plan, along with the necessary facilities, to keep their signal on the air and their newsgathering units and studios powered and operational in disaster situations.

The mandate of public broadcasters normally includes the placement of spare transmitters and local power generators at key sites to ensure continued operation for a long time, even when other essential infrastructure is lost.

Any adequately equipped radio station can also set up local broadcasting sites to provide regular and trusted information. Many broadcasters are equipped to quickly install small, mobile, self-powered AM and FM transmitting stations in a crisis area.

What are the implications of more recent advances in radio broadcasting technologies?

Digital Audio Broadcasting (DAB/DAB+) and other new technologies enable the appropriate authority to automatically tune people's radio receivers to emergency channels. Radio distribution can therefore be fully integrated with public alert plans.

Digital Radio Mondiale (DRM) natively supports emergency alert signaling (DRM Early Warning Functionality, or EWF) for immediate mass notification in case of impending disasters. DRM receivers are triggered to re-tune automatically to an emergency transmission (including optional auto-switch-on) while flashing the screen and increasing the audio volume.

But older technologies also continue to be useful.

Regardless of evolving technical platforms, people rely on radio – especially from public broadcasters – for credible information, especially in times of crisis. Public service media represent the most trusted news brands in many countries, with radio still being the most trusted way of accessing news.

Despite the proliferation of digital communications in recent years, trust in social media networks and sources has declined, while trust in legacy media, including radio, has remained stable or even increased.

How can public authorities use high frequency (HF) radio broadcasting services to inform citizens during emergencies?

Many international broadcasters have joined the International Radio for Disaster Relief (IRDR) program under the umbrella of the High Frequency Co-ordination Conference (HFCC), which supports informal co-ordination of frequency channels for short-wave radio broadcasts.

The unique propagation conditions of short waves allow radio broadcasts over long distances, hundreds or even thousands of kilometers from the broadcasting station – a crucial asset when local infrastructure is damaged or completely gone.

In 2022, the ITU Radiocommunication Sector (ITU-R – one of three sectors of the International Telecommunication Union) updated *Recommendation ITU-R BS.2107 “Use of International Radio for Disaster Relief (IRDR) frequencies for emergency broadcasts in the High Frequency (HF) bands.”*

Based on the Radio Regulations and the relevant output of the HFCC, this Recommendation lists 10 frequencies between 6 megahertz (MHz) and 26 MHz that should be reserved globally for 24 hours a day, 365 days a year, for emergency broadcasts.

In emergencies, those frequencies are available for use in accordance with the Radio Regulations, the treaty maintained by the International Telecommunication Union

(ITU), as the United Nations specialized agency for information and communication technology, to coordinate specific frequency allocations worldwide.

How can radio broadcasting in the 21st century contribute to international cooperation and peace around the world?

Throughout its 158 years of history, ITU has played a central role in advancing the use of radio worldwide, establishing and updating international regulations on the use of the radio-frequency spectrum and satellite orbits.

ITU is the custodian of the global treaty on spectrum management known as the Radio Regulations.

Updated in a global conference roughly every four years, this treaty facilitates equitable access to and rational use of the radio spectrum, ensures the availability of frequencies provided for distress and safety purposes, and promotes interference-free operations of the myriad radiocommunication systems.

ITU and its membership produce technical standards, referred to as ITU-R Recommendations, that support and encourage the advancement of each country’s radio broadcast system. Key ITU-R recommendations range from transmission standards for AM, FM sound broadcasting, systems for terrestrial digital sound broadcasting, and vehicular, portable, and fixed receivers, to the use of international radio for disaster relief (IRDR) frequencies for emergency broadcasts.

Today, radio remains the medium to reach the widest audience, even as this tried-and-true technology is evolving to work in new forms, with new devices. This makes radio a key tool for international understanding –

but not just at the national level. The collaborative spirit reaches diverse localities with well-loved community radio stations.

In tribute to this vital medium for cooperation and peace, ITU joins with the UN Educational Scientific and Cultural Organization (UNESCO) and numerous national, regional and international broadcasting associations and organizations in celebrating World Radio Day.

Non-governmental organizations, media organizations and outlets, and citizens, for their part, have formed further partnerships to celebrate radio broadcasting, improve international cooperation among broadcasters, and encourage decision-makers to create and provide access to information through radio services.

Radio is a powerful medium for celebrating humanity in all its diversity. All countries are encouraged to mark the occasion of World Radio Day on 13 February.

SHORTWAVE IN THE MOVIES

Czechoslovak Radio in 1968 Invasion Setting for New Film by Jiří Mádl

Radio Prague
By Ian Willoughby
February 10, 2023

Czechoslovak Radio saw some of the most intense violence when the USSR led an invasion of the country in August 1968. That traumatic moment and the preceding Prague Spring period are the setting for a new film, *Vlny/Waves*, now being made by well-known actor-writer-director Jiří Mádl. I discussed the project with him at Czech Radio this week.

Where can we learn more about radio broadcasting as part of disaster preparation and response plans?

An ITU-R report, *“Broadcasting for public warning, disaster mitigation, and relief” (ITU-R Report BT.2299)* examines the role of broadcasting in crisis situations in more depth.

In addition, an upcoming workshop co-organized by ITU-R Study Group 6 and the European Broadcasting Union (EBU) on *“Broadcasting in times of crisis – 2023”* will highlight experiences, lessons learned, and best practices in emergency broadcasting. The workshop takes place on 9 March and is open to media and the public.

Also see the ITU-R Study Group 6 chair’s technical perspective on broadcast services for the World Radiocommunication Conference (WRC-23) taking place in Dubai, UAE, between 20 November and 15 December 2023.

“The main focus is on two brothers, and I’d say that the main topic is taking care of your loved ones in hard times.

“The story takes us through their relationship, where the older brother is hired under strange circumstances into this very high-profile newsroom – a group of journalists.

"That puts him in danger, which he doesn't want; he was trying to avoid any kind of danger in the '60s, which was a hard time for journalists and for freedom of speech in general.

"So, he doesn't really want to work for the heroes, he wants to be hidden - but he's there."

How did you research this story?

"I researched this story with the great help of Czech Radio, of all the workers that I met eight years ago [when the project began].

"They really opened doors for me, not only to the archives but also to the real journalists who were still alive at that time; so, I was very fortunate to get to speak to them.

"Then the story simply evolved and unfolded for me later when I was speaking to them.

"I think that through this film I'm bringing something very new, not only to the history of Czech Radio but also to the history of the Czech Republic as such."

We're here at the historical building of Czech Radio on Vinohradská St. How much will you actually be filming in this building?

"Not very much actually [laughs], because it only has some features of that time and we'd

have a hard time avoiding the modern stuff that belongs to this building, naturally.

"But we will have, like, a day or two here, shooting especially in front of the building, where actually the turmoil was happening, and then a little bit in the inside."

This was of course a very important moment in Czech history. How much pressure do you feel to get it right?

"A lot [laughs]!"

"But I'm a filmmaker, I'm not a making a documentary.

"I feel the need to actually move some of the things on timeline, so that I can really tell a story in a thrilling way, not too boring.

"So, I changed some of the facts, but not very much.

"I still believe that I'm bringing fully, and nicely, the spirit of the time and the group of journalists that I'm talking about."

When can we hope to see this movie at the cinema?

"I'm hoping... or actually now we're contracted to deliver it [laughs] in I guess April 2024 or something.

"But I can't really tell - my producer knows more."

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!



Retro Review: Barlow-Wadley XCR-30

With Craig Seager, VK2HBT
(Australian DX News)

So, who would have thunk it? A review of a serious portable communications set – not made in Japan, the U.S, England, Taiwan, or Germany, but which sold in volume through various versions over a long period. Indeed, I'm not aware of any mainstream DX sets other than the **Barlow Wadley XCR-30**



The Barlow Group was a fully integrated manufacturer of industrial goods, also with long tentacles into other diverse industries – consumer electronics included through its subsidiaries; however, it is interesting that the **XCR-30** came from Barlow's Television Company, at a time well before TV had even started in South Africa (that didn't happen until 1976). Enter stage right some smart RF technology courtesy of South African inventor Trevor Wadley, who had honed his Wadley Loop methodology whilst working in England for Racal. But could it be implemented in a portable with the same success as such icons as the **Racal RA-17**?

Superheterodyne receivers became common during the 1930s and were considered a considerable step forward from the earlier regenerative sets, which howled and moaned whilst one sought to optimize gain and selectivity. Image rejection (or lack of it!) could be problematic, however, and double conversion designs were increasingly used in professional and military applications, in order to give dial accuracy and greater stability for CW and SSB reception. Filtering and switching were somewhat onerous, though, and selection of the first I.F was critical. The Wadley Loop alternative used a single 1 MHz crystal, the output of which is fed into a harmonic generator, passed through filters and mixed through what is effectively a triple conversion design. The user experience is one knob for the MHz step, only coarsely tuned, and a separate control for fine adjustment of the kHz. Receivers using the Wadley Loop were never "image free", but sure were superior to early

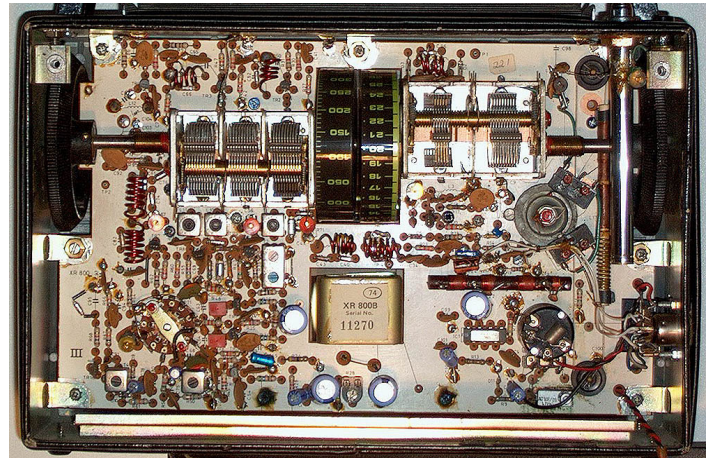
boasting South African heritage, so we can start our journey on that unique premise. But indeed, who were Barlow and Wadley, and why did they lend their names to such a receiver?

Rewind the clock back to 1966, well before the widespread anti-Apartheid sanctions of South Africa goods, and plans were put in motion to build a new R500,000 factory at New Germany, Natal, which was expected to provide work for 450 people. This was taking advantage of the burgeoning FM radio industry in the country, but also assembling for the likes of Japan's Matsushita Electrical (of Panasonic fame).

synthesized sets, which afterwards became the norm.

Receivers employing the Wadley Loop were: **Racal** RA-17, RA-117, RA-217, RA-1217, RA-1218; **General Dynamics** R1051; **Drake** SSR-1, **Yaesu** FRG-7, FRG-7000; **Realistic** DX-300, **Lowe** SRX-30; **Century** 21; **Standard** C-6500 - and one lone portable, the **Barlow Wadley XCR-30**. The advantage afforded was an ability to tune said receiver to a dial accuracy of 5 kHz, not something to be sneezed in that era, especially on a portable.

From the original version in 1969, the **XCR-30** covered (as one may deduce) up to 30 MHz in 30 1 MHz segments. It was fully transistorized; the later Mark 2 had an IC added, and a different transistor line-up. The front panel is headed up by an analogue frequency display bracketed by the dual tuning knobs (MHz and kHz), an antenna trimmer, volume S-meter, fine tuning, mode switch (USB, AM, LSB), and an SSB clarifier. There is an in-built rod antenna, as well as a socket for an external wire (some



overloading may be the result of using that). 6 x D cells power the set, or an external supply of 7-12V (regulated) – center pin negative! On the side you will find jacks for power and earphones.

In terms of performance, the **XCR-30** acquitted itself quite respectably for its time; sensitivity of 1µV, and AM selectivity 6 kHz (3 kHz SSB). Many folks even used these for mediumwave work. The late Robert Chester, ARDXC life member and long-time mediumwave section editor swore by his weather-worn example, and regularly logged foreign DX with it from his home in Adelaide.

SHORTWAVE PODCAST/LITERATURE

KSFR Speaks with Former Voice of America Director Mark Pomar

KSFR | By Kevin Meerschaert
Published October 11, 2022 at 12:24 PM MDT
Listen: 32+ minutes

KSFR's Kevin Meerschaert speaks with Mark Pomar, author of the book *Cold War Radio* in the offices of Global Santa Fe.

His new book *Cold War Radio* digs into the programming by the **Voice of America** and its role in the fall of the USSR.

As the former assistant director of the Russian Service at **Radio Free Europe/Radio Liberty** and director of the USSR Division at the **Voice of America**, Mark Pomar witnesses great changes in US-Soviet relations.

<https://www.ksfr.org/interviews/2022-10-11/ksfr-speaks-with-former-voice-of-america-director-mark-pomar>

The Robinson Report

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A New Appreciation of the Yaesu FRG-100



In recent issues, I have looked at receivers that I have gained a new appreciation of in recent years. This month I continue this ride with a new appreciation of one that for many DX'ers was slotted into the "budget" or intermediate category: the Yaesu FRG-100.

In the late 1990's after returning from two periods overseas as a VOA correspondent, I started acquiring receivers that I had never owned before. The FRG-100 was one of those. Foolishly as I now look back, I ended up selling the one I had at the time.

At one point later, two FRG-100s in unopened box condition came into my possession, one from 1995 production, the other from 1997 (see: <https://swling.com/blog/2021/10/ebay-find-new-in-sealed-box-yaesu-frg-100-receiver/>) I am currently operating one of those two sets, and base this commentary on that.

The FRG-100 was Yaesu's attempt to compete with a number of receivers from other manufacturers, including the Yaesu FRG-8800 and others. Reviews can be found

online at eHamnet (<https://www.eham.net/reviews/view-product?id=476>), MWCircle (<https://mwcircle.org/legacy-receiver-reviews/receiver-review-yaesu-frg-100/>), and by Rob Wagner (<https://medxr.blogspot.com/2018/05/retro-receiver-review-12-yaesu-frg-100.html>).

At the time, we were still in a wonderful world where manufacturers competed against each other for SWL dollars. Drake had its R8 series, JRC had its NRD-525/535, and ICOM the IC-R71A. The portable market was still hot, with the SONY ICF-2010, Panasonic RF-B65 and various Grundig Satellit sets all in the competition.

