

The **NASWA** Journal

VOLUME LVII NUMBER 8

AUGUST 2017

CARTERA 491 QUITO-ECUADOR

HCJB

LA VOZ DE LOS ANDES



LA VOZ DE LOS ANDES

QUITO, ECUADOR

Hoy Cristo Jesús Bendice

HCJB

Heralding Christ Jesus Blessings.

HCJB

QUITO ECUADOR
30 YEARS 1931-1961



SETE ONDAS

QUITO

- 300 metros (974 kilociclos)
- 13 metros (21.07 kilociclos)
- 45 metros (6.66 kilociclos)
- 30 metros (10.00 kilociclos)
- 24 metros (12.50 kilociclos)
- 18 metros (16.66 kilociclos)

GUAYAQUIL

- 405 metros (74 kilociclos)

South America Calling

HCJB



Al Jr.
Lo confirmamos la recepción de vuestro programa el día 8 de julio de 1958
Con la Onda de 20 m. Potencia de 200 watts

QUITO-ECUADOR S.A. Agradecemos su reportaje.
LA VOZ DE LOS ANDES Director: R.B. Gaudin

DX PARTY LINE
Radio Station HCJB
Quito, Ecuador



HCJB

UNIVERSAL
1931-1981

Dr. & Mrs. Clarence W. Jones - Co-founders
50 years later



Clayton & Helen Howard - Hosts

20th ANNIVERSARY
QSL CARD
May 29, 1981



CORREOS DEL ECUADOR

LA RADIO

HCJB

75 AÑOS

1931 PRIMERA TRANSMISIÓN DE HCJB RADIO

USD 1.00

Quality Radio Equipment Since 1942

eton

FREE!



Get a **FREE Eton Mini** with your purchase of an Eton Satellit, Field or Satellit 750 from Universal Radio! The Eton Mini receives AM, FM plus shortwave from 5.6-10 and 11.65-18 MHz. Include: rich orange digital display, scanning, metal grip, clock-alarm, key lock and earphone jack. Requires two AAA's (not included). With carry pouch. Only 4.3" x 2.7" x 0.47". #0184 A \$45.00 value!



Eton Satellit
#0050 \$199.95



Eton Field
#0018 \$119.98



Eton Satellit 750
#0750 \$349.95

2017 WORLD RADIO TV HANDBOOK

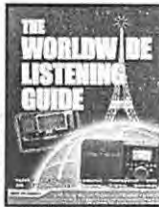
This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, radio club info., plus receiver reviews. WRTH Pub. #2016711* Edition. 672 p. List price \$49.95. Available 12/20/16.

Order #6017 \$44.95



WORLDWIDE LISTENING GUIDE

By J. Figliozzi. Modeled on the author's popular *Worldwide Shortwave Listening Guide*. This new book covers all of today's format-live on-demand, podcast, satellite, Internet, digital, analog, AM, FM, shortwave and wi-fi. Learn what can be heard how, where and when! Spiral bound 7th Ed. 160 p. #2015. Order #2861 \$29.95



PIRATE RADIO ANNUAL 2015-16

By A. Yoder. Pirate radio is alive, well and offers a tremendous range of programming. The author introduces the topic, provides insights on tuning and QSLing pirates and provides an extensive review of pirate activity for the previous year, covering domestic and international pirate stations heard in N. America. Includes an amazing audio CD of 92 pirate stations! #2016 Cabinet 230 p. Order #6555 \$16.95



SHORTWAVE RECEIVERS PAST & PRESENT 1942-2013

By F. Osterman. A comprehensive guide to over 1700 shortwave, amateur and commercial communications receivers (plus 1200 variants) made in the last 70 years. With 1800 photos and information including: coverage, circuit, display, features, performance, how & used values (for most), reviews, etc. Over 360 manufacturers are represented. Become an instant receiver expert. Hard bound Fourth Ed. Second Printing. #2014 URR. 800 p. Order #0004 \$49.95



ICOM

Coming early 2017!

IC-R8600



The Icom IC-R8600 wideband communications receiver raises the bar on sophisticated radio monitoring. This ground breaking receiver made its world debut at the *JARR Tokyo Ham Fair* on August 19, 2016. The IC-R8600 covers 0.01-3000 MHz (less cellular) in analog and decodes multiple digital protocols, including D-STAR™, NXDN™, dPMR™ and APCO P25. It has a large 4.3 inch color TFT touch screen display with fast spectrum scope and waterfall display. The advanced circuit employs modern FPGA/DSP base architecture with traditional superheterodyne circuitry. Optional RS-R8600 PC remote control software allows control of all receiver functions. There is a convenient SD card slot for received log, decode log and voice recording. The rear panel features: 10.7 MHz IF Output, LAN Port, Mute Line, Reference I/O, I/Q output, External speaker jack, AF/IF output, CI-V remote terminal, USB port, DC power input jack, S meter output jack, Aux., 3 antenna jacks (N SO239/RCA) and ground terminal. The I/Q signal output supports use with third-party SDR software and/or external decoding.

An optional Icom SP-39AD (#20785) external speaker with integrated power supply will be available. The IC-R8600 will be available in both consumer (#00867) and government (#05865) versions.

Full features, specifications, pricing and availability were not announced by Icom as of press time. Please check www.universal-radio.com for the latest updates or in a coming new receiver. This new model is expected early 2017. This device has not been approved by the FCC. This device may not be offered for sale or lease or sold or leased without approval of the FCC. All stated features, specifications, prices and availability are subject to change without notice and the Icom logo are registered trademarks of Icom Corporation (United States and other countries). ©2016. It is a trademark of Icom Corporation and FCC. All other trademarks and the Icom logo are trademarks of the ICOM GROUP ASSOCIATION.

Universal Radio, Inc.
6830 Americana Pkwy.
Reynoldsburg, OH 43068
800.431.3939 Orders & Prices
614.866.4267 Information
614.866.2339 FAX
dx@universal-radio.com
www.universal-radio.com

www.universal-radio.com

Please stop by for a look. We offer a wide selection of new and used shortwave equipment, antennas and books.

UNIVERSAL BUYS RADIOS

Call, email or write and tell us what you have to sell. We can provide a quote, subject to inspection.

2017 CATALOG
Call or email us today to request your free 128 page catalog!

+ U.S.A. flat-rate shipping: Under \$50=\$5.95,
\$50-\$100=\$8.95, \$100-\$500=\$9.95, \$500-\$1000=\$14.95.

Excludes Alaska, Hawaii and Puerto Rico

universal radio inc.

Quality Communications
Equipment Since 1942

Prices and specs are subject to change.
Prices shown are after mg's. coupons.
Returns are subject to a 15% restock fee.

NASA Notes

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

For many years, NASWA maintained a very close working relationship with the World DX Club which was based in Northampton, England. We were particularly close with the people that ran that organization, **Arthur and Olive Ward**. As a result, the clubs had several members in common from both sides of the Atlantic Ocean. I recently learned from Alan Roe and from Graham Ward that Arthur recently passed away at age 92 on 13 July and that Olive passed away about eighteen months previously. The Wards were a wonderful couple and great people to know. They devoted a lot of time and energy to the radio listening hobby for the betterment of other radio hobbyists. The radio listening hobby lost two very good people. RIP Arthur and Olive Ward!

For many of us, HCJB was one of the first international shortwave broadcasters we heard while tuning the bands. The station was very friendly to listeners and the *DX Party Line* program, hosted by **Clayton and Helen Howard**, was a favorite. This month's cover celebrates the many years we enjoyed HCJB. Thanks to **John Herkimer** who developed this month's cover. Clayton and Helen Howard can be seen in the lower left hand portion of the cover design. By the way, HCJB still broadcasts on shortwave using only 6,050 kHz and can be heard in our evenings signing off around 0230 UTC. Why not send **Jerry Lineback** a Musing with your memories of HCJB?

Last month's Radio Canada International's cover was well timed with **Ian McFarland** celebrating his 80th birthday in July. Happy belated birthday wishes to Ian. As many of you know, Ian attended several Winter SWL Festivals and was often seen at ANARC Conventions. In fact, Radio Canada International hosted ANARC gatherings in the past. Ian was a terrific supporter of the shortwave listening hobby.

It's not too late to make it to the 2017 Madison-Milwaukee Get-Together which is returning to Oak Creek, Wisconsin this year. The 24th annual get-together is on Saturday, August 19th. It will be held at **Tim Noonan's** place at 801 E Park Blvd, the same as in recent odd-numbered years. Come join the fun—this event has a strong history of attendance by shortwave radio hobbyists. E-mail Tim at <DXing2@aol.com> or phone him at 414 813-7373 if you'd like more information on the gathering. This is a terrific gathering which I have been able to attend a few times when traveling to visit family and highly recommend being there. It is a great opportunity to meet other like-minded radio hobbyists.

Don't forget to pick up your free copy of the *World Radio Television Handbook (WRTH) A17* International broadcasting schedules file. The PDF file is 75 pages long and contains the broadcast schedules of nearly 200 International and Clandestine/Target broadcasters. The file is free to download and can be used as a standalone item, but it is best utilized in conjunction with the printed WRTH. Go to <http://www.wrth.com> and follow the links for the A17 pdf download.

With the new DX season just around the corner, now is an excellent time to pick up the free download of the 19th edition of *Domestic Band Survey (DBS)* edited by Anker Petersen which available for downloading at www.dswci.org. This year became the first year that the DBS is offered free of charge to all those shortwave radio listeners interested in the tropical bands and domestic stations. The cover features a Tahitian dance to Bora Bora drums at Polynesian Cultural Center in Hawaii captured by Anker during his travels. The monthly Tropical Bands Monitors can also be found here, free of charge! This is an excellent resource and the price can't be beat! See Anker's Trends

Unity and Friendship

in Tropical Band Broadcasting 2017 in the Shortwave Center for the latest update on what is going on in this part of the shortwave spectrum.

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



Musings

Jerry Lineback • 3851 Sunview Dr. • Paradise, CA 95969-8106 • jalinebk@gmail.com

Please e-mail musings as MS Word attachments to jalinebk@gmail.com or mail to 3581 Sunview Dr., Paradise, CA 95969-8106. Next deadline is August 23, 2017.

Ronald Sives, rgsives@gmail.com, 1126 S. 9th St., South Plainfield, NJ 07080

Thank you for printing my letter. Just got the latest issue a few hours ago. But, the hard copy lists an o where there should be a g (RGSIVES@GMAIL.COM). Also, the town is listed as Plainfield instead of South Plainfield. Important, because I wanted Ed Cichorek to see this information. He lives in my area. Also gives me a chance to wish you a happy Fourth.

73, Ron Sives

Bill Riches, bill.riches@verizon.net, via yahoo.com

RE: NASWA Journal July cover - I wonder if it is Barbara Budd in the picture with Ian? I listened to RCI every evening and recorded Barbara's last program in 2010 and could you put that up on my drop box if you think anyone would be interested.

73, Bill, WA2DVU, Cape May, NJ

Bill Tilford, Chicago, IL

As I am writing this, one of the Facebook groups dedicated to shortwave listening, the Shortwave Radio Listeners Appreciation Group has an open poll that asks:

"What station do you listen to without tuning away from it after a few minutes?"