But the JRC receivers ended up at over \$1,000 with options. The R8 series was in a similar range. Then Yaesu came along with what was described as a budget-friendly receiver: it lacked features that other sets had, including Passband Tuning, a notch filter, and keypad entry. There wasn't even an RF gain control.



Which brings me to why I now have a renewed love affair with the FRG-100: this receiver just WORKS wonderfully. It has high sensitivity, a beautiful front panel display that's easy on the eyes, display resolution of 10 hz, 100 hz, or 1 khz (full 10 hz resolution only in SSB/CW), dual clocks, three step attenuation, and despite the lack of a keyboard, a FAST/SLOW tuning (similar to that found on a Kenwood R-5000) that makes moving through the bands very easy.



But it's what Yaesu included behind the scenes that really impresses. Though the FRG-100 has only three bandwidths (displaying as 2.7, 4 and 6 kHz) a button combination enables each to be used in AM or SSB by turning the MEM selection knob. Installation of an optional narrow 250 or 500 Hz filter improves CW reception.

Additionally - and probably the most impressive thing for me about the FRG-100, there is a PLL offset function that allows the user to adjust the 1st local oscillator by +/- 3kHz. Think of that - instead of having to go inside the receiver to find some small adjust point, the receiver can be fine calibrated from the front panel! We didn't see something like that until Tecsun provided recalibration on portables such as the PL-330/990/501. There is also selectable

CW sideband and reverse BFO offset, along with adjustable SSB carrier frequency offset.

Options for the FRG-100 include a TCXO that improves stability (currently, one Ebay seller offers units that he claims are better than the Yaesu TCXO-4 which is often hard to find on the used market). There is the aforementioned CW filter (these can still be found on Ebay). Yaesu also provides a beautiful laminated world time zone card that stores underneath the radio. The FM card option is hard to find.

Among the rarest of options on the used market, someone in France once offered a keypad that could be plugged into the back of the FRG-100 to provide instant selection of frequencies - these have pretty much disappeared from the used market. Occasionally, Ebay presents some real surprises, such as NOS (New Old Stock) FRG-100 front panels and cabinets I was able to obtain a few years back.



What impresses me on a daily basis in regular use is the FRG-100's stability and clarity. I currently have my 1997 production unit sitting atop a Watkins Johnson 8716 - anything that the WJ hears, so does the FRG-100. Stability is enhanced with the TCXO-4, but frankly I have not noticed a huge difference in this regard.

Where portability is concerned, the FRG-100 really shines. With its side handle, the radio

is light as a feather. Handling some portables, such as a H-501x or older Grundig SAT 500/700 is more of a challenge – and remember, here’s a receiver that uses actual classic filters rather than DSP. See Rob Wagner’s commentary for a good example of how valuable the FRG-100 can be in a mobile situation.

What is interesting to me is that most if not all YouTube videos showing FRG-100s do not demonstrate the tremendous flexibility provided by the hidden menu options enabling use of any filter in AM and SSB, nor do they show the adjustable oscillator, and CW offset.

New owners of a FRG-100 should definitely plan to have the manual handy because it’s easy to forget which button combinations do what, such as the SET/SELECT press which enables filter selection, or turning the BEEP tone off. Some functions are achieved with a button press combined with powering the radio on, similar to options seen on JRC sets.

What about availability? At any given moment, FRG-100s are plentiful on Ebay and seen frequently elsewhere on the used market. Prices depend on condition. Unfortunately, these receivers often show signs of cosmetic damage. If you’re searching for one, ask sellers for photographs and full histories, including information about options installed. It’s quite rare to find FRG-100s new old stock. I found both of my units NOS, but they appeared several years apart. Expect to pay in the \$500 to \$700 range for one in this condition.

A brief note on the well-known debate over the FRG-100B version of the receiver. To hear some describe it, Yaesu improved filtering in later versions of the receiver, though this was never reflected on front or back panels as “B” version.

In the SWLing.com article about the NOS 1997 production unit I found, one person stated: “There’s no such thing as a “B” anyway – just a running production change to the AM filters somewhere amongst a certain group of serial numbers, that mostly from spec-peeping hype has become some legendary ‘improvement’.”

Another person: “...there’s more than just some hype to it -- actually, the narrow filter remained the same (CFJ455K15) but the original Murata intermediate and wide AM filters (CFW455 -I and -H) were unanimously criticized for being too wide and and/or their shape not being great. Spectrum Monitor: “the original version’s three filters measure (at -6/ -60 dB) 7.6/17.9, 6.9/17.2 and 2.6/3.7 kHz”. So even the “intermediate” filter probably had a problem with. . .5 kHz channel spacing on the SW broadcast bands. Yaesu then used supposedly better NTKK filters (LF-H2S-3Y and LF-H6S 37) at some point. . .The ‘B’ designator was indeed only used by U.S stores and...there is no known definitive serial number marking the change . . .For most listening and Dxing there’s not really much difference – the narrow filter is somewhat better in the so-called “B”s, though the wide is much the same – but if you care much about what difference there is, you’re probably interested in SSB CW, FSK, or similar anyway and would be better off installing a suitable aftermarket filter.”

Produced for roughly 13 years, the FRG-100 is a good example of a receiver that brings enormous bang for the buck, similar to the Ten Tec RX-350 I discussed in a previous NASWA journal. Yaesu came up with a beautiful design – simple yet attractive and sophisticated, with hidden features that are not readily apparent, which explains why many people overlook the true capabilities of the FRG-100.

Looking back, I am sorry I ever sold the FRG-100 I originally had in the late 1990s, but now I am very glad I re-acquired the radio (two of them). The FROG 100 is an example

of a classic receiver that makes it VERY easy to hear whatever is still to be heard here in 2023, and physically the receiver is a joy to tune.

Listener's Notebook

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Times are UTC and frequencies in kHz.

ANTARCTICA An Argentine ham radio Whatsapp group posting via LU6FLZ reports that Alejandro Álvarez, LU8YD is currently traveling to Esperanza Base in Antarctica. He will be working on the modernization of the Esperanza base shortwave station LRA36 (15476) where they hope to inaugurate their new 10 KW transmitter and new antennas by 2024. They will also install a 250W FM and a 1 KW shortwave Collins plus a 6m FT8 radio beacon designed, built and donated by Andres LU3HO. Alejandro LU8YD is carrying his Icom 7000 field station + Expert 1300w Linear Amplifier and notebook. His activity will be from 160 to 6 meters as *LU1ZV*, the main modes will be SSB and Digital. His main focus will be on WARC and 160, 60 and 6m bands. He does not carry antennas, he will see what he can put together but will have the LRA36 rhombic antenna available. In APRS he is as LU8YD-9. (Horacio Nigro-Uruguay CX3BZ/DXplorer) Evidently the primary adjustment work to the transmitter has improved low modulation issue. Today (Feb 3) news via Adrian Korol add this additional information: From Radio Nacional Resistencia they are sending by land a repaired 1 kW Collins HF80 to Base El Palomar and then flying it in a Hercules aircraft to Antarctic Base Marambio and from there by helicopter to Esperanza. If everything goes well they will be loading it from the heliport in the Unimog and we will

lower it with the Arcangel San Gabriel bobcat to the radio with the purpose of leaving that 1 KW transmitter until next summer when we will have a new solid 10 KW. Much better reception in Chile and the southern America area reported today. (Horacio Nigro-Uruguay CX3BZ/DXplorer) See related posting under Argentina, below. (RAD)

15476usb, LRA 36, Radio Nacional Arcangel San Gabriel, Base Esperanza, 1745-2040, 04-02, checking from 1530 but no signal here until about 1745 with non stop songs in Spanish. Very weak and strong fading, audible at times at first, but improving a lot from about 1900 and much more later, with clear and stable signal, non stop songs in Spanish and some of them in English, at 2003 Morse code, program "Uniendo Voces", ID "A partir de este momento transmite LRA 36, Radio Nacional Arcangel San Gabriel en Espanol??, comments and songs. "Buen dia, buenas noches, buenas tardes, dependiendo del lugar del mundo en donde se encuentren, transmitiendo LRA 36", comments about "Malvinas y malvinizar". "LRA 36 es la emisora estatal de onda corta en la" "grados celisius en la Base y una sensacion de 3 grados", at 2025: "Transmision en vivo desde LRA 36, Argentina" ... "El Panorama Nacional de Noticias por LRA 36 Nacional y sus 49 emisoras uniendo al pais" ... "Continuamos Uniendo Voces". From 1900 SINPO 25432 and from 2000 SINPO 35433. (Manuel Mendez-Spain/Hard Core DX)

ARGENTINA LRA36 Radio Nacional Arcangel San Gabriel. In the next week we will receive a 1 kw power amplitude modulated transmitter that has been calibrated for what will be our new frequency at 15.475. We will be announcing test broadcasts of the new equipment in due course. Also, once the improvements and survey of the complete audio and transmission system are finished, we will proceed to make a technical report that will be taken into account for the acquisition during this year of a 10 KW transmitter equipment that will be destined to LRA36 to be put into operation during the next summer campaign (January 2024 surely). Likewise, the 10 kW CCA transmitter that was out of service has been completely dismantled and will be transferred to Radio Nacional's transmitter site at General Pacheco so that, once it will be repaired, will be at the service of RAE Argentina al Mundo, thus recovering RAE's shortwave output from our own transmitter plant, a possibility that will be made possible thanks to RAE's technical and human team and especially to Jeff White, who, by strongly supporting RAE's continuity, will be able to provide the service of RAE Argentina al Mundo. The support offered all these years via WRMI relay, was of fundamental importance for the authorities to understand that beyond all the technological advances, shortwave is still necessary, and that a true public media today must be heard in a Zenith Transoceanic, in a Sony ICF5900W, in a TECSUN, as well as in Radiogarden or in the latest radio app for iOS. Adrian Korol, RAE Director (roughly translated from Spanish and forwarded to you by Horacio Nigro-Uruguay/DXplorer)

ARMENIA TWR India in Hindi and FEBA Pakistan in Urdu via CJSC Yerevan, February 1:
1415-1430 on 9965 Hindi Mon-Fri
1500-1530 on 9965 Urdu Daily (DX Mix-Bulgaria)

11870, BBC (Yerevan) at 0328 in Pashto, man speaking, 0329 BBC ID, mention Pakistan, 0330 English ID and website, then off. Fair, Feb. 3. (Harold Sellers-BC/DXplorer)

ASCENSION ISLANDS 7285, BBC at 0525 in English with story and interview with man making trips into North Korea. Good, Feb. 9. (Harold Sellers-BC/DXplorer)

15410, BBC Afrique via English Bay, F/D EQSL
E-mail: ops.asc@encompass.co.ac V/S: Kyla Benjamin, Communications Technician. (Antonello Napolitano-Italy/DX Fanzine)

AUSTRALIA Reception of Reach Beyond Australia in Dzongkha via Kununurra, February 9:

1130-1145 on 15319.9v Dzongkha Tue-Thu/Sat/Sun (DX Mix-Bulgaria)

Reception of Reach Beyond Australia in Hindi via Kununurra, February 9:

1200-1215 on 11874.9v Hindi Tue-Thu (DX Mix-Bulgaria)

Reception of Voice of Martyrs in Korean via RBA Kununurra, February 17:

0900-0930 on 9860 Korean (DX Mix-Bulgaria)

Reception of Reach Beyond Australia in Rohingya via Kununurra on February 17:

from 1129 on 11865 Rohingya Daily (DX Mix-Bulgaria)

Reception of Reach Beyond Australia HCJB in Japanese via Kununurra, February 19:

1055-1100 on 11905 Reach Beyond Australia Interval Signal and ID in English

1100-1130 on 11905 Japanese Sat/Sun (DX Mix-Bulgaria)

5045, Bay Islands Radio, on Feb 16; again randomly heard 1118-1346; usual non-stop pop songs; not as good as yesterday's reception; so poor, unable to ID songs. (Ron Howard-CA/TopNews)

11825, Reach Beyond Australia via Kununurra in Nepali broadcast. Logged this station and send report with audio file, f/d eQSL arrived after 3 days for my email report to: radio@reachbeyond.org.au. V/s Margaret Penford. (Babul Gupta-India/Asian DX Review)

15380, Reach Beyond Australia, F/D e-QSL in 3 days. V/S Margaret Penford. E-mail address: radio@reachbeyond.org.au. (Michele Gasparri-Italy/DX Fanzine)

AUSTRIA Radio Magazine publishes a note on the current situation at the transmission center in Moosbrunn. Electricity prices have risen sharply and we understand the difficulties of running a transmission centre. Difficulties that are not solely related to the cost of energy. It should be noted that an operating license is only granted if at least one Austrian public radio program remains on the air. The transmitting center is free to sell airtime to other organizations. (Anatoly Klepov-Russia, RUSdx #1222 via BC-DX TopNews) On the transmitter side, the last 300 kW transmitter is also out of service. Only the 100 kW transmitters remain. On the customer side, during the invasion of Ukraine, ORF had decided to relaunch broadcasts for Austrians in Ukraine. This revival was short-lived: ORF has just put an end to broadcasts to Ukraine at the start of the year, only the symbolic transmission of the ORF program remains: a minimum to keep the licence. The main tenant, AWR, has seen its bill stabilise following the reduction in power from 300 to 100 kW and intends to remain loyal to the centre. Another player, Encompass opted out last year. BBC World's reduced emissions have prompted it to favour centres it owns and those with lower electricity costs. Other smaller customers scrutinise each month the prices of competitors: Santa Maria de Galera (Vatican), Kostinbrod (Bulgaria) and Gavar (Armenia)

which seem less affected by the crisis. (British DX Club)

Radio Pravda dlja Rossii in Russian via ORS Moosbrunn, February 17:
1500-1600 on 9745 Russian Sat (DX Mix-Bulgaria)

6155/13730 - The relay of the domestic service OE1 via Moosbrunn bcast center has been reduced. The morning broadcast was more than halved. The Sunday morning broadcast was stopped. The new observed schedule is:

0600-0633 (ex to 0720) hrs: 6155 Mo-Sa (no Su broadcast)

1100-1200 hrs: 13730 Mo-Sa; 1154-1157 English news bulletin 2min.35sec. (Hans-Peter Themann / Dr. Hansjoerg Biener-Germany, Jan 15/Worldwide DX Club)

6155, Österreichischer Rundfunk, F/D e-mail verification in 1 day. V/S: Christina Steinwender. E-mail: oe1.service@orf.at. (Rafel Grajeda-Mexico/DX Fanzine) 6155, Radio Öesterrich International (Moosbrunn) at 0602 in German, woman with news. Good, Feb. 9. (Harold Sellers-BC/DXplorer)

9630, Adventist World Radio (Moosbrunn) on the air at 0500 with music and woman giving English ID, into Hausa program. Fair, Feb. 9. (Harold Sellers-BC/DXplorer)

BANGLADESH Very strong signal of External Service of Bangladesh Betar via Shavar, February 7:

1220-1230 on 4750 open carrier / dead air plus strong transmitter hum and IS the station

1230-1300 on 4750 English, but with distorted audio & tx hum

1300-1315 on 4750 open carrier/dead air plus strong transmitter hum and IS the station

1315-1345 on 4750 Nepali, but with distorted audio & tx hum

1400-1430 on 4750 Urdu External Service of Bangladesh Betar - inactive from a long time
1515-1545 on 4750 Hindi, but with distorted audio & tx hum

1545-1600 on 4750 open carrier/dead air plus strong transmitter hum and IS the station

1600-1630 on 4750 Arabic, but with distorted audio & tx hum

1630-1730 on 4750 Bangla, but with distorted audio & tx hum (DX Mix-Bulgaria)

BRAZIL Rádio Voz Missionária, from Camboriú, Santa Catarina, Brazil, has been heard again, on 11750 (11749.4v) since 4th January in parallel with 5940 (5939v) and 9665 (9666v). The 11 MHz frequency had been inactive for several years. (Manuel Méndez-Spain/British DX Club)

Reception of Radio Saturno in Portuguese on new 6170 via Belo Horizonte, February 16: from 1004 NF 6170 BEL 005 kW Portuguese, ex 6150 (DX Mix-Bulgaria)

Reception of ZYE522 Radio Inconfidencia in Portuguese via Belo Horizonte, February 7: from 1100 on 15189.9v BEL 005 kW Portuguese (DX Mix-Bulgaria)

Radio Voz Missionaria in Portuguese via Camboriu SC, February 8 from 0807 on 11750 CAB 001 kW Portuguese (DX Mix-Bulgaria)

ZYE856 Super Radio Boa Vontade in Portuguese via Porto Alegre RS, February 20: from 1108 on 11895 PTA 001 kW Portuguese (DX Mix-Bulgaria)

4885, Radio Clube do Para, Belem, 0515-0725, 21-02, "Especial Carnaval", carnival songs. 25432. (Manuel Mendez-Spain/Hard Core DX)

4985, Radio Brasil Central, Goiania, 0539-0633, 21-02, Carnival songs. Strong teletype

QRM. // 11815. 21321. (Manuel Mendez-Spain/Hard Core DX)

5939.3, Voz Missionaria, Camboria, 0540-0558, 05-02, religious songs and comments. // 9665 and 11750. 34333. (Manuel Mendez-Spain/Hard Core DX)

6150, 0750, R Saturno reactivated (weekends only?). fair in PP on 6150.038m, pops, anncts, time checks, ID 0816 followed past 0830 22/1 but absent next day. (Bryan Clark-New Zealand/New Zealand DX Times)

6170, Radio Saturno, Belo Horizonte, 0542-0714, 21-02, Carnival and other Brazilian songs, ID "Radio Saturno". 15321. (Manuel Mendez-Spain/Hard Core DX) 6170, Feb 12, 0712, Radio Saturno, Belo Horizonte, comments, male, female. (Méndez-Spain/Shortwave Bulletin)

6180, Radio Nacional da Amazonia, Brasilia, *0759-0816, 04-02, comments, "Alo Brasil", program "Brasil Rural", Brazilian songs "Bom dia, bom dia, Brasil Rural". // 11780. 35433. (Manuel Mendez-Spain/Hard Core DX)

9550.1, Radio Boa Vontade, Porto Alegre, 2050-2113, 04-02, religious comments and songs. 15421. (Manuel Mendez-Spain/Hard Core DX)

9819.1, Radio 9 de Julho, Sao Paulo, 0654-0712, 05-02, religious songs and comments. 25322. (Manuel Mendez-Spain/Hard Core DX)

11750, Voz Missionaria, Camboria, 2103-2115, 04-02, religious comments. 34433. (Manuel Mendez-Spain/Hard Core DX)

BULGARIA Radio for Peace International to Afghanistan via Sofia from February 21: 0700-0715 on 15700 Farsi Tue/Thu and 0700-0730 Farsi Mon/Wed/Fri. (DX Mix-Bulgaria)

CANADA Good signal of CFVP Calgary 1060 AM in English via Calgary, February 7: from 1020 on 6030 CGY .01 kW English+Cuban jamming (DX Mix-Bulgaria)

6030, CFVP Funny 10-60 AM (Calgary) at 2315 with comedian, ID. Good, Feb. 6. (Harold Sellers-BC/DXplorer)

CHINA Additional B-22 frequencies of China National Radio via 5 txs in Nanning:

2025-2400 on 5985 Chinese CNR-1 Voice of China

0000-1000 on 11850 Chinese CNR-1 Voice of China

1000-1805 on 5965 Chinese CNR-1 Voice of China

2155-2400 on 6010 Amoy China National Radio CNR-6

0000-0500 on 11680 Amoy China National Radio CNR-6

0500-1100 on 11680 Hakka China National Radio CNR-6

1100-1200 on 11680 Chinese China National Radio CNR-6

1200-1605 on 6010 Chinese China National Radio CNR-6

2155-2400 on 5995 Chinese CNR-2 China Business Radio

0000-1100 on 11750 Chinese CNR-2 China Business Radio

1100-1605 on 6030 Chinese CNR-2 China Business Radio

2055-0030 on 9570 Chinese CNR-1 Voice of China

0030-1130 on 13630 Chinese CNR-1 Voice of China

1130-1605 on 9780 Chinese CNR-1 Voice of China

2155-0200 on 12010 Chinese CNR-1 Voice of China

0200-1000 on 13670 Chinese CNR-1 Voice of China

1000-1605 on 11775 Chinese CNR-1 Voice of China (DX Mix-Bulgaria)

CLANDESTINE New clandestine broadcasts via TDF Issoudun, however, no signal has been heard:

1900-1930 on 15380 Hausa Wed WRMI broker, February 15

0630-0700 on 11905 Hausa Sun WRMI broker, February 19 (DX Mix-Bulgaria)

New unknown BRB clandestine broadcast via TDF Issoudun:

1600-1630 on 15360 Amharic Tue/Thu/Sat.

Additional airing of New unknown BRB clandestine broadcast via TDF Issoudun:

1600-1630 on 15360 Amharic Sun (unregistered) plus other days Tue/Thu/Sat (DX Mix-Bulgaria)

Very good signal of NEXUS IRRS SW Arraata Biyyoolessa Oromiyaa in Afan Oromo via Galbeni, February 18:

1600-1630 on 15385 Afan Oromo Mon-Wed/Fri/Sat Oromia National Media (DX Mix-Bulgaria)

Reception of Raadiyyoni Dirree Shaggar in Afan Oromo via TDF Issoudun, February 13:

1600-1630 on 15410* Afan Oromo Mon-Fri * co-channel 15410 ORG 300 kW Arabic Holy Qur'an px TDA Telediffusion d'Algerie at same time (DX Mix-Bulgaria)

Reception of Voice of Oromo Liberation in Afan Oromo via MBR Nauen, February 19:

1700-1730 on 9610 Afan Oromo Wed/Fri/Sun (DX Mix-Bulgaria)

Radio DLSN Vietnam Democracy Radio in Vietnamese via Paochung, February 19:

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

Reception of Radio NUG of Myanmar in Burmese via Paochung, February 15:

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

Reception of National Unity Radio Free Chosun via Tamsui, February 10:
1100-1258 on 5900 Korean (DX Mix-Bulgaria)

Reception of Mizzima Radio in Burmese via ENC-DMS Dhabbayya, February 13:
1130-1300 on 17730 Burmese (DX Mix-Bulgaria)

Reception of Voice of Martyrs in Korean via RBA Kununurra, February 4:
0900-0930 on 9860 Korean (DX Mix-Bulgaria)

Voice of Martyrs in Korean via RRTM Telecom Tashkent, February 22:
1200-1230 on 9930 Korean (DX Mix-Bulgaria)

Voice of Martyrs in Korean via RRTM Telecom Tashkent, February 22:
1330-1400 on 9930 Korean (DX Mix-Bulgaria)

Voice of Martyrs Korea in English & Dhivehi via RRTM Telecom Tashkent, February 22:
1500-1530 on 11620* English/Dhivehi
*or probably 11620 KNX English via Reach Beyond Australia - Kununurra transmitter site (DX Mix-Bulgaria)

Voice of Martyrs in Korean on new frequency via RRTM Telecom Tashkent, February 22:
1530-1600 NF 7520 Korean, ex 7530 (DX Mix-Bulgaria)

Frequency changes of JSR Shiokaze/Sea Breeze via Yamata
1300-1400 NF 6145, ex 5930 as follows
1300-1400 NF 7345, ex 7280 as follows
1300-1330 Japanese Mon/Tue/Sat/Sun;
Korean Thu/Fri and English Wed;
1330-1400 Korean Thu-Sun; Japanese Mon/Tue and English Wed.
1600-1700 NF 6180, ex 6135 as follows
1600-1700 NF 7325, ex 5990 as follows
1600-1630 Japanese Mon/Tue/Sat/Sun;
Korean Thu/Fri and English Wed;
1630-1700 Korean Thu-Sun; Japanese Mon/Tue and English Wed. (DX Mix-Bulgaria)

Frequency changes of Furusato no Kaze in Japanese via Yamata
1405-1435 NF 6085 Japanese Dly, ex 6070
1405-1435 NF 7260 Japanese Dly, ex 7325
1705-1805 NF 6020 Japanese Dly, ex 7340
1705-1805 NF 7375 Japanese Dly, ex 7435 (DX Mix-Bulgaria)

9490, Radio República via Issoudun, N/D Verification letter in 1 day. V/S: Maria A. Lima, special Assistant to Program Coordinator. E-mail: info@directorio.org. (Marsan Theobald Fritzen-Brazil/DX Fanzine)

CONGO 6115, 0601-, Radio Congo Feb 5 Fair + reception with a fair amount of static crashes with quite rapid African accented French, or possibly just vernacular. Thanks to Manuel Mendez in Spain for pointing this one out. (Salmaniw-BC/DXplorer) 6115, Radio Congo, Brazaville, 0527-0543, 05-02, after 2 days without heard it in the morning or in the afternoon, today on air in the early morning. African songs, Vernacular, comments, mentioned "Congo". Checked few minutes after 0527 and out of air. 25432. (Manuel Mendez-Spain/Hard Core DX) 6115, tentative Radio Congo (Brazzaville) at 0555, sounded like a mix of French and vernacular language, man and woman speakers alternating, continued past 0600. Poor, noisy and weakening which would correspond to advancing sunrise in Congo at this hour, Feb. 9. (Harold Sellers-BC/DXplorer) Background: Chinese engineers made a good job in refurbishing the transmitter. Chinese engineers (and others) have a special interest in the mineral resources found in that state, lithium for example. (Walter Eibl-Germany/Worldwide DX Club) 6115, Radio Congo, Brazzaville, 0554-0614, 20-02, French, comments, African songs. 15421. Also heard 1803-1830*, 20-02, French, news ID "Radio Congo", at 1827 African song. 25422. (Manuel Mendez-Spain/Hard Core DX)

ECUADOR 6050, HCJB, Pichincha, 0446-0500*, 05-02, Spanish, comments, Ecuadorian songs, program "Ritmos y Canciones de Nuestra Tierra", anthem at 0457 and closed. 35433. (Manuel Mendez-Spain/Hard Core DX)

ETHIOPIA 6030, Radio Ethiopia, Addis Ababa, 1803-1829, 04-02, Vernacular, comments. East African songs. 24322. (Manuel Mendez-Spain/Hard Core DX)

7110, Radio Ethiopia, Addis Ababa, 0455-0512, 05-02, Vernacular, comments. 34433. (Manuel Mendez-Spain/Hard Core DX)

FINLAND Scandinavian Weekend Radio have confirmed the dates of their monthly broadcasts in 2023: 4 February, 4 March, 1 April, 3 June, 1 July, 5 August, 7 October, 4 November, 2 December. There are no broadcasts in January, May or September. (SWR on Facebook) We were sad to hear that SWR's Trevor Twyman "Tricky Trev" died suddenly on 15 January. Trev was British expat who had lived in Finland for many years and was a regular DJ on SWR. (Dave Kenny-UK/British DX Club)

FRANCE Transmission of Pan American Broadcasting now is on 17715 via TDF Issoudun: 1400-1415 on 17715 English Sun Frank & Ernest Discussion, ex Nauen (DX Mix-Bulgaria)

GERMANY Reception of DWD Deutscher Wetterdienst via Pinneberg, February 21: 0600-0630 on 5905 PIN 010 kW German 0600-0630 on 6180 PIN 010 kW German (DX Mix-Bulgaria)

Reception of HCJB Voice of The Andes in Russian and Chechen via MBR Nauen, February 18: 1530-1630 on 9500 Russian/Chechen Sat (DX Mix-Bulgaria)

Reception of BV Broadcasting in English via MBR Nauen, February 18: 1430-1500 on 11900 English Sat (DX Mix-Bulgaria)

Reception of Bible Voice Broadcasting in Dari via MBR Nauen, February 19: 1430-1500 on 11900 NAU Dari Sun ONLY (DX Mix-Bulgaria)

Shortwave Radio, Winsen - Aller, Germany kindly sent me their latest programme schedule, which is detailed below (although it is subject to change, and note that all times are in UT). The current frequency schedule is 0800-1500 on 6160 and 1500-2100 on 3975 (however frequency usage may change in January with the possibility of 3975 running in // with 6160 from 0800). (TopNews)

Reception of Evangelische Missions Gemeinden EMG via MBR Nauen, February 19: 1130-1200 on 6055 German Sat/Sun (DX Mix-Bulgaria)

Bible Voice Broadcasting in Nuer via MBR Nauen, February 16: 1430-1459 on 17550 Nuer Daily (DX Mix-Bulgaria)