An interesting common denominator is that the top ten have at least some significant music programming. (I'm not naming them right now because the poll is still open.) I find this interesting because music was often the first thing thrown out during the death throes of many stations, probably using the logic that "gosh, there is higher fidelity music available on line now". The problem with that logic was that from a certain point of view, the same is true for news and commentary, which you can get with pictures and more online.

Today's shortwave survivors take the trouble to bond with their listeners, and that, of necessity, means having culture, especially music, in the mix. (Romania, which is high up in the poll right now, does a spectacular job of this, and Greece is up there for its intoxicating music - it has to be that, as most of us don't understand a word.)

This mistake sucked the lifeblood out of so much of mediumwave AM as well, and had the news-only mentality fully carried the day at VOA, we might not have it around today.

Word to the survivors - even when we come for the news, when we stay, we stay for the music and culture. Never forget that.

Bill

Vince Henley, vincehenley@earthlink.net, Anacortes, Washington

About a year ago, I was lamenting that all the high-end HF receivers that were "reasonably" priced had disappeared from the market. Watkins-Johnson, Harris, and Ten-Tec were all gone, and the ICOM high-end receiver was selling for over \$12,000, too rich for my blood. Even the lesser HF receivers, like the ICOM R-75, the JRC NRD-545, and the Drake R8B had all gone. I had been down this road before, delaying a purchase until it was too late. Ten-Tec had disappeared from the radio universe, but I sent off a note to the new owner (Dishtronix) inquiring about the possibility of the RX-340 or a successor being available in the near future. To my surprise, I got a reply back from Steven M. Dishop, ("Mike"), saying that the RX-340 was actually in production and I could have one whenever I wanted. My impression was that the production was being absorbed by various U. S. government agencies but that they could peel one off the line and get it to me.

I didn't hesitate and sent them a check in early September 2016 and received my RX-340 in the second week of October. I've been enjoying it ever since, and while there were a few minor glitches with the unit, the service response was outstanding, and all problems were quickly resolved. There have been no other problems of any sort.


This is a very fine HF receiver and I know that some other NASWA members have one and can support this assessment. I added a Hammond rack case to mine in a compatible light gray color, and the combination looks very impressive. The rack case is not ventilated except for an open back, and I was initially concerned about the possibility of heat build-up. I was prepared to punch holes in the rack case if needed, but after hundreds of hours of operation, I can assure everyone that there is no heat build-up. The RX-340 generates so little heat that the open back is sufficient ventilation. The top of the rack case does not even get warm.

The manufacturers for the gear we use in our arcane hobby need our support or they can't stay in business. Ten-Tec is one that deserves consideration if you are looking for a high-end DSP receiver. Yeah, I know that SDRs are all the rage today, but I'm old-fashioned and like to twiddle knobs, the more the merrier. If you are like-minded, give the RX-340 consideration and help keep Ten-Tec alive.

Vince

Please support Musings by contributing your thoughts. Thanks to our contributors. 73 de JAL 

NASWA Yahoo Group

Join moderator **Dan Ferguson**, the club's Yahoo 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 <http://groups.yahoo.com/group/NASWA/>. Any club members wishing to participate in the NASWA Yahoo Group, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Yahoo should contact Dan direct by e-mail for further information. Dan can manually add you to the group. 

Listening Review

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

Hello and welcome to Listening Review for August.

Music on Shortwave (and Longwave)

Rafael Martínez who wrote to my listening Post column in the BDXC Communication magazine, writes:

"One of my latest discoveries is the programme *Diwane* on Radio Alger Chaîne 3. RTA website describes the show with a very brief "grand Maghreb music"—the grand Maghreb is formed by Libya, Tunisia, Algeria, Morocco and Mauritania—It was needed surfing on the web to get some additional information. Diwane is the name given in Algeria to the music played by the Gnawa (or Gnaoua) community, descendants of South Saharan Africa black slaves deported to North Africa after the Maghreb Muslim conquest. Gnaoua in Berber means black man or original from a black men country. The show is one hour long, in French, usually dedicated to an only artist or band, sometimes includes interviews with the musicians. Besides Gnaoua music also is played music labeled in the World Music scene as "Tuareg Rock" or "Desert Blues". Diwane is produced by Amel Feddi et Amine Fedala for Radio Alger Chaîne 3, aired every Saturday at 1904 on 252LW, FM and online at <http://www.radioalgerie.dz/player/fr/live/chaîne-3> a repeat is scheduled Sunday at 0300. Old programmes are available to hear and download at <http://www.radioalgerie.dz/chaîne3/diwane>

"For anyone interested, my LW/MW/SW/FM music programmes lists can be downloaded at:

<https://rclubvic.wordpress.com/2017/04/29/lletes-de-programmes-de-radio-primavera-2017/>.

"The Ukrainian Dixer Aleksandr Egorov keeps updated his LW/MW/SW music programmes lists; the SW listings are at:

<http://dxing.ru/informatsija/54-muzyka-v-am-efire/1275-muzyka-na-kv-po-vremeni.html>

"But for me is especially valuable the MW list with interesting suggestions on music programmes on East European stations:

<http://dxing.ru/informatsija/54-muzyka-v-am-efire/1310-muzyka-na-svdv-po-vremeni.html> "

Thank you to Rafael.

Incidentally, my own Music on Shortwave list previously included a reference to Xmas Radio on Mondays 0000-0100UT on 9395 and 9455kHz via WRMI. I had a nice email from the show's producer, Alan Fahrner, in which he mentions that the correct program title should be *Countdown2.Christmas Radio*. I have now updated my list accordingly. I did find it a little odd to listen to Christmas music outside of the Christmas season, but there are some great Christmas tunes around, so why not? I recently listened to their 24 hour webstream at <http://www.c2c.audio/>, and found it quite enjoyable with songs from Doris Day, Nat King Cole, Bing Crosby, and The Supremes. The Monday 0000-0100UT transmission is live where, as their jingle says, it is "... OK to listen to holiday music the year round".

Anyone who would like a copy of my full Music on Shortwave list (in programs in English and other languages) will find a copy available for immediate download in the files sections of the NASWA Yahoo group and the NASWA facebook page, or e-mail me at alan-roe-swl@mail.com, and I can forward you a copy.

R Romania Int

There are so many interesting programs on R Romania Int that almost any day that I tune to this station I find something of interest.

Fortnightly on Sundays through to UTC Monday is *Panorama* which is a compilation of a selection of recent programs, and on 9 July at 1700 (11810kHz) *Panorama* included an item from their regular *Business Club* about the production and sale of bottled water.

"[...]Unfortunately, at present Romania does not have clear legislation for the water that is being bottled. Hundreds of water producers have emerged in recent years in spite of the fact that Romania only has 68 licensed brands. Radu Dumitru: 'The lack of clear legislation in terms of bottled water in Romania has allowed for the emergence of a new category of bottled water on the market, the so-called 'table water' or 'spring water', whose sale is not regulated at present, and which holds quite a lot of the mineral water market share. [...]."

"There are only 30 mineral water bottling companies in Romania, while the other companies are local producers that operate without a licence. In this case, consumers find it hard to choose from among 20 or 30 types of water, many of which are sold at very low prices. As of this spring, Romania has a new list of licensed mineral waters approved by the National Mineral Water Company. Radu Dumitru: '[...] I can safely say that only half of what's on sale on the market is carefully tested and consists solely of natural mineral waters. The other types of water on the market, such as table water or spring water are not thoroughly tested before being licensed.[...]'"

It is astonishing that half of all bottled water being sold in Romania is not fully tested and is unregulated! *Business Club* is first aired in all transmissions weekly on Tuesdays (from 1100UT through to Wednesdays 0530UT).

On 10 July at 2030UT (9610kHz) RRI included the, always interesting, *History Show*, which told the fascinating story of

Operation Neptune instigated to safeguard the National Treasure during World War Two.

"[...] In April 1944 the Allies heavily shelled [...] the capital Bucharest, and the headquarters of the National Bank were in real danger. It was then that the issue of moving the treasure to a safer place emerged. The government started talks with two states, Turkey and Switzerland. The Turkish authorities said they could not receive the treasure as the Turkish laws did not allow that, while Switzerland, although open and willing to receive it, said that the passing of the convoy carrying Romania's treasure through the centre of Europe, which was controlled by the German army, posed a great risk. [...] The Romanian bankers decided on the Tismana monastery, the oldest monastic settlement in Wallachia, dating to the end of the 14th century. [...] They requisitioned several villas near the monastery where soldiers as well as bank and government staff were stationed to ensure the protection of the treasure and of the monastery.

"[...] The transportation of the treasure started on July 2 1944 in 5 national bank wagons. 75 transports were made during a period of 15 days. [...] In Tismana, the soldiers were dressed in monastic robes to avoid drawing the attention of those who were eager to get their hands on the treasure. [...] The national bank experts decided to move the treasure into a pit near the monastery. A team of miners from the Jiu Valley was called to make the pit. They used about 100 cubic meters of concrete to shield inside the pit that was to keep the treasure safe."

There is now a museum at Tismana Monastery in memory of that successful operation. A very interesting account. The *History Show* is aired in all transmissions weekly on Mondays (from 1100UT through to Tuesdays at 0530UT).

Stories on Shortwave

I do enjoy book/story readings and drama/radio play programs on shortwave, however

there are relatively few such programs to be found. But there are some.

R Ukraine Int

R Ukraine Int has such a weekly program called *Reading Lounge* on Tuesdays (which I heard via WRMI on 11 July at 2330UT). It is an audio book reading program with audio versions of Ukrainian classical and modern literature. RUI are currently reading a story called *The Fatal Eggs*. It is well-read, includes a little incidental music to liven up the reading. My only criticism of this reading, (and this is something that I have noticed on occasion on other stations where the reading continues week-by-week) is that the reader launched straight in to where the previous episode ended without any context setting, or even a brief recap for newcomers to the reading or to remind existing listeners of where the story had reached. However, this aside, I enjoyed the program and add it to the list of recommended programs.

The background to the current story itself is quite interesting, as I find in this Wikipedia entry:

"The Fatal Eggs is a science-fiction novella by Mikhail Bulgakov, a Soviet novelist and playwright whose most famous work is *The Master and Margarita*. It was written in 1924 and first published in 1925. The book became quite popular, but was much criticised by some Soviet critics as a satire of the Russian Revolution of 1917 and the leadership of Soviet Russia."

The Reading Lounge is aired Tuesdays at 2330 and Wednesdays at 0200UT on 11580kHz via the facilities of WRMI.

PCJ Radio Int

On a similar note, I was very happy to listen again to the radio play "At The King's Pleasure" produced for Radio Netherlands and originally aired in 1972. It was aired this time in a special summer holiday edition of the *Happy Station Show* from PCJ Radio Int (via WRMI at 0100UT on 11580kHz

on 12 July). This was some fifty minutes long and it is a rare treat to have a single play running that long on shortwave. I think that PCJ aired this a year or so ago, but it was well worth a repeat, and I hope that Keith Perron has some more of these tucked away in the Radio Netherlands archives for airing in the future.