6070, 0657-, Radio Channel 292 Feb 5 Well heard under CFRX. An amazing TA 49 meter opening. (Salmaniw-BC/DXplorer)

6095, Radio SE-TA 2 via Nauen. Reception report verified with f/d E-QSL received in 5 days. Email seta@web.de. (Pradip Chandra Kundu-India/Asian DX Review)

9715, Bible Voice Broadcasting via Nauen, F/D e-QSL in 10 days. E-mail address: mail@bvbroadcasting.org. (Michele Gasparri-Italy/DX Fanzine)

GUAM KTWR Trans World Radio Asia in English & Japanese in DRM mode via Agana, February 18:

1059-1128 on 12040 English Sat DRM
1129-1230 on 9910 Japanese Sat DRM (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in English via Agana, February 12:
from 1101 on 11965 English Sun-Fri (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in Hui via Agana, February 8:
from 1116 on 12160 Hui (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in Chinese via Agana, February 8:
from 1159 on 9910 Chinese (DX Mix-Bulgaria)

KTWR Trans World Radio Asia/Friendship Radio in Japanese via Agana, February 12:
from 1217 on 9975 Japanese Sun (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in English via Agana, February 21:
1245-1301 on 13740 English Mon-Fri (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in Chinese via Agana, February 8:
from 1301 on 9975 Chinese (DX Mix-Bulgaria)

Reception of Trans World Radio India in Hindi via KTWR Agana, February 21:
1302-1309 on 13740 Hindi Mon-Fri (DX Mix-Bulgaria)

Reception of KTWR Trans World Radio Asia in Korean via Agana, February 21:
from 1313 on 9320 Korean Mon-Fri (DX Mix-Bulgaria)

Reception of Trans World Radio India in Uighur via KTWR Agana, February 21:
1417-1445 on 9900 Uighur Mon-Thu (DX Mix-Bulgaria)

Reception of Trans World Radio India in Kazakh via KTWR Agana, February 21:
1446-1501 on 9900 Kazakh Daily (DX Mix-Bulgaria)

Frequency change of Adventist World Radio KSDA in Manumanaw Karen:
1400-1430 NF 12085 SDA 100 kW
Manumanaw Karen, ex 12075 (DX Mix-Bulgaria)

GUATEMALA Mail from Radio Verdad received right now: "We remain off the air at Radio Verdad because the Internet was cut off, because we have no money to pay. Radio Verdad is totally non-profit. We will go back on the air when we have money to pay." (Édgar Amilcar Madrid, General Manager) It seems that the satellite radio "project" has left them without money, unfortunately, I don't think we will be able to hear Radio Verdad again on short wave. (Manuel Méndez-Spain/Shortwave Bulletin)

INDIA Reception of All India Radio in Swahili & English via Bengaluru, February 17:
from 1215 on 15030 Swahili & English ann. (DX Mix-Bulgaria)

Reception of All India Radio in Nepali via Bengaluru, February 12:
from 0902 on 15030 Nepali (DX Mix-Bulgaria)

Reception of All India Radio in Chinese via Bengaluru, February 12:
from 1032 on 15050 Chinese (DX Mix-Bulgaria)

15030, All India Radio, F/D QSL card including Transmitter site (Bangaluru) in 37 days. Email: spectrum-manager@prasarbharati.gov.in. (Juan Carlos Pérez-Spain/DX Fanzine)

INDONESIA Reception of Voice of Indonesia in English via Palangkaraya, February 6:
1300-1400 on 3325 PGA 010 kW English (DX Mix-Bulgaria)

Response Report Shortwave RRI Nabire. I guess nowadays a generic response is better than no response at all, but we certainly miss the old days of receiving signed full data QSLs!! Recently RRI Nabire Pro 1 (7289.94) has been doing fairly well, as it was again tonight. Feb 1 - Heard from 0820 till CNR1 signed on at 0930; anomaly today with no RRI announcers; just non-stop EZL songs till 0904, when they switched to playing Islamic flavored songs till the 0913-0924 Islamic segment with the Shalawat Tarhim prayer and the Maghrib [sunset] prayer; followed by more EZL songs till blocked by a strong China signal. (Ron Howard-CA/TopNews Feb 1)

RRI shortwave broadcast requests in A23 season from March 26:

3325 at 1700-0600

4750 at 0200-0500

7290 at 0500-0800 Note the low transmitting power of Nabire 1, Jakarta Cimanggis 3 or Palang Karaya 40 kW; and antenna type ITU #700 i.e. 'Curtain antenna, arrays of horizontal half-wave dipoles, centre fed, without reflector..' (Jan 25/Worldwide DX Club)

JAPAN 5006 & 8006, Feb 16, 1135, HFD Radio Station JG2XA; station carrying out a HF-Doppler project; in the past, their 60W signal was never strong, but today was heard with an unusually good signal (open carrier), so sent off an email inquiring if there was something new happening. Received the following reply in just eight minutes from Professor Keisuke Hosokawa at the University of Electro - Communications (keisuke.hosokawa@uec.ac.jp): "Thanks for your message. Yes, now we are replacing the Tx system here in Tokyo. It's still in a testing phase, but the transmission power is 200 W for both the 5M and 8M bands though we are still working on adding Morse. The new system has been tested since Jan 17 this year." Very good news! (Ron Howard-CA/Shortwave Bulletin)

KOREA (South) 5995, Feb 13, 1316, Echo of Hope - VOH, has NOT changed frequencies for a month now; heard at 1316 with an anomaly of not as much jamming as usual; 5995 // 6250 // 6350 and 9100, were all fair-good with no jamming and 3985 // 4885 were poor with jamming. VOP, with the usual 3480 // 3910 // 3930 // 4450 // 4560 // 6520 // 6600. (Ron Howard-CA/Shortwave Bulletin)

6015, Feb 14, 1200, KBS Hanminjok Bangsong 1, from 1200+, with the News at Nine (9:00 PM in Seoul), on Feb 14; the audio feed from the TV show; frequent "K-B-S News" IDs; moderate jamming. (Ron Howard-CA/Shortwave Bulletin)

6045, Feb 13, 1325, Voice of Freedom, at 1325, with "Ulisoli hanmadang" (Our sound festival) program of indigenous music; I rather enjoy this unique music and today heard it with an exceptionally strong signal. At 1600 the good VOF reception was killed by the start of a strong signal from Furusato no kaze. (Ron Howard-CA/Shortwave Bulletin)

MADAGASCAR 9615, Madagascar World Voice, F/D QSL card in 127 days. E-mail address: mwvradio@gmail.com. (Carlos Alberto Erdmann-Brazil/DX Fanzine)

MALAYSIA 11665, RTM Wai FM-Malaysia, F/D e-QSL in 3 days. E-mail address: pnk_rtmkajang@rtm.gov.my. V/S: Mohd Fauzi Bin Ali Hassan, Chief Assistant Director, Measurement & Quality Department, Transmitter Technical Ssection (Kajang). (Juan Carlos Pérez-Spain/DX Fanzine)

MEXICO 6185, Radio Educación, México City. Low level only, usual orchestral mx 0819. Very little else on the band, 2/2. (Seager-Australia/Australian DX News) 6185, Radio Educacion, Ciudad de Mexico, 0512-0740,21-02, Mexican songs, Spanish, comments, ID "La onda corta de Radio Educacion, 6185

kHz, banda internacional de 49 metros", more songs, new ID at 0715 "Radio Educacion, 1060 AM 100.000 watts de potencia, Servicio Nacional de Comunicacion, desde la Ciudad de Mexico", more songs, classical music. 25432. (Manuel Mendez-Spain/Hard Core DX)

MONGOLIA Reception of Voice of Mongolia in English via Ulaan Bataar, February 22: 0900-0930 on 12084.85v English (DX Mix-Bulgaria)

Reception of Voice of Mongolia in English via Ulaan Bataar, February 21: 1430-1500 on 12014.85v* English. * same time 12015.000 KUJ 200 kW French Voice of Korea via KOREA DPR Winter B-22. (DX Mix-Bulgaria)

12085, Voice of Mongolia, Ulaanbaatar, *0859-0916, 21-02, interval signal, "Welcome to the Voice of Mongolia in English", English program, news, Mongolian songs. 25422. (Manuel Mendez-Spain/Hard Core DX) 12085, Voice of Mongolia (Japanese Section), F/D e-QSL in 3 days. E-mail address: mnb_vom@yahoo.com. (Juan Carlos Pérez-Spain/DX Fanzine)

MYANMAR Reception of Thazin Radio General Sce in Burmese via Naypyidaw, February 21: till 0930 on 9590 NAY 050 kW Burmese (DX Mix-Bulgaria)

Reception of Myanmar Radio in English via Yangon, February 21: 1530-1700 on 5985*YAN 025 kW English *same time on 5990 XIN 050 kW Tibetan People BS Qinghai strong QRM and *from 1600 on 5985 BEI Swahili CGTN China Radio Int. co-ch! (DX Mix-Bulgaria)

5985, Feb 13, 1500, Myanmar Radio. For a long time Myanmar has had sole possession of this frequency from 1500-1600, but that is no longer so. Voice of Turkey causing

serious QRM for MR today after 1500+; in the past was difficult for me to make out the news in English at 1530 from Myanmar, due to the announcers accent, but now with the QRM I can only make out very few bits and pieces. Rather a sad development for me, as I often enjoyed decent MR reception in the past. (Ron Howard-CA/Shortwave Bulletin)

NETHERLANDS New frequency of Mike Radio via Heerde registered in HFCC, February 15: 0800-1200 NF 6105 HEE 001 kW Dutch/English Sat/Sun, ex 5875 24 hrs (DX Mix-Bulgaria)

Radio Onda, Borculo 6140 has been off the air in recent weeks. According to an email received from the station, they are working on maintenance, changing the antenna site and other improvements. They planned to be on air again on March or a bit later. Meanwhile Radio Onda audio is on its website <http://www.radioonda.be>. (Manuel Mendez 15 Jan/British DX Club)

6020, Radio Delta International, Elburg, reception report verified with beautiful f/d E-QSL received in a day. Email: radiodelta@icloud.com. (Pradip Chandra Kundu-India/Asian DX Review) 6020, 0605-, Radio Delta International Feb 5. Particularly good reception tonight. So good, that I decided to check for other European low power 49 meter stations, and heard several. As last weekend, gradually fading by 0700. Reception was just about as strong as heard via Icelandic SDRs! Very impressive tonight! English programming and IDs. (Salmaniw-BC/DXplorer)

6130, 0648-, Radio Europe Feb 5 Quite a remarkable evening with a number of 49 meter European pirates audible into Masset. First, Delta Radio International on 6020 came in really well, so why not look elsewhere? Sure enough, Radio Europe (presumed) heard with pop music, and

definitely // to Twente Radio. (Salmaniw-BC/DXplorer)

NEW ZEALAND Additional frequency of RNZ Pacific from February 10:
0859-1258 on 11725 English AM mode Mo-Fr
// frequency 13755 English AM mode Mo-Fr
(DX Mix-Bulgaria)

Reception of Radio New Zealand Pacific via Rangitaiki, February 11:
from 1259 on 7390 All Pacific English (DX Mix-Bulgaria)

13755, Radio New Zealand Pacific reception report verified with f/d E-QSL, v/s Adrian Sainsbury Frequency Manager received in a week. Report submitted via web-form. (Pradip Chandra Kundu-India/Asian DX Review)

NIGERIA Reception of Voice of Nigeria in Fulfulde & English via Abuja, February 6:
from 0659 on 7254.9v Fulfulde
from 0758 on 7254.9v English (DX Mix-Bulgaria)

7249.9, Voice of Nigeria, Abuja Lugbe, 0620-0626, 05-02, Vernacular comments, mentioned "Nigeria". Very clear signal today, but checked again at 0649 and later and out of the air. 35433. (Manuel Méndez-Spain/Hard Core DX) 7254.9, Voice of Nigeria, Abuja Lugbe, 0606-0623, 20-02, Vernacular, comments, interval signal, more comments. Strong carrier weak audio. 15421. (Manuel Méndez-Spain/Hard Core DX)

NORFOLK ISLAND Radio DX on 5045 Yesterday (9 Jan) I talked to Nick, VK9DX, on 40M SSB. He confirmed that he still interested in putting Norfolk Island on the air. He is looking for a 1kw transmitter to air on 5045. Nick spends 6 months on Norfolk and 6 months in Sydney (VK2DX). (Bill Smith HCDX) Since the above report, several tests have been carried out from Norfolk Island on 5045 including on the morning of 11

January. Reception was confirmed on receivers in Australia/NZ and it was also heard on the west coast of North America. Using a receiver in Brisbane I was able to hear a clear ID at 0900 "You are listening to Radio DX transmitting from Norfolk Island on 5.045 MHz". There was another test on 14 January which was even heard in Europe. Power is 200 Watts. (Dave Kenny-UK/British DX Club) This broadcast outlet is highly irregular. (RAD)

5045, 0724, Radio DX test, vgd signals, IDs spoken by Glenn Hauser. Same content as last years tests plus the latest edition of Glenn's 'World of Radio' DX prgm. Quick QSL response from Nick Hacko 13/1. (Bryan Clark-New Zealand/New Zealand DX Times) 5045, 1048, Radio DX signal poor under local noise in EE 14/1. (John Durham-New Zealand/New Zealand DX Times)

OMAN 7285, BBC (Al Seela) at 0314 in English, interview. Poo-fair, //12095 very good Feb. 3. (Harold Sellers-BC/DXplorer)

PALAU Reception of Hope Radio in English via T8WH Angel 5 Medorn, February 4:
from 0840 on 9965 English Sat (DX Mix-Bulgaria)

Hope Radio in English on 9965 & 9930 via T8WH Angel 5 & Angel 5 Medorn, February 6:
till 0905 on 9965 English Mon
from 0905 on 9930 Music Mon. (DX Mix-Bulgaria)

Hope Radio in English via T8WH Angel 5 & Angel 3 Medorn, February 7:
till 0830 on 9965 English Tue
from 0900 on 9930 Music Tue (DX Mix-Bulgaria)

Fair/good signal of Hope Radio via Angel 3 Medorn, February 15:
from 0853 on 9930 Music (DX Mix-Bulgaria)

Reception of Hope Radio in English via T8WH Angel 5 Medorn, February 16: from 0807 on 9965 English (DX Mix-Bulgaria)