China R Int

Staying with the same theme, one of my favourite programs from China Radio International is *Alight on Literature* ("bringing to life China's literary heritage"). (Incidentally, I find the series title *Alight on Literature* a little strange. I wonder if it should have really been *A Light on Literature*, which would seem to me to be more apt). Anyway, the series recently featured a reading from the book *Mao Zedong: Man Not God*. The book was a biographical look at Mao through the eyes of one of his bodyguards from 1947-1962, and written as a first person narrative. The publisher's blurb for the book, which I found on the web, reads in part:

"(the) revealing, intimate, never-before-published recollections of Li Yinqiao, Mao's bodyguard, and brought to light by the author Quan Yanchi. After fifteen years of devoted service, Li received this request from Mao: 'If what happens in my family is a secret to others, it is not a secret to you. But don't write about me while I'm still alive; wait until I die, and write truthfully when you do.' For the first time, the personal, inside story of China's dynamic leader and world statesman is told - the life and thought of Mao, the husband, father, comrade-in-arms, the peasant's son."

As of the episode on 30 June (which I heard at 1330UT on 13670kHz), we were up to part 20, and hearing Mao giving dating advice to his bodyguard! I suspect that there has been much, shall we say, "poetic licence" in the telling of this tale, but it is none-the-less quite entertaining. I first caught the this reading at the end of the broadcast on 16 June with the announcer asking us to tune for the next part which covers the "national

tragedy in the form of the Cultural Revolution" which is a notable announcement for two reasons. Firstly, who (especially listeners who remember the old R Peking) would ever have imagined hearing the Cultural Revolution being described as a national tragedy on Chinese radio. Secondly, the Cultural Revolution did not start until 1966 and this book apparently covers the period 1947-1962. I guess that the announcer possibly meant to refer to The Great Leap Forward which ran from 1958 to 1962.

The readings were very well read by Ian Reed, an English voice actor, although I found it a little hard to accept the choice of an Irish accent given to dialogue by Mao Zedong.

The current series of readings is from a book written by a Malaysian-Chinese scholar in 1915 entitled "The Spirit of the Chinese People" comprising a series of articles about the impact of Confucianism on the Chinese People and culture.

Alight on Literature is heard Monday to Friday at 1630 and 2030UT, and Tuesday to Saturday at 1330UT.

RAE Argentina to the World

A welcome development over recent weeks has been the relays of RAE Argentina to the World via the transmitters of WRMI, Okeechobee and of the Shortwave Service (SWS) in Germany. Finally, I can get to hear some of the programming from this station. Unfortunately, English is relayed in the early hours (UTC) so too late for me here in Europe, but other languages can be heard earlier in the evening and provide an opportunity to hear some great Argentinian music.

The basic features schedule is the same in all languages, as follows:

Monday: Our Football; Argentine Tango.

Tuesday: Argentinians Sans Frontiers; (In Touch with) The Folklore Reality

Wednesday: The Talk; Argentine Routes

Thursday: Welcome; Science & Technology

Friday: Actualidad DX.COM.AR; Shared Stories

However, note that the actual WRMI transmissions all comprise the content of the previous "Program" day. The SWS transmission comprises that day's "Program" day; as follows:

UTC	Lang	B'cast Day	"Prog" Day	Freq
0100	English	Tue-Sat	Mon-Fri	9395
0600	Japanese	Tue-Sat	Mon-Fri	7730
0700	English	Tue-Sat	Mon-Fri	5850 7730
0800	Chinese	Tue-Sat	Mon-Fri	5850
0900	Japanese	Tue-Sat	Mon-Fri	5850
1100	Portuguese	Mon-Fri	Fr, Mo-Th	9955
1300	French	Mon-Fri	Fr, Mo-Th	11580
1400	Spanish	Mon-Fri	Fr, Mo-Th	11580
2100	German	Mon-Fri	Fr, Mo-Th	11580
2100	German	Mon-Fri	Mon-Fri	3985
2200	Italian	Mon-Fri	Fr, Mo-Th	11580
2200	Spanish	Mon-Fri	Fr, Mo-Th	5950

V of Greece

I'll end this month with a quick mention of V of Greece which rarely disappoints with its music programs in European evenings and overnight. Plenty of "typical" Greek music, also jazz and classical music feature regularly. On 8 July at 1900UT (on 9420kHz) was a recorded live concert of covers of Beatles songs, including such greats as Lady Madonna, Yesterday, Eleanor Rigby, Hey Jude and Yellow Submarine. Another very enjoyable hour from VoG!

Until next time - good DX and SWL.

Alan

International Broadcasting

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

VOA in the news. Or at least in a blog.

On July 26, the Voice of America warranted a story in the Washington Post, or at least its blog The Fix. Blogger Callum Borchers wrote:

"How, I wondered, might a president who craves adoration use his power to ensure that he gets it from Voice of America, the news source he could most easily control, if so inclined?"

"Honestly, there has been no change since Trump's inauguration, Voice of America Director Amanda Bennett told me. 'I find even my friends have a hard time dealing with this.' ...

"According to Bennett, the president's rhetoric has not been attended by even the slightest attempt to alter coverage in his favor. Until she sees otherwise, Voice of America's director is giving Trump the benefit of the doubt."

I'm not sure why VOA, these days mostly under the radar, received this attention by the Post. It should be noted that Bennett is married to Donald Graham, former publisher of the Post. This could have been enough to wangle coverage for VOA, which might need some preemptive bolstering before a Trump appointee eventually assumes authority.

Entirely unmentioned in The Fix blog post is that VOA has recently received negative publicity stemming from its suspension of the VOA Mandarin Service chief and four staffers. This was a result of an April interview with Guo Wengui, a U.S.-based Chinese businessman wanted by the Chinese government. VOA said that the suspensions were "based on the journalistic principles of verification, balance and fairness that are standard industry practice and apply universally to all VOA services."

The VOA Mandarin incident *has* received plenty of unfavorable coverage in BBG Watch, a website by a former VOA Eurasian Division director and unfriendly to the present management of VOA and the Broadcasting Board of Governors.

And the real story, sidestepped in the blog post, is that the Trump administration has dawdled in nominating its political appointees. Bennett, appointed by the BBG during the Obama administration, is biding her time until new leadership arrives. A rider to the FY2018 Defense Authorization Act abolished the power of the Broadcasting Board of Governors to name the directors and presidents of the BBG entities. Instead, a politically appointed CEO will do that henceforth.

That CEO could be A) a professional journalist or B) a policy advocate. The chatter is that Michael Pack, departing CEO of the conservative Claremont Institute, will be tapped for the job. Pack is no gumshoe journalist, but he has produced documentaries. As CEO, he could "go native" and protect the independence of BBG journalists. Or, given his conservative credentials and remit to adhere to Trump directives, pursue Option B.

Whither Radio Free Asia?

Donald Southerland, the retired executive editor of Radio Free Asia (another BBG entity), expressed concern about RFA's future budget. Writing July 17 in The Hill, a Washington tabloid of political news, Southerland lamented: "President Trump's proposed budget for U.S. international broadcasting for fiscal 2018 would cut more than \$4.7 million from congressionally funded Radio Free Asia's annual budget. This would eliminate RFA's Mandarin's radio and television broadcasts to China. And it would leave RFA with social media as its sole means of reaching Chinese citizens just as

China increasingly monitors and controls social media. ...

"But Bloomberg reported on July 10 that the Chinese government has instructed telecommunications carriers to block individuals' access to VPNs by early next year. This will target the most popular way to reach websites based outside the country. ...

"A caller in his 70s, a longtime listener, said it all: 'Radio Free Asia is the best present that the American people have ever given to the Chinese people ... It allows us to speak ... RFA is like a torch that leads us on the road to democracy.'

"Eliminating RFA Mandarin's radio and television broadcasts would give a different kind of present to the Chinese Communist Party."

Southerland does not mention shortwave and satellite television as ways to reach China if Internet controls are further intensified. But that was the subtext. If his plea is not heeded, there will be a further reduction of stations on shortwave – and, in this case, a reduction in Chinese jamming.

Another question is whether VOA Mandarin will be allowed to remain on shortwave, or if it, too, will be relegated to social media.

News to Russia? At the current time, it's Meduza

Current Time TV, a 24-hour Russian video newscast that is a joint project of Radio Free Europe/Radio Liberty and VOA (and I wonder how *that* is working out) has been getting publicity lately, including in *The Economist* on June 15.

Current Time is "TV," but it's not welcome on any Russian terrestrial television channels, cable systems, or DTH satellite platforms. And Russians are not inclined to surf foreign satellites to search for uncensored news.

So Current Time is more video via Internet rather than TV. And that opens up the possibility of Current Time's online outlets being blocked by the Russian authorities.

Now that Russians are out of the habit of tuning to foreign broadcasts on shortwave, the Internet is their way to seek an alternative to domestic state controlled media.

Before I retired in June from VOA, I had access to comScore data, showing how many desktop users in Russia visited just about every news-oriented website. The most used website was not svoboda.org (RFERL Russian) or BBC Russian, but Meduza.io. Meduza (the .io is for British Indian Ocean Territory, basically Diego Garcia, a domain of convenience) is a project of Latvian journalists, holding forth from Latvia. It is journalism in exile, which is what Radio Liberty purported to be since the early 1950s, but Meduza.io is the real thing. It has about a million monthly users in Russia, somewhat more than the RFERL and BBC Russian sites.

Harvard's NiemanLab reported on July 21 that the chat app Telegram (I've never used it) has a "loyal readership for news" in Russian, despite increased scrutiny by Russian authorities. It notes that Meduza has 45,784 Telegram subscribers, "actually a small number compared to our Facebook page with its 300,000 people." BBC Russian has 6,363 subscribers. "For us, our channel on Telegram is a testing ground."

If Russia blocks Internet content it deems undesirable, Meduza, BBC Russian, et al, might want to take another look at shortwave. The Shortwave Radiogram project has been showing how easy it is to transmit text into Russia via shortwave, where it is received on cheap portable radios.

Visit swradiogram.net and www.kimandrewelliott.com.



Shortwave Center

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

It's August—aka “the dog days”, radiowise and weatherwise. So, while you wait for the bands to open up again, here's some choice reading to help you pass the time. (Although just as this column was being prepared, news came in that **Radio Malabo** from Equatorial Guinea had reactivated on 6250 kHz. with a surprisingly good signal at least in ENA, heard past 0255 on 27 July! Got to stay vigilant; you just never know.)

SHORTWAVE RESEARCH

Trends in tropical bands broadcasting 2017

by Anker Petersen, editor of the *Domestic Broadcasting Survey*

Since **DSWCI** published its first Tropical Bands Survey in 1973, I have registered

which stations are active, based upon loggings from our members and other DX-ers around the world. Here is an updated status where Clandestine and Pirate stations not are included.

Active domestic transmitters on 2200 – 5800 kHz

Region	1973	1985	1997	2009	2017
Central Africa	102	76	40	18	6
Southern Africa	57	39	33	20	12
Middle East	9	4	1	0	0
Indian Subcontinent	62	45	45	29	14
South East Asia	40	29	21	4	1
Indonesia	171	105	65	13	4
China, Taiwan, Mongolia	119	110	75	32	18
CIS (former USSR)	61	59	47	7	6
Far East	38	28	28	9	10
Papua New Guinea	17	20	20	15	4
Australia and other Pacific	10	4	13	8	4
Central America, Mexico	21	23	24	5	1
Caribbean	29	3	3	2	3
Northwestern South America	98	41	19	3	2
Ecuador	47	33	22	5	0
Peru	78	69	78	28	6
Bolivia	35	42	25	14	2
Brazil	107	87	67	35	21
Southern South America	5	2	1	0	0
Total	1106	819	627	247	114

During the past year the previous trend, that Tropical shortwave stations slowly disappear, continued throughout the world. The reason is, that other media get higher priority, than keeping elderly shortwave transmitters alive. This year we had a big loss of 24 frequencies compared to last year's

total of 138, particularly because the Australian Northern Territories and several South American stations ceased broadcasting.