PERU 4775, Radio Tarma, Tarma, 0103-0117, 05-02, Spanish, comments. 15221. (Manuel Méndez-Spain/Hard Core DX)

PHILIPPINES Very good signal of FEBC in Tai-Lu via Bocaue, February 11: 1030-1100 on 12095 Tai-Lu (DX Mix-Bulgaria)

Vatican Radio Mass in Chinese via USAGM Tinang, February 11: 1230-1310 on 7485 Chinese Mass Sat 1230-1310 on 9720 Chinese Mass Sat (DX Mix-Bulgaria)

Very good signal of FEBC Radio Teos in Ukrainian via Bocaue, February 19: 1530-1545 on 9920 Ukrainian Sun 1500-1530 on 9920 Russian Daily; 1530-1545 Mon-Wed; 1545-1600 Thu-Sun. Wrong time and frequency announcement 1900-2000MST on 11650, instead 1800-1900MST on 9920. (DX Mix-Bulgaria)

9795, Radio (Iba) at 2258 with repetitive musical tune IS, 2300 time pips, sign-on in Mon language as listed. Fair, Feb. 6. (Harold Sellers-BC/DXplorer)

11825, BBC (Tinang) at 2305 in English with news, ID. Good, Feb. 6. (Harold Sellers-BC/DXplorer)

15450, FEBC Radio Liangyou in Mongolian via Iba, f/d QSL card arrived after 65 days for my report to their reception report Web Form. (Babul Gupta, Barasat-India/Asian DX Review)

ROMANIA New program to Asia on IRRS / EGR. Just a short message to inform our listeners that as of Sunday, Feb. 12, 2023, we start a new 30-minute broadcast to Asia and the Pacific at high power (300 kW) on behalf

of a missionary organisation based in New Zealand. Gospel Miracle Time for Asia will be aired each Sunday from 1600-1630 on 15385 during the B22 season. Times and frequency for the A23 season will be announced shortly on our website. The program will likely be received also in Europe and the Americas. Gospel Miracle time can also be heard in Europe each Saturday at 1830 on 1323 MW and 7295 SW, on Saturday at 1930 on 1323, with a repeat on Tuesday at 2030 on 1323 Medium Wave. We welcome your comments and reception reports at: <https://nexus.org/QSL>. (Ron Norton, NEXUS-Int'l Broadcasting Association)

NEXUS IRRS Shortwave EGR Gospel Miracle Time in English on new 15375 via Galbeni, February 19:

1600-1630 NF 15375 English Sun, ex 15385 1600-1630 on 15385 Afan Oromo Mon-Wed/Fri/Sat is ONM - Arraata Biyyoolessa Oromiyaa (DX Mix-Bulgaria)

5990, RRI Bucharest. Report verified with f/d card received by post after almost a year. Email: engl@rri.ro. (Pradip Chandra Kundu-India/Asian DX Review)

9780, Radio Romania International. DXers be on the look out for an unlisted, unregistered Radio Romania International feed in Romanian. I've heard it in the 1800 hour during the weekdays for the last 2 weeks. today, a Saturday, it seems to be continuing on with the 11820 feed till 2000 meant for Western Europe. I cant say for sure if Ive heard 9780 after 1900 before, but this isn't listed with Eibi or on RRI's own website. (Paul Walker-AK)

11900, RRI Bucharest reception report verified with f/d card showing The Gura Portijeii wild beach received by mail after about 6 months. Email: engl@rri.ro. (Pradip Chandra Kundu-India/Asian DX Review)

RUSSIA Winter B-22 shortwave schedule of Radio Purga / Chukotka

2000-2200 6025 K/A 020 kW Russian DRM mode

2200-0100 11860 K/A 020 kW Russian DRM mode

0100-0600 15325 K/A 020 kW Russian DRM mode

0600-1000 6025 K/A 020 kW Russian DRM mode (Anatoly Klepov-Russia RUSdx #1219 via wwdxc BC-DX TopNews Jan 9)

Russian National Anthem Station on 9310 USB, February 16:

from 0539 on 9310 USB mode (DX Mix-Bulgaria)

SRI LANKA 11905, Radio Sri Lanka (Trincomalee) at 0219 in Hindi, Hindi songs, female announcer, 0230 ID for Sri Lanka Broadcasting Corporation, website, other announcements and off. Good, Feb. 3. (Harold Sellers-BC/DXplorer)

TAIWAN Reception of Radio Taiwan International in Korean via Tamsui, February 15:

1030-1100 on 9700 Korean (DX Mix-Bulgaria)

Good signal of Fu Hsing BS in Chinese via Kuanyin, February 20:

from 1000 on 9410 KUA 010 kW Chinese (DX Mix-Bulgaria)

9410, Feb 14, -1159*, Fu Hsing BS on 9410 (QRM) // 9774, noted 1159*. No 15375 heard. (Ron Howard-CA/Shortwave Bulletin)

TAJIKISTAN Frequency change of USAGM Radio Free Asia via Dushanbe:

0600-0700 NF 15610 Tibetan, ex 15675

1200-1400 NF 13660 Tibetan, ex 13655 (DX Mix-Bulgaria)

THAILAND HSK9 Radio Thailand World Service in English via Udorn Thani, February 3:

1200-1230 on 9940 English (DX Mix-Bulgaria)

TURKIYE TRT Voice of Turkiye in Turkish on additional frequencies 9430 and 5910 via Santa Maria di Galeria:

0400-1700 on 9430 SMG All World Turkish B-22 HFCC as International Radio for Disaster Relief Project

1700-0400 on 5910 SMG All World Turkish B-22 HFCC as International Radio for Disaster Relief Project (DX Mix-Bulgaria) Voice of Turkey appears to have a broadcast going about the emergency over there... today (2/20) I've got a 5910 that I initially thought sounded like a news broadcast, vaguely middle eastern-y. Someone in the WRTH FB group ID'd the language as Turkish... and in further listening, I'm hearing sirens and horns in the background so this sounds like a live report. I heard this in the 1700 hour but into the 1800 hour it seems to keep going. Further details from Mauno Ritola in the WRTH FB group says this is 1700 to 0400 via Santa maria de galleria. (Paul Walker-AK) I slotted this here instead of Vatican because of the unusual nature of this broadcast because of the earthquake situation. (RAD)

UNITED KINGDOM Test frequencies of ENC-DMS via Tashkent & Yerevan:

1000-1015 on 15460 TAC 050 kW DRM mode Tue &

1700-1800 on 9440 ERV 100 kW Tigrinya Daily (DX Mix-Bulgaria)

The BBC's Arabic radio service ended its MW & SW broadcasts on 26 January marking the end of 85 years of BBC radio broadcasts to the Arab world. Arabic was the BBC's very first foreign-language service when it commenced on 3 January 1938. In recent years it has been transmitted for around 10 hours a day on MW from Cyprus and for about eight hours a day on SW. Although BBC Arabic is no longer broadcast by radio, it will continue to be available online. (Dave Kenny-UK/British DX Club) BBC's Arabic

service bids farewell to the world after 85 years of broadcasting. SW frequencies of BBC's Arabic was been deleted in HFCC. (DX Mix-Bulgaria)

USA Frequency changes of Voice of America from January 30, various locations:

0000-0100 NF 7480 KWT Tibetan, ex 7580

0000-0100 NF 9575 UDO Tibetan, ex 9670

0300-0400 NF 21650 PHT Tibetan, ex 21600

0300-0400 NF 21750 PHT Tibetan, ex 21785

0400-0500 NF 15240 UDO Tibetan, ex 15610

1400-1500 NF 12105 UDO Tibetan, ex 11910

1600-1700 NF 7475 PHT Tibetan, ex 7525

1600-1700 NF 9530 UDO Tibetan, ex 9760

New time and frequencies of Voice of America in Rohingya Mon-Fri

0100-0130 on 9415 UDO 250 kW / 300 deg to SEAs Rohingya Mon-Fri

0100-0130 on 9745 UDO 250 kW / 300 deg to SEAs Rohingya Mon-Fri

0100-0130 on 15715 PHT 250 kW / 283 deg to SEAs Rohingya Mon-Fri

Canceled 1130-1200 Mon-Fri on 12030 PHT; 12125 UDO & 15715 UDO (DX Mix-Bulgaria)

Frequency changes of Radio Free Asia from January 30, various locations:

0100-0200 NF 9790 KWT Uighur, ex 9700

0100-0200 NF 12015 KWT Uighur, ex 12065

0100-0200 NF 9510 DB Tibetan, ex 9665

0600-0700 NF 15245 DHA Tibetan, ex 15255

0600-0700 NF 15675 DB Tibetan, ex 15665

1000-1100 NF 9420 DB Tibetan, ex 9690

1100-1200 NF 11830 KWT Tibetan, ex 12050

1200-1400 NF 13655 DB Tibetan, ex 13830

1300-1400 NF 13680 KWT Tibetan, ex 13695

1300-1400 NF 15725 DB Tibetan, ex 15745

1500-1600 NF 9470 DB Tibetan, ex 9315

1500-1600 NF 11980 KWT Tibetan, ex 11805

2200-2300 NF 7560 KWT Tibetan, ex 7480

2200-2300 NF 9540 KWT Tibetan, ex 9790

2300-2400 NF 7510 KWT Tibetan, ex 7540

2300-2400 NF 9490 KWT Tibetan, ex 9910 (DX Mix-Bulgaria)

WMLK Radio, Assemblies of Yahweh, now broadcasting 6 days a week:

9275 at 1700-2200

15150 at 0400-0900 (The Sacred Name Broadcaster)

Reception of Vatican Radio in Spanish via USAGM Greenville, February 14:

1230-1245 on 7305 Spanish (DX Mix-Bulgaria)

Reception of Vatican Radio in Spanish via USAGM Greenville, February 6:

1230-1245 on 7305 Spanish (DX Mix-Bulgaria)

Reception of Voice of Indonesia in English via WRMI#13 Okeechobee, February 16:

0800-0900 on 7780 English Sun-Thu (DX Mix-Bulgaria)

5850, Radio Northern Europe International via Okeechobee, FL, in English logged on 12th February 2022, f/d eQSL received after 11 months for my email report to: qsl@rnei.org. (Babul Gupta-India/Asian DX Review)

UZBEKISTAN Reception of Bible Voice Broadcasting in English via MBR Tashkent, February 5:

1230-1245 on 15209.8v Bahasa Malay Sun (DX Mix-Bulgaria)

Reception of BVBroadcasting in English via MBR Tashkent, February 17:

1200-1230 on 11800 English Sat (DX Mix-Bulgaria)

Bible Voice Broadcasting in English/Korean via RRTM Telecom Tashkent, February 3:

1300-1330 on 11590 English/Korean Fri (DX Mix-Bulgaria)

VANUATU 7260, Feb 17, -1102* Radio Vanuatu, 0930-1102*. Enjoyable reception today. A few highlights: 0930 - ID and time check; promo for a program dealing with issues of local provinces. 0935 - Interview in Bislama about "Export markets . . . local

markets . . overseas markets . ." 1006 - During the news in Bislama, a sound bite of an Aussie talking about working closely with the Vanuatu National Workers Union about issues for workers in Australia. 1014 - PSA in Bislama for preparedness in case of a cyclone. 1032-1042 - Christian preaching in Bislama with countless "hallelujah, hallelujah, hallelujah, praise the Lord," etc. 1042-1101 - Religious songs. 1101-1102* - ID + time check + NA. (Ron Howard-CA/Shortwave Bulletin)

VIETNAM Voice of Vietnam HS-1

2200-0100 on 5975 MET 050 kW Vietnamese
0300-0600 on 5975 MET 050 kW Vietnamese
1100-1500 on 5975 MET 050 kW Vietnamese
2200-1700 on 7210 DAL 020 kW Vietnamese
2200-1700 on 7435 SON 100 kW Vietnamese
2200-1700 on 9635 SON 100 kW Vietnamese
2200-1030 on 11720 SON 100 kW Vietnamese
1330-1700 on 11720 SON 100 kW Vietnamese
(DX Mix-Bulgaria/Worldwide DX Club)

Voice of Vietnam HS-2

2200-0100 on 5925 XUA 050 kW Vietnamese
0300-0600 on 5925 XUA 050 kW Vietnamese
1100-1500 on 5925 XUA 050 kW Vietnamese
(DX Mix-Bulgaria/Worldwide DX Club)

Voice of Vietnam HS-3


2200-1530 on 6020 DAL 020 kW Vietnamese
>>> now silent (DX Mix-Bulgaria/Worldwide DX Club)

Voice of Vietnam HS-4

2200-2300 on 6165 XUA 050 kW Dao/Hmong
0130-0200 on 6165 XUA 050 kW Dao/Hmong
1130-1200 on 6165 XUA 050 kW Dao/Hmong
1230-1400 on 6165 XUA 050 kW Dao/Hmong
0400-0530 on 9850 XUA 050 kW Dao/Hmong
1030-1330 on 11720 XUA 050 kW Vietnamese
(DX Mix-Bulgaria/Worldwide DX Club)

ZAMBIA Voice of Hope World Radio Network has been off air for some time on 6065 and 11680. Ray Robinson from Voice of Hope says to DX-FOKUS that they are not transmitting on the two frequencies due to problems with a transmitter, and that they are waiting for spare parts to arrive from the US. He expects the two frequencies, which mainly cover West Africa, to be back in a few weeks. Meanwhile, Voice of Hope continues on 4965 (evenings) and on 9680 (mornings and afternoons), and Ray Robinson says that these two frequencies give very good reception in central, eastern and southern Africa. (Stig Hartvig Nielsen-Denmark, DX-FOKUS #2 - 2023; hcdx Feb 6/TopNews) Main power delivery shortage / limited on UTC morning hours locally. (wb/TopNews)

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

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. 

Pirate Radio Report

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

Hello everyone and welcome to another edition of The Pirate Radio Report. I hope everyone was able to attend the 36th Annual (!) virtual Winter SWL Fest and also meet up with fellow hobbyists in the "Bob Brown Memorial Hospitality Suite". Everyone here at the Pirate Radio Report is anticipating the annual midnight ride of *The Voice of Poncho Villa!*

Mix Radio International let loose on super bowl Sunday with a wonderful broadcast of Giuseppe Verdi's opera, "La Traviata." Pirates broadcasting opera? You bet! This was Mix Radio's third Opera broadcast. The other two were "Carmen," and "The Barber of Seville." Who knows what will follow? *Radio Parade International* has begun test broadcasts on 8492 kHz and has been received by listeners in the northeast.