Here are some domestic broadcasting stations on the Tropical Bands, which have closed down during the past year:

kHz	kW	Station	Country	Last log
2325	50	VL8T, Tennant Creek, NT	Australia	JAN17
2485	50	VL8K, Katherine, NT	Australia	JAN17
4409,8	0,5	R Eco, Reyes, Beni, Balliván	Bolivia	FEB16
4451,2	1	R Santa Ana, S. A.del Yacuma	Bolivia	JAN16
4750	20	RRI Makassar, Sulawesi	Indonesia	MAY16
4754,9	10	R Imaculada Conceição, MS	Brazil	FEB16
4755,5	1	The Cross R, Pohnpei	Micronesia	MAY15
4760	1	ELWA, Monrovia	Liberia	JUN15
4780	50	R Djibouti, Dorale	Djibouti	FEB15
4795,9	3	R Lipez, Uyuni, Potosí	Bolivia	AUG16
4825	10	R Canção Nova, SP	Brazil	FEB16
4835	50	VL8A, Alice Springs, NT	Australia	JAN17
4880	50	AIR, Lucknow, Uttar Pradesh	India	MAR16
4885	5	R Dif. Acreana, Rio Branco, AC	Brazil	FEB16
4895	10	Mongolian R, Murun	Mongolia	JAN15
4910	50	VL8T, Tennant Creek, NT	Australia	JAN17
4914,9	10	R Dif. Macapá, Macapá, AP	Brazil	NOV15
4940	1	R San Antonio, Villa Atalaya	Peru	JUL15
4990	50	AIR, Itanagar, Arunachal Pr.	India	SEP15
5010	?	Voice of China Jamming	China	MAR16
5010	100	R Taiwan Int., Kouhu	Taiwan	MAR16
5025	50	VL8K, Katherine, NT	Australia	JAN17
5035,1	5	R Rio Mar, Manaus, AM	Brazil	JUL16
5460	?	R Bolivar, Bolivar, La Libertad	Peru	FEB16

SHORTWAVE NEWS

Miscellaneous News

1. FCC's O'Rielly: Give Us More Tools for Pirate Crackdown

Commissioner says FCC should be allowed to confiscate equipment, raise fines

July 26, 2017

By Tom Vernon

Radio World magazine

An FCC commissioner is urging Congress to give the agency more enforcement tools to fight illegal radio broadcasts.

Commissioner Michael O'Rielly has been vocal about the unlicensed operators that he and most broadcasters call pirates. Tuesday he raised the issue during FCC oversight testimony before a House subcommittee.

"The commission has experienced renewed vigor under Chairman Pai in tracking down and imposing penalties against pirate radio broadcasters," O'Rielly said, referring to his fellow Republican, Chairman Ajit Pai. But he asked that Congress modify the FCC's enforcement authority. "Make no mistake, those conducting pirate radio broadcasts, which are more prevalent in New York City, Northern New Jersey, Boston and Miami, have generally laughed at past enforcement efforts by the commission," he said.

His proposals:

***Increased Penalties** — O'Rielly said illegal operators face minimal fines, even for years or decades of disruptive and harmful activities.

***Aiding & Abetting** — People who "knowingly and intentionally" assist illegal radio broadcasters, he argued, should be subject to FCC penalties. These include advertisers, landlords and building owners.

***Confiscation of Equipment** — O'Rielly noted that once illegal stations are located, FCC policy is to issue a warning and leave, and said there is a high probability that the equipment will be used again.

"While many pirate radio broadcasters operate with shoestring equipment, including cheap laptops and transmitters, there are several pirate broadcasters that maintain quite sophisticated 'station' operations," he said; so commission staff should have a process to confiscate such equipment, especially as it relates to common areas not under the control or ownership of the equipment owner.

***Sweeps** — Once existing offenders are gone, the commission should be required to conduct biannual or yearly targeted enforcement efforts to ensure pirates do not sprout again, he argues. "Protection of our nation's airwaves must remain a priority and not left to the whims of any chairmanship."

***Elimination of Warnings** — The policy of leaving repeated warnings clearly does not

work, according to O'Rielly, who called the results "incredibly frustrating and demoralizing." He wants the FCC to be allowed to suspend the warning process and go directly to the issuance of notice of apparent liability in appropriate cases.

In a blog post commenting on his remarks, the Communications Practice Group of law firm Kelley Drye called it unlikely that the recommendations would result in legislative action soon, but gave more context to the points discussed; you can read that here:

<http://www.commlawmonitor.com/2017/07/articles/enforcement-investigations-audits/commissioner-orrielly-again-targets-pirate-broadcasters-and-their-supporters-to-walk-the-enforcement-plan/#more-7098>

2. Noise Inquiry Spurs Recommendations

Engineers concerned about spectrum noise wait to see what's next from the commission

July 7, 2017

By Steve Johnston

Radio World magazine

Broadcast engineers are becoming more aware of the impact of environmental radio noise on reception. The recent efforts at "AM improvement" have highlighted this challenge to AM stations, and evidence is growing that reception on FM and TV bands is being impaired as well.

The general public, however, is far less aware of our growing *noise pollution* issue. Listeners or viewers may not know *why* there is a reception problem; they just perceive the signal as "weak" and may switch to a competitor. Broadcasters are hearing a common pattern in listener complaints: "I used to get good reception, but not anymore..." I wrote about this in Radio World in a 2011 article titled "Johnston Laments FM Noise."

Other industries using RF wireless technologies report growing noise trouble as well. A recent IEEE Spectrum article was subtitled "Electronic Noise Is Drowning Out the Internet of Things." Designers of IoT devices are not getting the range they expect due to unexpectedly high background noise, it reported.

Recent broadcast engineering conferences have included presentations on the noise problem. The topic was extensively covered at last fall's IEEE Broadcast Technology Society Fall Symposium; four presenters focused on the subject of "man-made RF noise issues."

FCC TAC Inquiry

Growing awareness of the problem of excessive radio noise in the environment last year led to the FCC's Technical Advisory Council forming a working group to study the problem. Inquiry ET-16-191, released in June 2016, sought public comments.

The responses came from about 100 individuals, companies and organizations, from a broad array of RF users including broadcasters, equipment manufacturers, consulting engineers, radio astronomers, amateur radio groups and users of other spectrum services such as cellular, GPS and public safety communications. Industries often blamed for interference were also represented. Fig. 1 lists some of those that offered comments.

Commenters cited radio noise sources such as power lines, modern lighting systems, switching power supplies, motor speed controllers and cable TV leakage. Several respondents pointed out that these devices needn't cause interference problems *if designed properly*. Unfortunately, too many seem to not meet that standard.

Twenty respondents had concrete suggestions for study methodologies. Nineteen comments specifically called for more effective enforcement of current regulations. And respondents were virtually unanimous in calling for an official noise study.

Recommendations

In December, the TAC Working Group recommending important steps for the FCC to tackle the problem of excessive ambient radio noise. The primary recommendation is that the FCC should issue a Notice of Inquiry or Notice of Proposed Rulemaking to resolve unanswered questions and take corrective action. Fig. 2 shows some of the questions to be addressed to further characterize the noise issue.

In addition, the TAC Working Group raised several enforcement concerns:

- There is evidence that devices claimed to be "FCC compliant" were actually never tested, or the design was cost-reduced after they were tested, leading to non-compliance in delivered products.
- The FCC enforcement bureau needs to stop the manufacture and import of non-compliant switching power supply "wall warts," LED and CFL lights, and other products.
- The current FCC limits must be enforced effectively to stop the rapid rise in the noise floor across the spectrum before the problem becomes completely unmanageable.

On April 11, 2017, representatives of the Association of Federal Communications Consulting Engineers met with FCC Chairman Ajit Pai to discuss the problem of the rising radio noise floor, according to Tom King, president and CEO of Kintronic Labs and a member of the association.

These respected engineers reviewed the nature of the problem with the chairman and made a strong case for enforcement of regulatory limits on noise. The group's recommendations covered both the rising noise floor issue and enforcement challenges.

AFCCE stated that:

- There has been no systematic study of RF noise since the 1970s.

- Many radio services are being compromised due to the rising noise floor.
- "Internet of Things" system performance is suffering due to the background noise.
- The FCC should re-establish the random sampling program to test products for compliance.
- The FCC should stop turning a blind eye toward "at variance" practices.

July 13, 2017

By Brett Moss

Radio World magazine

The National Voice of America Museum of Broadcasting in West Chester, Ohio, will celebrate the Voice of America's 75th Anniversary with a Big Band dinner and dance part, Sept. 23.

Called "Celebrate the Voice of America under the Stars," the event aims at the Sept. 23, 1944 dedication of the VOA-Bethany Station (site of the museum).

Museum Director Jack Dominic said, "This promises to be the most fun and exciting social event of the season in West Chester, and it's for a great cause. ... We'll have a cocktail reception, dinner, big band music and swing dancing outdoors, plus VIP tours of the museum and the grand opening of a museum exhibit featuring Powel Crosley indoors."

Museum board President Ken Rieser said, "We want to celebrate the VOA and honor Crosley's legacy as an entrepreneur who not only pushed the envelope of technology available at that time, but also motivated his workers to work for a cause greater than himself — promoting freedom and truth worldwide."

As a fundraising event costs are \$150 per person, or \$300 per couple, with various levels of sponsorship for individuals, businesses and organizations. Those higher levels of support include: Presenting Sponsor Level, \$10,000; Platinum Sponsor, \$8,000; Gold Sponsor, \$5,000; Silver Sponsor, \$2,500; and Bronze Sponsor, \$1,000.

Guidance ... From 1993?

The AFCCE presentation made one final point: The commission's current offering to consumers experiencing interference is the "FCC Interference Handbook." This booklet is offered online but was last updated in 1993 and is long out of date. The group encouraged the commission to update this important document and create an online portal for submission of interference complaints.

"We are fortunate to have an FCC chairman who is pro-broadcast and appears to be receptive to our concerns," Tom King said. But as of mid-June there's no word so far from the commission in response to the recommendations of the TAC Working Group or the AFCCE representatives' meeting with Chairman Pai.

Steve Johnston has 35 years' experience in broadcast engineering and now consults on projects worldwide. He was among those submitting comments on FCC Inquiry ET-16-191.

3. Museum to Mark VOA's 75th Anniversary

National Voice of America Museum of Broadcasting will host event in late September

Glenn Hauser's *World of Radio* schedule can be found at

<http://www.worldofradio.com/radioskd.html>

Eugene F. McDonald Jr.: Broadcasting Pioneer

NAB's first president didn't shy from controversy or experimentation

July 13, 2017

By John Schneider

Reprinted by Permission

Eugene McDonald was one of radio's first great power brokers. He was an early broadcaster and the first president of the NAB; he built Zenith Radio Corp. into a manufacturing giant; was a pioneer in the development of shortwave, television and FM; and played a key role in radio's licensing of ASCAP music and the creation of the Federal Radio Commission.

McDonald was born in Syracuse in 1888 and had soon made a fortune as one of the first to offer automobile financing. He joined the Navy in the First World War and rose to the rank of lieutenant commander.

In 1920, he heard his first radio broadcast and was fascinated. This led him to invest in a receiver manufacturer, Chicago Radio Labs. He became its general manager and created the "Z-nith" brand from the company's amateur station call sign, 9ZN.

Zenith Radio Corp. quickly grew to become a major manufacturer under McDonald, who was known for his charismatic leadership and ruthless competitive spirit.

WJAZ, WSAX And Other Stations

In August 1922, Zenith inaugurated its broadcast station, WJAZ, from elegant glass-enclosed studios in Chicago's Edgewater Beach Hotel. Apparently dissatisfied with coverage and listener interference issues, Zenith sold WJAZ to the hotel in 1924, and

it became WEBB (later merged with WDAP by the Chicago Tribune to become WGN).

However, Zenith reserved the WJAZ call sign and planned to build a new high-power station by the same name, with studios in the Zenith laboratories and a transmitter in suburban Mt. Prospect.

In the interim, Zenith operated a roving "portable" broadcast station, WSAX.

McDonald was a principal organizer of the 1925 MacMillan Arctic Expedition, and Zenith provided shortwave transmitters and receivers that kept the expedition team in regular contact with the US.

WJAZ broadcast family messages to members of the expedition each Saturday at midnight, and the expedition's return messages were sent out using the Zenith shortwave transmitter. The project clearly demonstrated shortwave's superiority for long-distance communication.

ASCAP

McDonald strongly opposed the payment of copyright royalties to ASCAP by broadcasters. (Yes, this is not a new issue!)

In 1923, McDonald joined with other commercial broadcasters to form the National Association of Broadcasters, and he became its first president. Their goal was to negotiate a better ASCAP rate schedule for radio. A second goal was to press for more uniform regulation of the radio spectrum than the weak 1912 Radio Act provided.

As the head of the NAB, McDonald was a natural target for ASCAP. WJAZ regularly broadcast the Edgewater Beach Hotel's ballroom orchestra, and so ASCAP refused

to renew the hotel's performance license, unless it also took out a license for broadcasting. This became a test case that spawned a two-year unresolved battle in Congress. In the end, the NAB relented and negotiated a settlement with ASCAP that governed radio's payment of royalties for over a decade.

Challenging The Radio Czar

In mid-1925, the new 5,000 watt WJAZ was ready to go on the air. But in the interim, the Chicago radio spectrum had become overcrowded, and WJAZ was ordered to share 930 kHz with KOA in Denver, allotted a mere two hours a week on Thursday night.

Incensed, McDonald chafed at WJAZ's frequency-sharing limitation, but in spite of weeks of pleadings and negotiations, Commerce Secretary Herbert Hoover refused to grant better operating conditions for the Zenith station.

McDonald publicly challenged Hoover's authority and his "one-man control of radio," calling him the self-appointed "radio czar." Hoover held his ground and welcomed a "test case." McDonald soon provided this to him with his unauthorized move of WJAZ to 910 kHz, a reserved Canadian channel.

In January 1926, the government took McDonald to court in a landmark case, *United States v. Zenith*, in which McDonald challenged Commerce's authority to regulate the radio spectrum. In its April decision, the district court indeed ruled that, under the Radio Act of 1912 — written long before broadcasting had been contemplated — Commerce did not have the authority to assign frequencies or hours of operation or to deny a license to any applicant!

What followed was a two-year radio free-for-all, during which dozens of stations freely chose their own frequencies and transmitter powers, and Commerce was obliged to issue a license to any applicant. The extreme interference and the subsequent listener complaints this generated finally compelled Congress to replace the outmoded radio regulations.

The Birth Of The FRC

On Feb. 18, 1927, it passed the Radio Act of 1927. This created the new Federal Radio Commission, which was given the power and a congressional mandate to bring order to the radio spectrum. (With passage of the Communications Act of 1934, the FRC became today's FCC).

Due to the controversy over this court case, McDonald stepped down from his role as president of the NAB, but he continued to be an active participant in the organization for many years.

Unfortunately for Zenith, the new FRC did not treat WJAZ kindly. It moved the station to the undesirable 1480 kHz frequency, where it shared time with WHT and WORD. Finally, in 1931, the FRC cancelled the licenses of all three stations, awarding the frequency to WCKY in Covington, Ky., which had pleaded that northern Kentucky was underserved by radio. (WCKY later abandoned Kentucky and moved to Cincinnati).

Back To Broadcasting

McDonald and Zenith stayed out of broadcasting for eight years, concentrating on the radio receiver business, but they returned to broadcasting in 1939 with the construction of two experimental stations.

The first was W9XZV, the first Chicago television station using the new all-electronic standard, which operated on Channel 1 until 1953.

The second was W9XZN, one of the country's first experimental FM stations. In 1940, it became W51C, equipped with a 50,000 watt custom-built transmitter and boasting a 100-mile coverage radius. It broadcast 16 hours daily at 45.1 MHz in the old FM band playing "only good music" from specialized high-fidelity transcription discs, ranging from classical and Latin music, to Gilbert and Sullivan. W51C's only advertising was one announcement each hour promoting Zenith products. Program guides were sold to the public on a subscription basis. When W51C moved to the present FM band, it

became WEFM, which stood for "Eugene F. McDonald."

In the 1970s, Zenith sold WEFM to General Cinema Corp., and it is today known as WUSN.

Under Eugene McDonald, Zenith grew into a major radio manufacturer in the 1940s and began producing television sets in 1948. His

many contributions to radio helped shape the industry we know today. "Commander" Eugene F. McDonald Jr. died in Chicago in 1958. In 1967, McDonald was posthumously inducted into Broadcast Pioneers Hall of Fame.

Read more of John Schneider's history articles at radioworld.com, keyword "Schneider."

SHORTWAVE ANALYSIS

Radio Reaches Blocked Countries

International radio remains the most reliable, robust source of information for people in some nations

July 10, 2017

By James Careless

Radio World magazine

Reprinted by permission

North Korea is rated as the second most censored country in the world after Eritrea, according to the Committee to Protect Journalists. North Koreans who are caught accessing information not approved and disseminated by the government can be sent to brutal prison camps for extended terms, or face execution.

Information-Hungry

Yet such is the human hunger for reliable outside information, that many North Koreans brave these risks by tuning into international radio and cross-border TV broadcasts wherever practical. Many also watch banned South Korean TV programs on black market DVDs, SD cards, and USB sticks; plus computers and mobile phones smuggled in from China. (South Korean movies and soap operas are hugely popular in the North, according to the *New York Times*.)

The conclusions they draw from this content are subsequently shared with other North Koreans by word-of-mouth; despite the fact that such sharers can get in serious trouble with the Kim Jong-Un regime.

According to the report "A Quiet Opening" carried out by the global research consultancy InterMedia, the impact of these outside information sources on North Korean society is profound.

Basing their conclusions on interviews with North Korean refugees, InterMedia's report says that the North Korean population is developing more realistic views of the outside world that are contrary to its government's hostile anti-foreigner propaganda; all due to the population's growing exposure to outside media sources. "Nearly half of the study's sample reported watching a foreign DVD while in North Korea," said the InterMedia report, while "Close to one-third of TV viewers claimed to have watched foreign television content while in North Korea."

When it comes to obtaining objective information from South Korea, the United States, and the outside world, "Foreign radio broadcasts remain important as a source of real-time, sensitive outside news," said the InterMedia report. This fact explains why the **BBC World Service** is targeting North Korea through the launch of its first-ever Korean language radio broadcasts this year. The **Voice of America** and South Korean

stations such as **Free North Korea** already broadcast radio content into the so-called "Hermit Kingdom."

Nigel Fry, the **BBC's** head of distribution, explains that the broadcaster expects "to use both shortwave and medium-wave services to broadcast to the Korean peninsula."

Blocking Radio Access

It is naive to think that the North Korean regime will passively permit the **BBC World Service** to reach its people inside the country. In fact, the regime already uses a number of measures — in addition to the threats of imprisonment and death — to try and keep outside content from its population. They include signal jamming, and fixed-tuned radios. Internet access is not an issue for this repressive regime. North Korea does not allow its people to access outside websites through its state-controlled telephone lines.

Signal jamming has a long history in radio broadcasting history: The Nazis tried to jam **BBC** broadcasts to occupied Europe in World War II. During the Cold War, the Soviet Union and its satellite countries used to jam incoming international broadcasts from the **BBC**, **Radio Free Europe/Radio Liberty**, and **Voice of America**.

Today, countries such as China, Cuba, Eritrea, Ethiopia, Iran, Malaysia, North Korea, South Korea and Vietnam are believed to use jamming on an occasional and/or-full-time basis to block foreign broadcasts.

The process of signal jamming is simple in theory, and expensive in practice. "It's just putting another frequency on the air that is the same frequency that is being used to target a specific region," said Keith Perron. He owns and operates the **PCJ Radio International** FM/shortwave station in Taipei, Taiwan. "Very often the transmitter that is being used to jam will also be more powerful," Perron said. "For example, if you're using a 125 kW to reach China from Singapore, the Chinese will use a 300 kW to jam the signal."

"Generally, it's noise on the same frequency as the incoming broadcast," said Kim Andrew Elliott, **VoA** audience research analyst. "China often uses domestic broadcasts, sometimes over modulated, so that it can claim that it is engaging in domestic shortwave broadcasting rather than jamming."

All kinds of audio feeds are used to jam unwanted foreign broadcasts. "In China, the most common noises are white noise, jet plane noise (which sounds like sitting inside a passenger jet plane) and electronic bubble-type noises," said Mark Fahey. He is an Australian biomedical engineer who has visited North Korea six times. He covertly recorded North Korean radio and TV programs while there. The fruit of Fahey's daring research entitled "Behind the Curtain," is available in a downloadable iTunes eBook.

"Another program they used has been nicknamed 'Firedrake,'" Fahey said. "It is very loud and intense Chinese Opera music that wipes out the station they wish to block on the same frequency."

Although effective as a form of real-time audio censorship, the downside of jamming is that it takes considerable power to keep the jamming transmitters on air. Hence "countries like North Korea, which are prone to regular electric grid blackouts, cannot effectively jam 100 percent of the time," said Thomas Witherspoon, editor of the *SWLing Post*. In response to this fact, the North Korean regime requires its subjects to use "fixed-tuned" radios sold by government-approved shops. These radios can only tune to a limited number of preset (fixed) frequencies; all of them belonging to the country's state broadcasters. Conventional radios that can tune across the entire AM, FM and shortwave bands are banned, and use of them is a crime.

Defeating Censorship

The widespread access to foreign radio broadcasts in Cuba, North Korea and other "blocked states" shows that there is a limit to censorship techniques; as was true

during the Cold War when Western signals were regularly heard in the Soviet bloc.

Then as now, signal jamming is the technique used to block unwanted broadcasts, and the one with the most obvious limitations due to cost. The result: Even during the Cold War, when the Soviet Union invested substantially to build and operate extensive jamming transmitters, the sheer cost of these operations meant that they were usually confined to urban areas.