A new show hit the airwaves this month. *The Purple Nucleus of Creation*, with very unique content, and obviously paying homage to *KIPM. Mystery Science Radio 2003* was also heard for the second time this month with a Dr. Who tribute show. Presidents Day was busy with *Radio Time Machine* and *James Brown Radio* making appearances.

There were a few relays of classic pirate radio broadcasters this month. *Radio Clandestine* graced the airwaves once again, as well as classic shows from DJ Dickweed and *Radio Free Whatever. Big Johnson Radio* was also heard as well.

Andrew Yoder's Hobby Broadcasting Radio continues on the third Thursday in March at

0400 UTC on WBCQ 5160 kHz. This show has been both informative, and entertaining. A 'must-listen' for all pirate radio aficionados!

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



4185-AM, PIRATE-NA. **X-FM SHORTWAVE.** 0041, 02-18-23, First try: "My Culture" - 1 Giant Leap & Robbie Williams, few indistinct words, outs, prepared ID, "Lost" - Linkin Park. Tried again @ 0225 ID, into a program of music ... Redhat talking about how broadcasting is one of his ways of being away from life's stresses. Another is being in "the middle of nowhere" and what that's like for him. Much better conditions. Signal now S 8-9, great audio. (Taylor- WI)

5050-USB, PIRATE-NA. **MIX RADIO INTL.** 0403, 02-05-23, Eastern European folk music, folk - rock in Slavic, YL singer in Slavic language, "Welcome to the United States of America. Despite a good signal,

music volume was poor, the last ID was very clear. (Taylor-WI)

5879.95-AM, PIRATE-EUROPE. **RADIO ROCK REVOLUTION.** 1726, 02-18-23, playing rock songs, man DJ brief announcement at 1743 after a track, and w/ clear IDs w/ low hoarse voice at 1749 and at 1758 (Serra-Italy)

6285.02-AM, PIRATE-EUROPE, **MIKE RADIO.** 1721, 02-17-23, playing fine rock, pop dance, pop songs and music (Rod Stewart's Maggie May, Ralph McTell's Streets of London, Rod Stewart's Da Ya Think I'm Sexy, etc), w/ man enhanced IDs at 1729 (Mike, Mike, Mike Radio) (Serra-Italy)

6289.97-AM, PIRATE-EUROPE. **RADIO RONALISA.** 1710, 02-13-23, playing disco dance, techno, pop songs and music, w/ man dj unclear talk at times. (ID by Ray Lalleu at 1703 same day on hfunderground.com) (Serra-Italy)

6900-AM, PIRATE-NA. **WRKO SHORTWAVE.** 0011, 02-13-23, A replay of an old WRKO show by Bobby Mitchel. Played the Supremes, Beach Boys, and Jackson Five. Poor/Fair signal (Majewski-CT)

6925-USB, PIRATE-NA. **WAVE RADIO.** 0035, 02-01-23, Bit of a strange show with audio from a numbers station. Female announcer gave the station ID as Wave Radio, Ride the Wave. Fair signal until 0050 and fading occurred. (Majewski-CT)

6925-USB, PIRATE-NA. **KOLD.** 0231, 02-02-23, "I'm cold" - Guided by voices, OM; "You are listening to KOLD". 0316 "Summer" - Calvin Harris, Op offering to hand out gloves and ID'ing into "Ray of Light" by Madonna, (Taylor-WI)

6925-AM, PIRATE-NA. **INSANE RADIO.** 2336, 02-05-23, Played a set of Modest Mouse tunes and one that I have not heard in a long

time, Blue Cheer doing "What condition is my condition in". Poor signal (Majewski-CT)

6925-USB, PIRATE-NA. **PIGS KNUCKLES RADIO.** 0033, 02-15-23, Good. Have Juice Newton here w/"The Sweetest Thing." OM anncr w/"Happy Valentine's Day," and ID. Mx back: Merle Haggard and Willie Nelson w/"The Seashores of Old Mexico. (Montney-MI)

6925-USB, PIRATE-NA. **OUTHOUSE RADIO.** 0106, 02-18-23 songs by Tool, including "Right in Two", "Opiate2" and "Fear Inoculum", talking about broadcasting with 20 watts and antenna at 14 feet, maybe having too much beer ... giving salute songs to Pigs Knuckles of Pig's Knuckles Radio and Red Hat of X-FM. Good. (Taylor-WI), 0051, fair. (Montney-MI)

6925-USB, PIRATE-NA. **WENO.** 1347, 02-19-22, Flowing atmospheric music, perhaps ID over music at one point by synth YL - indistinct, 1425 clear ID, Fair.(Taylor-WI)

6930-USB, PIRATE-NA. **ARF ARF RADIO.** 0215, 02-03-23, A strange show of dogs barking and other animal noises. I had to stop listening as the sounds upset my dog. Fair/Poor Signal (Majewski-CT)

6930-USB, PIRATE-NA. **WEAK RADIO.** 2345, 02-04-23, good. On-going parody of 'Parents of school girls gone wild'. Commercial (fake) for VISA/ 'the only place you'll never be' Chrome w/"March of the Chrome Police," (Montney-MI)

6930-USB, PIRATE-NA. **TWO DOG RADIO.** 0208, 02-11-23, good. Judas Priest w/"Victim of Changes." ID next. Mx back: Pop Evil w/"Torn to Pieces," (Montney-MI)

6930-USB, PIRATE-NA. **RADIO MUSHROOM.** 2328 - 2336, 02-19-23, Test transmission per

OP. Music by Barbara Streisand, more OP talk, Good reception. S7. (Penney-MA)

6934.88-AM, PIRATE-EUROPE. **ZEPPELIN RADIO**. 1726, 02-10-23, playing various kind of mellow slow songs and lively songs only (Joe Cocker's you are so beautiful etc) almost fair/fair and vice versa (Serra-Italy)

6935-USB, PIRATE-NA. **CLOUDSPLITTER RADIO**. 2301, 02-13-23, A show of eighties tunes. Signal was good/excellent (Majewski-CT)

6935-USB, PIRATE-NA. **YEAH MAN RADIO**. 2236, 02-18-23, Yeah Man with a Million Dollar Weekend show with music from 1966. Fair signal (Majewski-CT)

6935-USB, PIRATE-NA, **RADIO TIME MACHINE**. 2210, 02-20-23, A President Day special show with music about Presidents. Good Signal (Majewski-CT)

6949-USB, PIRATE-NA. **WASTELAND RADIO**. 0021, 02-11-23, fair. "Eye of the Jaguar "on-going/Riot City, possible ID (?), Riot City back w/two more: "Beyond the Stars," "Tyrant". Whispered ID, more Riot City, SSTV, OM w/ID and thanks for listening. (Montney-MI)

6950-USB, PIRATE-NA. **THUNDER CHICKEN RADIO**. 2240, 02-09-23, good. Logged an hour of this interesting mx from the German band 'Ramstein'. Their mx best described maybe as hard rock, Industrial or Gothic metal. Mx tracts heard: "Deutschland", "Radio", SSTV. Mx back w/"Engel", "Links 1 2 3 4", "Keine Lust", Much more mx and SSTV w/ID. L (Montney-MI)

6950-USB, PIRATE-NA. **BAD DOG RADIO**. 0244, 02-04-23, "Air Balloon" - Lily Allen, OM w/ comedy routine about a balloon, "My Balloon" - nelward, "My Balloon" - Gabriel Garzon - Montano, "Where is my balloon"

(not sure of artist), dialogue between man and "monkey" (child oriented) about finding the man's red balloon. (Taylor-WI)

6955-USB, PIRATE-NA. **ION RADIO**. 2209, 02-08-23, This was an antenna test by Ion Radio. Played some nice blues tunes by Eric Clapton. At 2339, did SSTV ID. Fair/Good signal (Majewski-CT)

6955-USB, PIRATE-NA. **RADIO FREE WHATEVER**. 2328, 02-10-23, DJ Dickweed doing a show on new Indie tunes. It included a prerelease of "Devil Inside Me" by The Now. Good signal until a big fade at 0000 (Majewski-CT), 2306, 02-10-23 good. (Montney-MI)

6955-USB, PIRATE-NA, **VOICE OF ALICE**. 0135, 02-16-23, good. An evening here w/ Alice Cooper no less. Tracts logged in order: "My Stars," "No More Mr. Nice Guy," "Yeah, Yeah, Yeah," "Muscle of Love," OM w/ ID. (Montney-MI), 0157, apparently, I missed an ID by about a minute. Fair. (Taylor- WI)

6955-USB, PIRATE-NA. **CLOUDSPLITTER RADIO**. 2113 - 2233, 02-17-23, Relay of a classic Alan Maxwell's KIPM episode followed by an episode of Mystery Science Radio 2003. Good reception. S8. (Penney-MA)

6960-AM, PIRATE-NA. **ZANAHORIAS EN ESCABECHE**. ("Pickled Carrots"), 0235, 02-05-23. Originally mis identified as Radio Libre from talk during the show. Andean style vocal, YL few words, Mexican style band, YL few words, another Mexican, CW: ("zanahorias enescabeche" repeated), OM & YL, Mexican music. Poor. ID from decoding CW from recording and confirmed by others on HF Underground. (Taylor-WI), 0341, 02-05-23, Mex mx S7/S8 into Utah SDR; checked after many reports in the WOR iog. And ID at 0424 as ``ésta es la Zanahoria en Escabeche`` which means ``spicy pickled carrots`` (Hauser-OK)

6960/4030-AM, PIRATE-NA. **BALLSMACKER RADIO**. 0203, 02-18-23, "The Heart of the Matter" - Don Henley, "Sergeant Pepper's Lonely Hearts Club Band" -Beatles, Poor - fair. (Taylor- WI)

6965-USB, PIRATE-NA. **WDOG**. 2357, 02-18-23, Program of 80's music including "Red Red Wine" - UB40, "She blinded me with science" - Thomas Dolby, "I want candy" - Bow Wow Wow, Occasional dog barks and howls over songs. Fair to good. (Taylor- WI), 0009, 02-19-23, good! (Montney-MI)

6975.6-AM, PIRATE-NA. **WEEK RADIO**. 2202 - 2259, 02-05-23, Music selections from various artists for every day of the week. YL & OM w/ID. Decent signal, nice audio. S8. (Penney-MA)

6980-AM, PIRATE-NA. **BOOM BOX RADIO**. 0026, 02-07-23, A show of new pop music. Played "Pumping Blood" by NoNoNo. ID was by DJ Liquid Todd. The signal was poor/fair and faded out at 0111. (Majewski-CT)

8492-AM, PIRATE-EUROPE. **RADIO PARADE INTERNATIONAL**. 2200 - 2230, 02-11-23, Big-Band music selections from Jack Hylton, Duke Ellington, Miff Mole & The Molers & others. OM w/ID. Decent reception. S4. (Penney-MA)

Inflation has impacted the FCC as we can see in the following article from [Radio World](#).

Tulsa FM Signal Draws Pirate Letter From FCC

The commission's maximum penalties also have increased

BY: PAUL MCLANE
PUBLISHED: JANUARY 31, 2023

Thanks to inflation, the maximum penalties that the FCC can issue to someone who allows a pirate radio operation on a property has just gone up.

Those numbers, as of Jan. 15, are now about \$116,000 per single violation and about \$2.3 million total.

No landlord or property owner has been hit with a fine yet, but these are the scary numbers that the commission uses in its letters to people it believes have been harboring illegal broadcasters, under provisions of the PIRATE Act passed unanimously by Congress and signed into law by President Trump three years ago.

The commission's latest letter was sent to Sandra Flippo of Thumber Properties in Claremore, Okla. It said that agents from the Dallas Office of the Enforcement Bureau traced FM signals on 100.7 to a property on Utica Ave. in Tulsa owned by Thumper. Recipients of the FCC's letters have 10 business days to respond.

According to the commission's pirate enforcement database, only one pirate forfeiture has been issued in recent years; it was for \$10,000, and it was against an operator rather than a property owner. There have also been a handful of consent decrees, resulting in payments of up to \$5,000.

Scoreboard

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This month we are highlighting our members' totals from Oceania. Ranking is based upon Oceania countries verified. This is your chance to show everyone how well you are doing. The next deadline is August 15th for the September 2023 issue of the Journal. The spotlight will be on Asia.

Name, State	Total		Oceania		Best Oceania QSL
	C/H	C/V	C/H	C/V	
Edward Kusalik, ALB	250	249	23	23	3AZ Tonga 5030
Dan Henderson, MD	253	248	23	22	Radio Free Bougainville 3865 kHz
Harold Cones, VA	247	246	22	22	R. Kiribati
Tom Williamson, ON	243	230	22	22	R. Kiribati
Wendel Craighead, KS	235	223	22	22	R Omroep Nederlands Nieuw Guinea, Biak
Ron Howard, CA	212	200	22	22	Tonga
Jerry Berg, MA	244	244	21	21	Fiji Broadcasting Comm. (250 w.)
Sheryl Paszkiewicz, WI	225	219	21	21	R. Kiribati
Rich D'Angelo, PA	234	234	20	20	R. Cook Islands
Chris Lobdell, MA	229	225	20	20	R. Kiribati
Jim Evans, TN	213	203	20	19	PNG - Bougainville
Donald Hosmer, MI	228	201	20	19	R West New Britain, Kimbe
Dan Robinson, MD	235	211	19	19	Cook Islands
George Maroti, NY	208	202	18	17	Kiribati
Ross Comeau, MA	193	172	16	14	R. Kiribati
Jerry Johnston, KY	210	141	19	13	Cook Islands
Stephen Price, PA	198	183	13	12	RFO Tahiti
James R. Renfrew, NY	189	161	13	10	R. Vanuatu
Bill Smith, MA	186	177	11	10	Vanuatu
Dan Srebnick, NJ	156	121	10	9	SIBC
Richard Bradley, MA	145	130	8	8	Tahiti
Scott R. Barbour, NH	168	115	13	7	R. Wantok Light-PNG 7120
Edward G. Stroh, IL	135	104	9	7	R. Tahiti
Gary R. Neal, MD	137	127	7	7	VNG
Joe Kremer, OH	153	104	10	6	Solomon Is.
Gary W. Froemming, AZ	184	44	11	5	VNG
Richard Murphy, TX	135	88	5	5	
Ken McCartney, OH	125	73	7	3	Fiji
James W. Young, CA	253	239			
Bob Raymond, NH	175	151			
David Turnick, PA	175	129			
Larry Colton, FL	154	125			

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
Vince HENLEY , Anacortes, WA		L
Eric BUENEMAN , Hazelwood, MO		L
Paul WALKER , McGrath, AK		LN
Glenn HAUSER , Enid, OK		L,P
Bill MONTNEY , Monroe, MI		P
Ed CICHOREK , Somerset, NJ		L
Pamela PRODAN , Wilton, ME		L
Rick BARTON , Sun City, AZ		L
Richard CUSHMAN , Dixon, CA		L
Gianni SERRA , Roma, Italy		P

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 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.