"Back in Soviet times, serious news consumers were known to go out into the country — perhaps to their dachas — to escape ground-wave jamming in a city," said Elliott. In urban areas, "listeners can also combat jamming by tuning all available frequencies at all available broadcast times," he added. Since international short-wave broadcasters like the BBC and Voice of America used multiple frequencies, their broadcasts often got through.

That's not all: "Sometimes the station wanting to avoid jamming will intentionally drift or move slightly to another frequency, leaving the jammer back on their published frequency, said Fahey. "Or they may broadcast on a large number of frequencies in the hope that the jamming authorities don't have the resources to jam each frequency. Unusual propagation also can allow a signal to make it through."

The result? "Censorship of shortwave radio is comparatively unsuccessful," said Witherspoon. "Radio broadcasters can be intentionally jammed, of course, but this requires substantial power resources and a very strategic approach — homing in on particular broadcasts."

In North Korea, some people get around jamming by using home-built antenna tuners that minimize the jammer's interference with reception of the desired distant signal. Other listeners modify their fixed-tuned radios to tune across the bands; allowing

them to capture the South Korean and international stations that the state doesn't want them to hear.


Finally, the 1990s North Korean famine that loosened the state's grip on distribution, which led to the emergence of state-tolerated private markets, has made it possible for smuggled Chinese radios to be sold there.

"Black market Chinese radios are fairly cheap in North Korea, and easy to find," said Greg Scarlatoiu, executive director of the Committee for Human Rights in North Korea.

Despite the fact that "the Ministry of Public Security, the State Security Department and neighborhood surveillance groups are always on the lookout for such radios — and that inspections by these people can be staged unannounced at any time — North Koreans have purchased many of them."

Again, all of this listening is done by North Koreans who know that getting caught could cost them their limited freedom, and indeed their lives. "This reasonable fear of being caught is why most clandestine North Korean radio listening takes place in and around midnight," said Robert King, United States special envoy for North Korean Human Rights Issues. "Yet North Koreans are listening, and information from the outside world is getting through to them."

It remains to be seen what impact this listening, combined with the other media sources being accessed covertly by North Koreans, has on their ability to free themselves from the current North Korean regime some day. But one thing is certain: As was the case during the Cold War, outside radio broadcasts are being heard in North Korea and other blocked states, no matter how hard the authorities try to censor them.

James Careless reports on the industry for Radio World from Ottawa, Ontario 

Listener's Notebook

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

Times are UTC and frequencies in kHz.

AFGHANISTAN Reception of Radio Afghanistan External Service, June 27:

from 1534 on 6100 YAK English, weak to fair (DX Mix-Bulgaria)

ALASKA 9655, 1554-, KNLS Jun 18 Blasting in with an Elvis Presley song, but sung by someone else. They then gave the address in Russian: Station KNLS, Anchor Point, AK and later a POB in St Petersburg. Guess there's no reason to give more information than that. Chinese also heard on 9920 with similarly overwhelming signal strength. Next morning (19 June), 9920 was not on the air, but back on the 20th. Only 9655. Dead air at 15:59, before repeating the program at 16:00. They do have a nice IS. Sure wish more stations still used them regularly! (Salmaniw-BC/DXplorer)

ANGOLA 4949.75, Jul 10, 1922, Radio Nacional de Angola, Mulenvos, news and comments, ID: "Radio Nacional de Angola", "Radio Nacional", sport comments. (Méndez-Spain/Shortwave Bulletin)

ARMENIA Weak to good signal of Voice of Armenia, June 23:

1530-1545 on 4810 ERV Assyrian
1545-1600 on 4810 ERV Greek
1600-1630 on 4810 ERV Kurdish
1630-1700 on 4810 ERV Yezidi
1700-1715 on 4810 ERV Turkish
1715-1745 on 4810 ERV Azeri
1745-1815 on 4810 ERV Farsi
1815-1845 on 4810 ERV Arabic
(DX Mix-Bulgaria)

The special show of Radio MiAmigo on Sunday June 25, 2017:

1700-1900 on 11845 ERV English via Shortwaveservice. Thank you, Ron O. Quinn. Hello to all Radio Mi Amigo International friends, after 57 years in radio business Ron is hanging up his "Rock 'n' Roll shoes" Radio Mi Amigo International presents his very last live broadcast on the airwaves with a special

show remembering his career and each jock saying a special "thank you" and of course you will hear the 'boss-jock' himself. (DX Mix-Bulgaria) Anyone in North America hear this special program? (RAD)

AUSTRALIA 5055. Just a note to advise that we hope to have 4KZ 5055 on the air by late next week from Innisfail with 1kW and inverted V antenna. The hold-up has been due to constant rain preventing us putting the support pole in. We have had a special QSL card printed and we do not require return postage. Al Kirton, GM, NQ Radio. July 4th. (Craig Seager-Australia/ARDXC) Should be quite possible here in the USA, once they are on the shortwaves, depending I guess on the antenna situation. Fingers crossed, gents! (Ralph Perry-IL)

AUSTRIA FEBA Radio, Radio Sama via BaBcoCk Moosbrunn, July 6:

0800-0830 on 15260 MOS Arabic, very good (DX Mix-Bulgaria)

HCJB Voice of The Andes via MBR FMO, ORS Moosbrunn:

1530-1602 13800 Russian Sat
1602-1630 13800 Chechen Sat
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews June 30)

Reception of Radio Joystick via MBR Moosbrunn, July 2

1000-1100 7330 MOS German 1st Sun, good
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews July 6)

FEBA Radio, Radio Sama via BaBcoCk FMO, via ORS Moosbrunn, July 6

0800-0830 15260 MOS Arabic, very good
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews July 6)

BANGLADESH 4750, Bangladesh Betar - HS, 1235-1243, June 26. The Monday only SAARC (The South Asian Association for Regional Cooperation)

news bulletin in English, starting with "Assalamu alaikum. This is Bangladesh Betar"; clearly in English, but not very readable due to usual CODAR and CNR1 QRM. (Ron Howard-CA)

BHUTAN 6035, BBS, tuned in at 1330 till off just after 1400, on July 1. Nowadays I do not often listen at this time period, so cannot say if this was an anomaly extended broadcast or a new schedule, but certainly was a pleasant surprise; poor reception. 1330-1354 with call-in program in vernacular; callers singing indigenous songs; as it was via the phone, of course no accompanying music. just solo singing; adults calling in, except for one rather young girl who also sang a song; 1354 end of program and went to their unique indigenous music and singing till 1400. (Ron Howard-CA) 6035, BBS. Regarding my July 1 reception till just after 1400: July 2 & 3 found no BBS, after starting to check at 1230. So, my reception would seem to have been a one day only anomaly? (Ron Howard-CA) 6035, BBS, 1206-1224+, July 26. PBS Yunnan (China) cut off at 1206*, leaving weak, but in the clear BBS; announcer in vernacular with usual short breaks at 1213 and 1216 for the unique indigenous instrumental music; 1224 into indigenous music and singing. Found off the air at 1246 check, so did not go through to 1400 today. My local sunrise today was at 1309, while sunset at Thimphu was 1253. This is encouraging to find them running past PBS Yunnan going off the air. (Ron Howard-CA)

BOLIVIA 5952.42, Radio Pio Doce, 0227-0230*, July 25. Start of whistling "Colonel Bogey March" with full ID and chimes; poor. (Ron Howard-CA)

6024.98, Red Patria Nueva. Pgmning of various LA mx and canned anmnts w/TCs and IDs after every other song. 0826 nice simple ID by M "Escuchas Red Patria Nueva". Better than average and good this morning, but still getting slop QRM from 6030. Armchair copy on ZY web rx. (Dave Valko-PA, 23 July)

BRAZIL 4885, Jul 10, 0510, Radio Clube do Pará, Belém, Brazilian songs and comments, program "Clube na Madrugada". 11-07 out of air at this time, 12-07 on air and 13-07 out again. (Méndez-Spain/Shortwave Bulletin) 4885, Radio Clube do Para, after weeks of silence in the early morning hours here in Europe, today on air at this time with its classic program "Clube na Madrugada". Heard between 0510-0625 UT on July 10, ID. "Clube na Madrugada", Brazilian songs and comments, Portuguese. 24322. (Manuel Mendez-ESP, hcdx July 10

4985 and 11815, Radio Brasil Central, e-QLS. E-mail: rbcamfm@gmail.com. (October 2016). (Daniel Wyllyans, Nova Xavantina-BRAZIL/DX Fanzine)

5939.86, Voz Missionaria. Canned PT anmnts w/ment of Santa Catalina by M at 0821 t/in. 0822 nice canned info promo ID by M ending w/singing ID jingle, and more canned anmnts w/IDs and singing jingles, TC, then tlc by M pgm host. Good signal w/5935 WWCR QRM. Couldn't get // 31mb as the band was totally unusable. (Dave Valko-PA, 23 July)

9724.869, 0411-. Radio Evangelizar (ex. Radio RB2) Jun 18 Good reception here with minor static splashes. All heard very well using my SW directed DKAZ antenna (better than a NW/SW ALA 100 and NW directed BOG). Lovely EZL Brazilian vocals. Not // to Radio Aparecida. Possibly an ID at 04:14:45. Much stronger on // 11934.954 with armchair copy (listed with same power of 10 kW and 20 deg azimuth). Also heard on 6040.350 (10 kw/20 deg as well). This is fun! Opportune that Glenn Hauser mentioned this in his June 17 - 18 logs that Radio RB2 is no more, and that these frequencies are now occupied by this station's name. Thanks, Glenn! (Salmaniw-BC/DXplorer)

9819.060, 0406-. Radio 9 de Julho Jun 18 Good reception except for some pretty serious static crashes. Relaying Radio Aparecida. (11855.6, etc). (Salmaniw-BC/DXplorer)

11855.610, 0334-. Radio Aparecida Jun 18 Excellent reception with a song, 'Moya Aparecida'. Not sure what that means in Portuguese, but interesting that if it was in Ukrainian, it would mean 'My Aparecida'. Many mentions of Aparecida as well during speech portions. There must be quite the pipeline into Brazil from Masset, as that country is often very well heard. Parallel to weaker (but still well heard) 9630.021 with listed 10 kW. Vatican news at 03:45:45. I think that I can also hear the 49 meter // on 6135. Seems on channel, despite lists that suggest off channel. Turning both Perseus receivers on, I'm 99% certain that it is the same station, and on-frequency on 49 meters. 49 meters is listed with 25 kW and an azimuth of 30 degrees. (Salmaniw-BC/DXplorer)

11735, Jul 10, 1955, Radio Transmundial, Santa Maria, religious comments id. "Esta e a Transmundial, comunicando coa força da palavra", "Transmundial, para todo o mundo". (Méndez-Spain/Shortwave Bulletin)

BULGARIA Reception of IRRS Radio Santec The Word via SPL Secretbrod on July 9:

1500-1530 on 15190 SCB Eng/Ger Sun The Cosmic Wave, very good (DX Mix-Bulgaria)

IRRS Radio Warra Wangeelaa-ti via SPL Secretbrod on July 15:

1500-1530 on 15515 SCB Afan Oromo Sat, strong signal
(DX Mix-Bulgaria)

CANADA 6160, note that the CBC has apparently switched off the CKZN shortwave transmitter on purpose — to see who notices that it's missing, it appears — much like Radio Australia did just before shutting down its shortwave service. I know I would miss them — they frankly have been an enjoyable companion especially when I'm away from home and unable to connect to the Internet via wifi, and especially when I've been DXpeditioning --after all, there's not much palatable English language programming on air — so I will be sending them a note. Not sure how important they consider a disaffected listener to CBC Goose Bay in Pennsylvania but, perhaps we can collectively impress that shortwave usage enables broadcasters to reach and impact audiences beyond typical borders. (Rich Cuff-PA)

CHINA 6035, PBS Yunnan, 1204-1210*, July 5. Non-stop EZL music till suddenly cut off; BBS/Bhutan not on the air. (Ron Howard-CA) 6035, PBS Yunnan (Voice of Shangri-la), 1135-1203*, July 14. In Chinese; some EZL songs; 1201 the usual filler instrumental music till cut off; weak, but clear frequency. No BBS/Bhutan heard today. (Ron Howard-CA)

6060, Sichuan PBS-2, 1214, July 14. A quick check today confirms again what I have recently been hearing - Cuba is now here (1100-1400), mostly blocking the former clear reception of PBS-2; now making a mess. (Ron Howard-CA)

7118-USB, VC01 (Chinese Military numbers station), at 0957, on July 12. Numbers in Chinese. Strange they would now be in the ham band! Thanks to tip from Hiroyuki Komatsubara (Japan). (Ron Howard-CA) I heard Ron's audio clip and while it isn't shortwave broadcast, it is interesting nevertheless. (RAD) 7118-USB, VC01 (Chinese Military numbers station), at 0950, on July 14. Numbers in Chinese; still in the ham band where they shouldn't

be. (Ron Howard-CA) 7118-USB, VC01 (Chinese Military numbers station), 1134, July 19, with "ham jam," which is a ham in CW jamming the Chinese numbers station. Feedback from Lou (VK5EEE) in Australia: "A pity when hams don't do this with their call signs to be legal. Sending a test VVV is perfectly legal so long as ID is given at required minimum periods. It can encourage additional 'ham jammers' to test their equipment, but a solitary VVV without callsign is likely to end up being solitary and ineffective. CW QRM especially Contest QRM sends our Indonesian pirates off the 40m band, so it can be effective!" (Ron Howard-CA)

CHINA (TIBET) 4920, PBS Xizang. July 16, back on the air again after being silent for several months. Heard 4920 in Tibetan, causing severe QRM for AIR Chennai at 1209; also heard // 6200, at the same time, which was in the clear before the sign on of Voice of Jinling (China), which happens about *1230, but fortunately VOJ is much stronger than Tibet, so very light Tibet QRM after 1230. Maybe the others are also back today? Needs confirmation! Chinese: 4820, 5935, 6050, 7240, 7450 and Tibetan: 4905, 6025, 6110, 6130, 7255, 7385. (Ron Howard-CA)

CLANDESTINE Frequency change of Voice of Wilderness via RED Telecom:

1330-1530 NF 7625 TAC Korean, ex 7615 from June 26
(DX Mix-Bulgaria)

Frequency change of Voice of Martyrs via RED Telecom on June 22:

1530-1700 NF 7525 TAC Korean/English, very weak, ex 7510
(DX Mix-Bulgaria)

Extended transmission of Radio Free North Korea via RED Telecom

1100-1300 on 15630 TAC Korean, ex 1200-1300 from June 24
(DX Mix-Bulgaria)

Radio Free North Korea is again with 1 hour duration from July 1

1200-1300 on 15630 TAC Korean, ex 1100-1300 till June 30.
(DX Mix-Bulgaria)

- Radio Dandal Kura International via BaBcoCk Wooferton, June 27 1600-1630 on 7575 KCH Persian Mon/Fri, good signal (DX Mix-Bulgaria)
- 0700-0800 on 13810 WOF Kanuri, very weak signal (DX Mix-Bulgaria) Reception of Sagalee Qeerroo Bilisummaa via TDF Issoudun, July 18:
- Reception of Radio Al-Mukhtar via MBR Issoudun, July 18: 1630-1658 17840 ISS Oromo Tue/Thu/Fri via Alyx&Yeyi. Transmission is jammed by Ethiopia with very strong white noise digital jamming. (DX Mix-Bulgaria)
- 1500-1558 on 15205 ISS Arabic Tue, good signal (DX Mix-Bulgaria) Reception of Eye Radio via Alyx&Yeyi TDF Issoudun, Fri June 23
- Reception of Radio ERGO via BaBcoCk Dhabayya on July 6: 1600-1900 17730 ISS Arabic/English/other*, good. *Other languages in different times: Dinka/ Nuer/ Shilluk/ Bari/ Zande/ Lutoho. (DX Mix-Bulgaria)
- 1200-1300 on 17845 DHA Somali, weak to fair (DX Mix-Bulgaria)
- Special transmission of Furusato no Kaze via BaBcoCk Tamshui: Reception of Radio Xoriyo Ogaden via TDF Issoudun, July 18:
- 1030-1200 on 11855 TSH Japanese, Saturday Aug. 19 (DX Mix-Bulgaria) 1600-1630 17870 ISS Somali Mon/Fri via Alyx&Yeyi. Transmission is jammed by Ethiopia with strong white noise digital jamming. (DX Mix-Bulgaria)
- Radio Adal via MBR Issoudun is back on the air, July 1 Radio Voice of Independent Oromiya via TDF Issoudun, Sun June 25
- 1500-1530 on 15205 ISS Arabic Wed/Sat 1530-1558 on 15205 ISS Tigrinya Wed/Sat (DX Mix-Bulgaria) 1600-1604 17850 ISS no signal, tx is not air
- Reception of Radio Itahuka via MBR Madagascar on July 1 1600-1630 17850 ISS Oromo Sun via BRB Alyx&Yeyi. Transmissions is jammed by Ethiopia with fair white noise digital jamming. (DX Mix-Bulgaria)
- 1800-1900 on 15420 MDC Kirundi Sat, very weak (DX Mix-Bulgaria) Reception of Radio Publique Africaine via TDF Issoudun July 12
- Reception of Voice of Oromo Liberation via MBR Nauen on July 2: 1800-1858 on 15480 ISS Kirundi/French, good signal (DX Mix-Bulgaria)
- 1700-1730 on 15420 NAU Afan Oromo Wed/Fri/Sun, strong. Transmission is jammed by Ethiopia with white noise digital jamming. (DX Mix-Bulgaria) Reception of Radio Xoriyo Ogaden via MBR FMO via TDF Issoudun site, Tue June 20
- Frequency changes for Voice of Tibet on July 3: 1600-1630 17630 ISS Somali Tue/Sat, fair/good. Transmission are jammed by Ethiopia with fair white noise digital jamming. (DX Mix-Bulgaria)
- 1235-1305 on 15528 DB Tibetan, ex 15527 1305-1315 on 15523 DB Tibetan, ex 15522 1315-1330 on 11518 DB Chinese, ex 11517 1315-1335 on 15517 DB Tibetan, ex 15528 1335-1345 on 15523 DB Tibetan, ex 15522 (DX Mix-Bulgaria) Radio Voice of Adal via MBR FMO via TDF Issoudun site, June 24
- Radio Ranginkaman/Radio Rainbow via BaBcoCk Grigoriopol, July 14: 1500-1530 15205 ISS Arabic Wed/Sat 1530-1558 15205 ISS Tigrinya Wed/Sat. (DX Mix-Bulgaria)

Good signal of Voice of Adal via MBR FMO via TDF Issoudun site, June 21

1500-1530 15205 ISS 100 kW 125 deg to EaAF Arabic Wed/Sat

1530-1558 15205 ISS 100 kW 125 deg to EaAF Tigrinya Wed/Sat.
(DX Mix-Bulgaria)

North Korea Reform Radio via BaBoCk Tashkent, July 14:

1430-1530 on 11570 TAC Korean, fair/good
(DX Mix-Bulgaria)

Reception of Radio Itahuka via MBR FMO, via Talata Volonondry Madagascar on July 1:

1800-1900 15420 MDC Kirundi Sat, very weak
(Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews July 6)

11965, 24.06.17, 1700, R. Erena, via Kostinbrod, Tigrinya: NX. E-mail address: radioerena@gmail.com. Good. (Roberto Pavanello-Italy/DX Fanzine) Radio Erena was thought to have closed on 18 June due to funding running out. But Ivo Ivanov reports hearing it again from 20 June. The schedule is 1700-1800 Daily on 11965-50f in Tigrinya & Arabic. The station broadcasts to Eritrea. (British DX Club)

12050, 18.06.17, *1800-1803, Dandal Kura Radio via Ascension, Kanuri: ID, talk, music, talk. 44333. (Antonello Napolitano-Italy /DX Fanzine)

ENGLAND BBC Monitoring's staff were informed on 26th June that the service will be leaving Caversham Park - its home since 1943 - in May 2018. BBCM will be relocated to London's New Broadcasting House. Staff were also informed that BBCM would retain its Crowsley Park receiving station (three miles north of Caversham Park). BBCM will also continue to operate its 11 overseas bureaux: Cairo, Delhi, Istanbul, Jerusalem, Kabul, Kiev, Miami, Moscow, Nairobi, Tashkent and Tbilisi. At a recent BDXC Board meeting, I said I would be willing to organise a visit to Caversham Park before it is vacated by the BBC. That offer still stands. Now that we have a firm date for the move I will consult with others about a date for the visit. (Chris Greenway-England/British DX Club)

EQUATORIAL GUINEA (FERNANDO POO) 6250, please check if it propagates to you. I have Afro

Pops now at 0006 (Jul 27) with a beautiful signal. Is it Malabo reactivated or am I getting an image or spur? (Dave Valko-PA) 6250, 2339 July 26 alerted by Chris Smolinski to strong station playing up tempo Africa #1-style music, still going straight through 0000 with no ID or talk of any kind. Might this be RINGE Malabo reactivated? (Jay Novello-NC/DXplorer) Superb copy of Afro Pops here! Almost sounds like FM! Listening with the WinRadio filters in the 8K width. (Chuck Ripple-VA) Appears to be! Vy few if any anmts but hrd continuously from 2340 UTC on remote rcvr in Iceland and as far west as Alberta with very nice signal SINPO 45544. (Bruce Churchill-CA/DXplorer) 6250, R. Malabo (pres.) While testing a new USB cable to power the Perseus SDR with an XTPower power bank charger, was shocked to find a strong signal here at 0001 w/ African Pop mx. Nonstop mx past 0045. M in song at 0034 mentioned Malabo clearly several times. Very glad to have it reactivated (if it is indeed Malabo) and hope it stays on. So far Brandon Jordan in TN noted it first. (Dave Valko-PA, 27 July) Also heard very well in Des Moines, steady S6-7 on the Drake R8 on Jul 27. Nice sound in AM with the Synchronous engaged. Same Afro pops with occasional tkl by OM and crowd noise. Heard at 0114 tune-in. (Jerry Strawman-IA/DXplorer) 6250, Radio Malabo is definitely playing a loop, this is the same song after Mariaroz that I heard earlier. Verified with the next song at 0052 (Jul 27), this is a musical loop they are playing for the test. Hopefully they ID after it finishes again around 0128 if the loop plays out. (Brandon Jordan-TN) 6250, Radio Malabo, 0502-0602, July 27. Thanks to alert from Brandon Jordan in DXLD yg; not a music loop, but actual programming in Spanish; started poor and improved up to almost fair, but heavy QRN (static); news and comments; both IDs given together - "Radio Nacional, Radio Malabo"; 0556 commercial announcement by child for "Banco Nacional". (Ron Howard-CA) A well heard reactivation. (RAD)