Loggings

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

- 3215 **UNITED STATES WWCR** Nashville, TN – 1/12 0300 noted with legal ID into Christian teaching program in English. SIO 323. (Bueneman-MO)
- 4885 **BRASIL Radio Clube do Par Portuguese** 0320 music, incl “World without Love” (in Portuguese), off at 0350; poor-fair 1/22 (Prodan-ME)
- 4885 **BRAZIL Radio Clube do Pará** ZYG362 Belém, Pará – 1/10 0325 noted with pop music and promo in Portuguese. SIO 323. (Bueneman-MO)
- 4980 **UNITED STATES WRMI** Okeechobee, FL – 1/6 0340 noted with pop/rock Oldies, request promo, “WRMI” ID in English. SIO 545. (Bueneman-MO)
- 5010 **UNITED STATES WRMI** Okeechobee, FL Supreme Master TV 0315-20 English & other languages, spiritual talk “be forever blessed”; fair 1/22 (Prodan-ME)
- 5025 **CUBA Radio Rebelde** 0203-310 Spanish Cuban & other music; fair 1/2 (Prodan-ME)
- 5060 **CHINA PBS Xinjiang** 0130. Woman with long talk in Chinese, Fair Rx until faded badly at 0140. It makes sense. The sun was had set here in Arizona, but was rising at the transmitter site, ruining the dark-to-dark connection -- Poor to Fair 1/6 (Barton-AZ)
- 5085 **UNITED STATES WTWW** – Lebanon, TN, 0152-0206 Feb 19, male religious vocal selection with a man announcer mentioning “Scriptures for America Worldwide” program name and contact information. Another man with station ID before returning the Scriptures for American program. Very good signal. (D’Angelo-PA)
- 5085 **UNITED STATES WRMI** Okeechobee, FL – 1/12 0329 noted with story on the discovery of the flu vaccine and mention of the Gospel in English. SIO 555. (Bueneman-MO)
- 5800 **UNITED STATES WRMI** Okeechobee, FL 2322-28 Supreme Master TV music & ann talk about AI; fair 1/2; Spanish 0310-15 Radio Argentina; fair 1/22 (Prodan-ME)
- 5910 **CUBA China Radio Intl** English 0310-20 m & f discussion about China-Colombia relations & trade; good 2/6 (Prodan-ME)
- 5910 **ROMANIA Radio Romania Intl** Romanian 0116-0200 music, men's chorus (with some shouting), rhyming & response, lots of up-tempo music, station ID; good 1/2 (Prodan-ME)
- 5940 **BRAZIL Radio Voz Missionária**, Feb 16 at 0756, JBA praise music //9665v. Incredibly, R Voz Missionária is almost on-frequency after years closer to 5938. WWCR 5935 somewhat weakened by K=5, G1 storms (Glenn Hauser, OK)
- 5950 **UNITED STATES WRMI** Okeechobee, FL 0100-0200 Texas Radio Shortwave New Year's Special, music incl “New Year's On the Border, It's Always Been That Way,” “I'm the Man With the Blues” (one of Willie Nelson's first songs 1957) ; fair 1/1 (Prodan-ME)
- 5950 **UNITED STATES WRMI** Okeechobee, FL 2213-2359 Mighty KBC Little Richard Long Tall Sally; fair 1/1 (Prodan-ME)

- 5960 **TURKEY Voice of Turkey** 2320 Turkish music, off at 2356; fair 1/21 (Prodan-ME)
- 5960 **TURKEY Voice of Turkey** – Emirler, 2319-2341 Feb 2, Turkish vocals selections until “This is the Voice of Turkey” station ID in multiple language. After another vocal selection, there was a feature about Turkish industrial production. Excellent signal. (D’Angelo-PA)
- 5960 **TURKEY Voice of Turkey** Feb 17 at 2316, VOT VG into UTwente, S9+40 well atop the CCCCCI. 2321 multi-lingual ID filler reel; 2323 `Feeling Supreme/the Healing Spring` about choosing the right shoes for babies. 2338 acknowledging S&R help from abroad after the EQ. 2339 `Did you know that?` `Something about ancient remains in Anatolia. 2343 music. 2351 s/off with sked; 2353 IS to 2355.6* uncovering XJPBS, std. denunciation (Glenn Hauser, OK)
- 5965 **CHINA China Radio Int’l** in RR to Siberia. February 13, 2023, 1522 – 1528. SIO 444. Mixed OM and YL announcers alternating. Background CC MX. Good signal easy listening. POP instrumental and ballad MX in CC follows, OM soloist. (Henley, WA)
- 5965 **CHINA China Radio Int’l** in RR to Siberia. February 16, 2023, 1513 – 1531. SIO 444. POP MX, mixed performers. Moderate QRN / QSB. YL announcer alternating with OM, giving news and commentary. (Henley, WA)
- 5990 **ROMANIA Radio Romania Intl** English 0127-42 pop/rock music; “this is Bucharest,” then “Listeners' Letterbox”; fair+; //7325 good 1/17 (Prodan-ME)
- 5995 **MALI Radio Mali** 2249, 2-14-23. Male talking in French then instrumental music and alternate talk and singing. Probable host with musical selections. Poor (Cichorek-NJ)
- 6040 **CHINA CNR-2 Business Radio**, 2302, 2-14-23. Fanfare music then talk in Chinese by male followed by martial sounding music. Fair (Cichorek-NJ)
- 6050 **ECUADOR HCJB** – Pico Pichincha, 0106-0135 Feb 3, man and woman with Spanish language talk; soon joined by several others in big group conversation. Flute music followed by station ID at 0129, several announcements before starting Quehua language program. Fair to good signal. (D’Angelo-PA)
- 6070 **CANADA CFRX**, 2308, 2-14-23. Call in program asking listeners if they received mysterious calls asking if they think the mayor of Toronto should resign. Fair (Cichorek-NJ)
- 6070 **CANADA CFRX** – Toronto, 0041-0106 Feb 4, man announcer in English with gun talk followed by “News Talk Tonight” mention and more items. Several “News Talk 10-10 mentions with traffic reports, weather and mentions of iHeart Radio. News by a woman announcer at 0059. Fair to good. (D’Angelo-PA)
- 6070 **CANADA CFRX**, 0152, 2-18-23. Interview of woman by man in English regarding the programming on Apple TV. Poor tonight with noise and fading. (Cichorek-NJ)
- 6075 **ALASKA KNLS** , Feb 11 at 0800 tune-in just as KNLS is signing on English, plays IS for one minute, then program summary of ensuing bits, “from the top of the world” --- well, not quite, and certainly do not expect any Breaking News from AK! Studios in Franklin, Tennessee. S9/+10 but says also audible at www.knls.org (Glenn Hauser, OK)
- 6105 **FRANCE NHK Japan World**, 0159, 2-18-23. 3+1 tp's to 0200 then ID by male in Japanese followed by presumed news items. Very good. Cichorek-NJ)
- 6125 **TURKEY Voice of Turkey** – Emirler, *0411-0426 Feb 17, monitored frequency from just before 0400 but nothing until transmission carrier popped on at 0411 with English service featuring a talk about shipwrecks. Nice station ID at 0417 followed

by Turkish instrumental music. Several station IDs at 0422 in different languages. Good signal. (D'Angelo-PA)

- 6155 AUSTRIA Radio Austria Int'l** – Moosbrunn, *0558-0633 Feb 11, open carrier followed by multi-language station identifications (“Radio Austria International”) over Waltz music. A woman announce r began the German language program with the news. At 0611 there were several English language audio clips mentioning “Joe Biden”, “spy aircraft” and “40,000 feet” all referring to the spy balloon shot down. At 0622 after the news, there was a program about a male singer. The station closed at 0633 which fits their new program schedule. Very good signal. (D'Angelo-PA)
- 6165 CUBA Radio Habana Cuba** Spanish 0207-11 talk about history of Guatemala; fair 1/7 (Prodan-ME)
- 6185 MEXICO XEPPM/R Educacion** 0730. Cool jazz program, reminds of Radio Nikkei One, where you never know what you are going to find. Lots of saxophone. Not heard here on earlier checks and quite enjoyable until somebody started blasting in just by the hour. Radio Nac d. Amazonia is supposed to be off now (?). Splash over is from 6180 at 0800, w/ M in Portuguese, many mentions "Brasil", rooster crowing, and a "Bom Dia". XEPPM carried on with the jazz, on thru the ToH, now with a lot of electric piano -- Good, but ACI (after 0755) 1/5 (Barton-AZ)
- 6190 CHINA China Radio Int'l** in Vietnamese to SEA. February 13, 2023, 1529 – 1534. SIO 434. YL announcer in Vietnamese with background MX. Moderate QRN / QSB. YL with long monologue. (Henley, WA)
- 6865 TAIWAN Sound of Hope** Chinese 2244-49; poor 1/2 (Prodan-ME)
- 7220 CHINA China Radio Int'l** in JJ to FE. February 13, 2023, 1535 – 1544. SIO 444, POP MX, YL singer in CC. YL announcer in JJ. Good signal, moderate QRN / QSB with flutter. YLs in JJ conversation or long dialogue. Many QRN crashes. POP MX follows. (Henley, WA)
- 7220 CHINA China Radio Int'l** in JJ to FE. February 16, 2023, 1535 – 1542. SIO 434. YL in JJ with long monologue / commentary. Instrumental MX, YL solo performer with a ballad. POP MX in JJ. YL announcer continues. (Henley, WA)
- 7255 NIGERIA Voice of Nigeria** (presumed) - Abuja Lugbe, 0634-0643 Feb 18, quickly passed through this familiar frequency to hear a man and woman announcers speaking in an unidentified language. Reception was quite poor and not improving. (D'Angelo-PA)
- 7265 TURKEY Voice of Turkey** 0211- Spanish f Ann; fair+ 1/7 (Prodan-ME)
- 7390 NEW ZEALAND RNZ Pacific** in EE to Oceania. February 16, 2023, 1522 – 1530. SIO 444. Mixed OM / YL commentators. Rebroadcast of a BBC program (?) Talk of labor union strike, work action, and resolution. (Henley, WA)
- 7390 NEW ZEALAND RNZ Pacific** in EE to Oceania. February 9, 2023, 1522 – 1538. SIO 444. A program about Catholic religion. Coverage of a Vatican Council in some detail. Mixed OM and YL commentators. Focus on Second Vatican Council. Good signal easy listening. (Henley, WA)
- 7399 BRAZIL. Radio Antares**, Feb 17 at 0723, S7 direct with music, presumed R.Antares with a better signal than last night, but further below 7400, the pirate in Pará, as reported by many others. Ron Howard found this almost hour-long recording of it via Brasília SDR, Feb 10: <https://www.youtube.com/watch?v=SCiiMTX9VyI> (Glenn Hauser, OK)

- 7425 **UNITED KINGDOM BBC** – Woofferton, *0259-0322 Jan 27, tuning signal until 0300 when man announcer gave station ID in Arabic language, Big Ben followed by music bridge before man announcer with Arabic language news. Fair signal. (D'Angelo-PA)
- 7435 **CHINA China Radio Int'l** in RR to FE. February 9, 2023, 1442 – 1451, SIO 433. YL announcer in RR with news and commentary. Moderate QRN / QSB. Listenable. YL with long monologue. MX with solo performer. POP MX with YL singer. (Henley, WA)
- 9415 **CHINA China Radio Int'l** 0805. English newscast, reporting on huge (traffic) pileup in S Korea, and other Asian news -- Good 1/16 (Barton-AZ)
- 9435 **NORTH KOREA Voice of Korea** in EE. February 9, 2023, 1513 – 1520. SIO 333. OM with news and propaganda. Long monologue with the usual praise of "The Leader." Talk of the military parade and thinly veiled threat of ICBMs reaching to the USA. YL follows with more propaganda and another long monologue. (Henley, WA)
- 9550 **ALASKA KNLS** religious broadcast in RR to FE. February 13, 2023, 1548 – 1554. SIO 444. POP MX in EE, moderate QRN / QSB / flutter. YL singer. QRN increasing. OM announcer in RR. Steep QSB increasing, OM with contact information and station ID in RR. More POP MX follows. (Henley, WA)
- 9550 **ALASKA KNLS** religious broadcast in CC. February 8, 2023, 1632 – 1639. SIO 444. YL preacher with homily in CC. OM follows. Steep QSB to JBA. MX clips. Moderate QRN, listenable. (Henley, WA)
- 9565 **UNITED STATES Radio Marti** Greenville, NC Spanish 2250-53 sports report, scores; very good 1/2 (Prodan-ME)
- 9620 **PHILLIPINES Voice of America** Chinese 2253-2300 m & f speaking; faint 1/2 (Prodan-ME)
- 9620 **ROMANIA Radio Romania Intl** English 2300-04 Interval tones, "we wish you good reception," news; fair-poor 1/2 (Prodan-ME)
- 9665 **BRASIL Radio Voz Missionaria** 2303-09 choral music "hallelujah" fair-poor 1/2 (Prodan-ME)
- 9690 **SPAIN REE** English 2309-13 talk & interview about play "Life is a Dream," & Spanish theater; fair 1/2 (Prodan-ME)
- 9690 **TAIWAN Furusato no Kaze**, Wed Feb 15 at 1628, singing in Chinese? VP with flutter, cuts off at 1629* but shortly back on a bit to 1630* off again. Noted since this would QRM SPAIN when its N American service starts at *1500 weekends. Aoki shows at 1600-1630, Furusato no Kaze in Japanese, clandestine for N Korea, via Paochung site; 9690 also at 1500-1600 CRI in Bengali via Kunming (Glenn Hauser, OK)
- 9690 **SPAIN REE**, Mon Feb 13 at 2310 after news, REE token English S9+10/20 into Maryland SDR, about World Radio Day, and Peace theme this year, listeners commenting about listening to Sefarad service; 2313 clip of Ukrainian Radio ID, which was relayed in Spain today on DAB; since they ``don't have any spare frequencies on FM``. There is a refugee center quite near to RTVE HQ, where DAB receivers were distributed. // 12030 almost as good off the back to ME; 11940 to Sam sufficient; 11685 to Africa insufficient with squeal (Glenn Hauser, OK)
- 9785 **CHINA China Radio Int'l** 1500-1559 in EN 11/9. Interview with a British English teacher. Good. Fair on 9880. (Cushman-CA)


- 9800 **TAIWAN *Nippon no Kaze*** clandestine in KK to North Korea. February 8, 2023, 1550 – 1556. SIO 444. Likely from Paochung, Taiwan. OMs in conversation, good signal. (Henley, WA)
- 9955 **UNITED STATES *WRMI*** Okeechobee, FL 0051-0100 Mike's Bluegrass Gospel incl "Man of Constant Sorrow," "Won't You Come In Friends"; fair 1/1 (Prodan-ME)
- 9955 **UNITED STATES *WRMI*** Okeechobee, FL 1427-1443 Adventist World Radio Waves can report on Dec 12 meeting of nine shortwave broadcasters at Vatican; former WWCRC manager with history of station (originally to be World Wide Country Radio), Gene Scott, transmitter fire, etc; program ID; poor 1/2 (repeated at 2317+, better) (Prodan-ME)
- 11550 **MARIANA ISLANDS *R Free Asia*** 1700, M, W, in Korean. No jamming, but utility data being sent over the freq periodically -- Fair 1/4 (Barton-AZ)
- 11620 **JAPAN *NHK World Radio Japan*** at 1720, M presenter in Japanese, older pop music tunes (i.e., Electric Light Orchestra) -- Fair to Good 1/4 (Barton-AZ)
- 11630 **JAPAN *NHK World***, 2237, 2-14-23. Female and male in Japanese with back and forth talk which sounded like a phone interview. Fair (Cichorek-NJ)
- 11660 **SWAZILAND *Trans World Radio*** 1625. Repeating tuning signal, man: "This is TWR", long talk by woman in (listed) Oromo and then Amharic after 1700 (both Ethiopia) -- Fair 1/26 (Barton-AZ)
- 11670 **CUBA *Radio Havana Cuba*** in SS to Latin America. February 19, 2023, 0051 – 0058. SIO 333. YL announcers in SS talk. Noisy signal with flutter and steep QSB. Heavy QRN. ID at 0053. MX clips, more SS conversation follows. OM joins at 0054. (Henley, WA)
- 11740 **CHINA *CNR-2 China Business Radio*** – Lingshi, 0035-0059* Jan 25, man and woman announcers talking in the Mandarin language with vocals at 0052 followed by closing talk by man and woman with instrumental music until carrier terminated. Poor signal. (D'Angelo-PA)
- 11750 **CHINA *China National Radio***, 0048-0107 Feb 9, man and woman announcers speaking in the Chinese language. Fair signal covering Voz Missionaria at tune in but slowly losing the signal battle. (D'Angelo-PA)
- 11750 **BRAZIL *Radio Voz Missionária*** - Florianopolis - Camboriú, SC, 0036-0113 Feb 19, man announcer with Portuguese language religious talk followed by instrumental music. At 0045 another man with station ID and announcements followed by religious vocal selections. Another station ID at 0101 followed by long religious talk by another man. Poor to fair. (D'Angelo-PA)
- 11780 **BRASIL *Radio Nacional da Amazônia*** Portuguese 2240-44 f & m discussing President Lula; good 1/2 (Prodan-ME)
- 11815 **BRASIL *Radio Brasil Central*** Portuguese 0119-27 music, including "Donna" in English; fair- 1/17 (Prodan-ME)
- 11830 **VATICAN *BBC*** – Santa Maria di Galeria, 1751-1829* Feb 2, woman announcer speaking in the listed Oromo language with remote speeches and various audio clips. Nice BBC station ID at 1809 as languages changed to Tigrinya. An English language lesson at 1824 "Don't put all your eggs in one basket" was the theme. Carrier cut at 1829. Fair to good signal. (D'Angelo-PA)
- 11850 **CUBA *Radio Habana Cuba*** Spanish m & f discussion; poor-fair 1/17 (Prodan-ME)
- 11885 **VIETNAM *Voice of Vietnam*** in EE to EU via Hanoi. February 11, 2023, 1620 – 1630. SIO 444. MX program. YL announcer, various performers. Ballads and POP MX. Good MX, easy listening, minor QRN / QSB. Off the air at 1630. (Henley, WA)

- 11885 **VIETNAM** *Voice of Vietnam* at 1620, M presenter and soft vocal music to the BoH, then reopening in Russian language-- Fair to Good 1/16 (Barton-AZ)
- 11895 **BRAZIL** *R. Legiano da Boa Vontade*, 2216, 2-14-23. Male with religious talk and musical fanfare and "hallelujahs". Brief talk by female then abrupt end of transmission. Poor (Cichorek-NJ)
- 11905 **SRI LANKA** *Sri Lanka Broadcasting Corporation* – Trincomalee, 0214-0230* Jan 27, woman announcer with Arabic language talk followed by vocals at 0216. Mix of woman talking and music selections until carrier terminated. Poor. (D’Angelo-PA)
- 11910 **THAILAND** *Voice of America* 1444-49 (Tibetan) m & f Ann; poor 1/2 (Prodan-ME)
- 11940 **SPAIN** *REE* Spanish 0114-17 2 f talking, some music; poor 1/17 (Prodan-ME)
- 11960 **CHINA** *CNR Voice of China* Chinese 0110-14 m & f Ann; poor 1/17 (Prodan-ME)
- 12050 **UNITED STATES** *WEWN* Vanier, AL Spanish 1449-53 m & f; fair-poor 1/2 (Prodan-ME)
- 12120 **PHILIPPINES** *Radio Filipinas* 1740, woman, and man in Filipino/Tagalog, under Ute and CODAR radar pulsing, but still making it thru -- Fair , CCI 1/4 (Barton-AZ)
- 13580 **CHINA** *China Radio Int’l* in CC to SEA. February 19, 2023, 0021 – 0026. SIO 444. YLs in debate / discussion in CC. Echo on the signal. Moderate QRN. Listenable. (Henley, WA)
- 13695 **INDIA** *All India Radio* in CC to FE. February 19, 2023, 0028 – 0032. SIO 444. All India Radio External Service in Mandarin to FE. Listenable. (Henley, WA)
- 13705 **JAPAN** *NHK Radio Japan* in Burmese to SEA. February 19, 2023, 0035 – 0042. SIO 555. Good signal. OMs in discussion with a long dialogue. Moderate QRN / QSB, listenable. YL takes over at 0040. (Henley, WA)
- 13710 **SAUDI ARABIA** *SBA Holy Quran Radio* in AA to North Africa. February 8, 2023, 1544 – 1549. SIO 333. OM chanting verses from the Quran. Heavy QRN, steep flutter. Noisy signal, but listenable. (Henley, WA)
- 13740 **FRANCE** *Radio France Intl.* 1910 Woman, man, in French. News magazine? Def French and not Spanish, so NOT RHC. -- Poor to Fair; Choppy 1/4 (Barton-AZ)
- 13750 **THAILAND** *Radio Thailand* – Udon Province, 0007-0034 Feb 19, man and woman announcers with the English news with “Radio Thailand FM 88” station ID. The program was called News Hour with promotional announcements and features. English program ended at 0029 with carrier terminated but quickly reopened at 0030 with Thai language program but much weaker. Fair signal. (D’Angelo-PA)
- 13750 **THAILAND** *Radio Thailand* – Udon Province, 0024-0047 Feb 9, man and woman announcers with the English news featuring economics. The woman mentioned “last story of the day” at 0028 shortly before the carrier was terminated. Returned quickly with the Thai language program. Fair to good signal. (D’Angelo-PA)
- 13750 **THAILAND** *Radio Thailand* – Ban Dung, Udon Thani Prov, *0000-0034 Jan 25, woman and man announcers with opening station ID and announcements for English language news program. Transmitter break at 0003 returning at 0011 with an ID (“You are listening to Radio Thailand News”) followed by a wellness clinic ad before returning to news items. No Voice of Thailand station IDs so apparently now only announcing Radio Thailand. Carrier cut mid-sentence at 0029 but carrier quickly returned for the Thai language program at 0030. Fair. (D’Angelo-PA)
- 13840 **UNITED STATES** *WWCR* 3 Religious program in EE to from Nashville, TN to NAM. February 19, 2023, 0043 – 0050. SIO 444. YL preacher talking about raising people

from the dead. This sounds more like either a fairy tale or a hoax. In any event, it doesn't seem credible. (Henley, WA)

- 13845 UNITED STATES WWCR** 3 religious broadcast in EE from Nashville, TN. February 9, 2023, 1435 – 1439. SIO 222. Gospel singing. OM preacher. Choral singing and instrumental MX. Overall poor. Heavy QRN. Steep QSB to inaudible. (Henley, WA)
- 14589 ITALY [non]. IRRS SW**, Fri Feb 17 at 1813 IRRS SW via BULGARIA, rock music, S7/S8 into UTwente on 2 X 7294.998 where it's S9+30. Recheck 1857 already very heavy 7295 CCI from CRI English, or rather ``CGTN Radio`` as ID in the clear at 1900: HFCC registered as 500 kW due west from Urumqi, i.e. EAST TURKISTAN, land of imperialist ChiCom genocide against Uyghurs and other Moslems (Glenn Hauser, OK)
- 15190 BRAZIL Radio Inconfidencia** in PP with a domestic program. February 18, 2023, 2349 – 2354. SIO 222. Noisy signal, poor listening. (Henley, WA)
- 15300 FRANCE Radio France Int'l** French 1751- m + f Ann "actualities"; fair //15485 poor 1/16 (Prodan-ME)
- 15310 GERMANY Bible Voice BCN** 1720 (Amharic - to Ethiopia), Long lecture by man - - Fair 1/26 (Barton-AZ)
- 15340 CHINA CNR 1 Jammer** in CC. February 18, 2023, 2355 – 2400. SIO 444. Strong signal jammer to FE. This signal is probably jamming the "Sound of Hope" from Taiwan. Off the air at 0000 UTC. (Henley, WA)
- 15355 MADAGASCAR AWR** 1932 some English, military mentioned; 1940-54 address & telephone, then choral singing & preaching in Igbo (listed); faint 1/9 2000-2008 French "bienvenue"; fair 1/9 (Prodan-ME)
- 15370 ROMANIA Radio Romania Intl** Romanian 1454-1520 pop music, m Ann with station ID; fair-poor //17790 very poor with overlay of WRMI 1/16 (Prodan-ME)
- 15425 CHINA CNR 1 jammer** in CC. February 19, 2023, 0003 – 0007. SIO 444. Probably jamming VOA from Tinang, Philippines. Strong signal, effective jamming. POP MX follows. (Henley, WA)
- 15435 PHILIPPINES FEBC** (Far East Broadcasting Company) Bocaue in Shan to SEA. February 19, 2023, 0011 – 0016. SIO 333. POP MX, OM with long monologue. FEBC religious program. Choral MX follows. QRN increasing. (Henley, WA)
- 15460 SAO TOME Voice of America**, 1805. Logged on Zenith T/O and extended telescoping rod, w/ M and W in (listed) Shona (Zimbabwe) dialog (sounded like magazine interview) -- Good 1/16 (Barton-AZ)
- 15460 SAO TOME Voice of America** 1800. Listed in Shona (Zimbabwe) language, but in English now, and with magazine pgm, informing African audience details of the US Congress chaos. Male Ann moderator in accented English -- Good 1/4 (Barton-AZ)
- 15490 ASCENSION ISLAND BBC** Hausa 1954-59 m & f talking; off at 1559; poor 1/9 (Prodan-ME)
- 15550 FRANCE Radio Dabanga** clandestine via Issoudun. February 8, 2023, 1621 – 1627. SIO 444. Target Sudan. OMs in animated Sudanese Arabic. Moderate QRN / flutter. Noisy signal, but listenable. (Henley, WA)
- 15565 VATICAN STATE Radio Vatican** in Swahili, target East Africa, via Santa Maria di Galeria. February 8, 2023, 1614 – 1620. SIO 444. OM with animated Swahili. Moderate QSB / flutter, moderate QRN. Choral singing. (Henley, WA)

- 15565 VATICAN STATE *Radio Vatican*** in EE, target, East Africa. February 11, 2023, 1634 – 1640. SIO 444. OM announcer. YL reading from Saint Paul. Via Santa Maria di Galeria. Various speakers with scripture readings, minor QRN / QSB. (Henley, WA)
- 15580 BOTSWANA *Voice of America*** English 1833- Sonny Side of Sports interview with f South African marathon runner; 1920- news analysis, Brazil, Comet ZTF; 2006-2100 African Beat, nice mix of music; fair 1/9 (Prodan-ME)
- 15680 GUAM *Adventist World Radio/KSDA*** 2200. Opening TX for Indonesia in Dayak, then going to Indonesian at the BoH. Logged on Zenith Transoceanic portable and telescoping rod antenna with VG reception. A couple of cuts of some very nice female vocal music Very well heard ID by woman in English and followed by another presenter with same ann in Indonesian-- Very Good 1/26 (Barton-AZ)
- 15730 UNITED STATES *Voice of America*** Greenville, NC French 2016-2020 2 m talking; very good 1/18 (Prodan-ME)
- 15730 UNITED STATES *Voice of America*** Greenville, NC French 2009-23 rap/hip-hop "Get Away, Get Away Now," then English lesson to 2019 "mot du jour" is "mind," examples of usage, then song; good 1/9 (Prodan-ME)
- 17600 ALGERIA *Radio Algerienne*** – Bechar, 1716- 1809 Jan 25, man announcer with long recitation until another man began talking in the Arabic language at 1729. After brief instrumental music another man announcer with the news. Vocals from 1744 with 5+1 time pips at 1800. Fair to good. (D'Angelo-PA)
- 17790 ROMANIA *Radio Romania Intl*** Romanian 1454- music, m Ann; poor 1/2 (Prodan-ME)

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. 

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