EQUATORIAL GUINEA (RIO MUNI) 5005.0, Jul 6, 0510, Bata is on air this July 6, noted in 0510 to 0530 slot, on remote SDR posts in Western England Liverpool, NJ, MI, FL-US remotes too, and at Edmonton Alberta Canada. Not any program content could be traced so far. But signal was very tiny weak, S=2-3 - under threshold these days. Hopefully signal will increase soon in mid-August then. (Wolfgang Büschel-Germany/Shortwave Bulletin)

ERITREA 7175, on July the 4th at 1820 a prgr & songs in Arabic, ID at 1835 UT & choir singing the

National Anthem of Eritrea & close/down. (Rumen Pankov-BUL, wwdxc BC-DX TopNews July 8)

ETHIOPIA Voice of Democratic Alliance and Radio Ethiopia on June 20:

Voice of Democratic Alliance

1500-1600 on 7236.6v GDR Tigrinya/Afar (DX Mix-Bulgaria)

Radio Ethiopia

1600-1800 on 7236.7v GDR Arabic, not English (DX Mix-Bulgaria)

FRANCE Reception of Radio France International on July 19:

0600-0700 on 11905 ISS English, good (DX Mix-Bulgaria)

GERMANY Transmitter changes of Deutsche Welle:

1300-1400 on 21780 MDC Hausa, ex ASC
1600-1700 on 15275 NAU Amharic, ex TRM (DX Mix-Bulgaria)

Reception of Evangelische Missions Gemeinden via MBR Nauen, July 15

1030-1100 on 6055 NAU German Sat/Sun, fair signal (DX Mix-Bulgaria)

INDIA Two new 100 kW digital transmitters to broadcast across the border for Afghanistan - Pakistan region: Venkaiah Naidu. All India Radio expects to commission two new Shortwave Solid State digital transmitters, of 100 kW power each, for dissemination of content across the border for Afghanistan- Pakistan region by the end of August 2017, announced Union Minister Venkaiah Naidu on Thursday. Minister for Information & Broadcasting, Naidu, said that the transmitters will be installed in Delhi. Col. Rajyavardhan Rathore, Minister of State for I&B, Prof. Jagdish Mukhi, Lieutenant Governor of Andaman & Nicobar Islands, Secretary I&B, N.K.Sinha, representatives from UTs and senior officers from Ministry were also present during the meeting. The I&B minister also said that for the Andaman and Nicobar, a new 100 W FM transmitter would be installed in Car Nicobar by the end of the financial year. (Indai Blooms, New Delhi July 6 2016 via Mike Terry-UK, BrDXC-UK ng July 6)

Mr Sunil Bhatia, Director, Spectrum Management & Synergy Division, All India Radio, New Delhi who used to issue QSL cards of AIR, has been transferred very recently. He was in regular touch with BCDxers and will be greatly missed. (Jose Jacob, VU2JOS, DX-India yg 30 July/British DX Club)

4920, All India Radio Chennai, F/D QSL card, including transmitter site, in 48 days. The report was sent to: spectrum-manager@air.org.in and CC to: dgair@air.org.in, gosesdair@yahoo.co.in, einc@air.org.in, coordinationesd@gmail.com. On 20 May 2017, my reception report about AIR Chennai was read on air during the programme "Faithfully Yours" of All India Radio General Overseas Service. They commented that the General Overseas service of AIR was not able to verify my reception report about a transmission originating from AIR Chennai. To be honest, I would never expected that they would mention my report about AIR Chennai in their mailbag programme. (Antonello Napolitano-Italy/DX Fanzine)

4949.995, UNID offset station carrier signal visible at 00.03:08 on July 8. That is not Radio Nacional Angola offset fq. But rather warm-up of AIR Srinagar on test procedure very early. Acc Aoki Nagoya database around 0025 is daily program start time of AIR Srinagar. (Wolfgang Bueschel-Germany/DXplorer)

4970, AIR Shillong, at 1237, on July 25. Start of the usual Tuesday "Heart to Heart" program; DJ in English playing EZL hit love songs ("Can't Help Falling in Love," Celine Dion - "The Power of Love," etc.). (Ron Howard-CA)

7270.007, AIR Chennai, Tamil Nadu, FM Gold? English program comment heard at 0344 on July 2, S=9+10dB in Doha Qatar ME remote unit. Nice audio quality. 0000-0045 Tamil, 0045-0115 Sinhala (to Sri Lanka), 0115-0430 Home Service (FM Gold). (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

7289.994, AIR Thiruvananthapuram, Muttathura, Kerala, heard in probably Hindi or Malayalam at 0346 on July 2. Female voice talk, strength at S=8-9 level. 0230-0930 (Sat, Sun 1030). (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

7340.004, AIR Mumbai, Maharashtra, morning Urdu service 0015-0430 IS BACK ON NOMINAL 7340. Wan-

dered 9 kHz up! on June 30. Indian subcontinental music heard at 0349 on July 2, S=9+15dB, female Urdu? singer, 16 kHz wideband signal. 0015-0430 Urdu, 0830-1130 Urdu, 1130-1140 HS, 1230-1500 Sindhi, 1500-1600 Baluchi (Pakistan). Let adjacent signal in the clear at 0350. (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

7349.005, AIR Mumbai, Maharashtra, morning Urdu service 0015-0430 nominal on 7340 (!), wandered 9 kHz up on June 30 only, heard at 0334 on June 30, Indian subcontinental music heard until 04.30:08, then ID by female Urdu presenter, at 04.30:53 Hymn singer present. Mumbai TX off suddenly midst on program feed at 04.31:11. 0015-0430 Urdu, 0830-1130 Urdu, 1130-1140 HS, 1230-1500 Sindhi, 1500-1600 Baluchi (Pakistan). (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews)

7380.002, AIR Chennai, Tamilnadu, in Tamil language, string instrument program heard at 0353 on July 2. Signal strength rather weak at S=6 level. 0300-0930 (Sun 1130) ... On adjacent 7385 even channel noted WHRI_2 Cypress Creek from USA site 250kW, in Russian! language. Aoki Nagoya database mentions "Your Story Hour" program on Sundays only 0330-0400 timeslot. S=7 signal in Qatar ME. (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

7420.004, AIR Hyderabad, Telangana, in Telugu language, S=8 signal strength at 0355 on July 2. Subcontinental mx singer, followed by string instrument play. Scheduled 0220-0930 (Sun 1030). (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

7430even, AIR Bhopal, Madhya Pradesh, Hindi? language program at 0357 on July 2, proper excellent S=9+20dB signal. Best AIR 60 meter band signal as ever at this time in ME area, 10 kHz broadband audio. Weekdays 0225-0932 (Sun 1032). (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

15140, All India Radio, I repositioned the Wellbrook loop and immediately checked the bands. I was surprised to find the familiar AIR IS at 1613 on 15140. They came on 1615 in lang with a nice signal, much better than in recent months. (John Herkimer-NY, Jul 24)

INDIA (SIKKIM) 4835, AIR Gangtok. July 26, actually had some audio today 1302-1314. Slightly above threshold level audio; my local sunrise today

was at 1309, while sunset at Gangtok was 1257, so very nice gateway reception. Not heard every day. The SWLer in me still misses ABC Africa Springs NT (Tony Delroy's "Nightlife" show, etc.), but the DXer in me is very happy to be able to hear Gangtok in the clear! (Ron Howard-CA)

INDONESIA Voice of Indonesia with new language service in Dutch, July 6

1500-1600 on 9526v Dutch and deleted Chinese (DX Mix-Bulgaria)

9525.934, 2005-, Voice of Indonesia Jun 19 I can just make out their English language broadcast to Europe, if not for very powerful CRI in Russian on 9525. Otherwise I'd say that it would be semi-readable during this hour in Masset. (Salmaniw-BC/DXplorer)

9525.940, 1539-, Voice of Indonesia Jun 18 Excellent reception, except for somewhat muddy audio in Mandarin, directed to the Far East. No sign of KBS on listed 9525 at this time (and they should be easily heard). (Salmaniw-BC/DXplorer) 9525.95, VOI, on July 7, at 1033 through subsequent checking till 1207, found only open carrier; no modulation/audio at all. (Ron Howard-CA) 9525.95, VOI. Years ago, who would have thought we would see the day that this country only had one active SW station? Yes, now RRI Ternate (3344.86) has been silent for several days. As I have been reporting recently, RRI Palangkaraya (3325) has been absent and still so through July 12. VOI heard July 12, at 1001, with news in English; QRM from OTH radar. (Ron Howard-CA)

JAPAN 9480, 1925-, NHK Radio Japan Jul 1 IS at good to very good level. Will be starting one of their few remaining English transmissions to the Pacific. HFCC lists to regions 51, 55, 56 (the Pacific) and 5, which is Greenland. I'm presuming that the second digit was cut off. More likely 59, which would add the SE portion, and most heavily populated region of Australia! At 19:30, IS ended, and into, 'This is NHK Radio Japan'. They announce 5 broadcasts per day, but not the times or frequencies. For that, you have to read it on-line. Into regional news. (Salmaniw-BC/DXplorer)

11825, 0428-, Radio Japan Jun 19 Looking for MWV, but instead find very strong NHK with their unforgettable IS, then into Mandarin. (Salmaniw-BC/DXplorer)

KOREA (NORTH) 15180, 0431-, Voice of Korea, Jun 18 Ran across their IS just in time to hear, 'This is the Voice of Korea' (sounding more like Korean). Listed to Latin America. Very strong. Immediately into patriotic choral music. Measured 15 Hz high. Checking for parallels, I noted 9445 22 Hz high at threshold level, 11735 also 22 Hz high at very strong level. Same for 13760. Ignore my 22 Hz high. It was my Perseus that was off! (Salmaniw, Masset, BC)

KOREA (SOUTH) Maintenance notice of KBS World Radio. The reception condition of broadcasts toward South America will temporarily be affected, due to maintenance work at Kimje Transmission Station. We apologize for the inconvenience and thank you in advance for your patience. Period: from July 7, 2017 to November 30, 2017:

0100-0300 on 9580 KIM Japanese/English KBS World Radio (DX Mix-Bulgaria)

Additional two frequencies registered in HFCC Database for clandestine program Voice of Freedom:

0000-2400 on 6055*HWA Korean * co-ch Radio Nikkei 1 in Japanese 2200-1500, 2x050 kW

0000-2400 on 6100#HWA Korean # co-ch KCBS Pyongyang in Korean 2030-1830UT, 1x250 kW

Other frequencies of Voice of Freedom 5920; 5940; 6020; 6135. Voice of Freedom is on air 03-08; 09-15; 16-20; 21-02. (DX Mix-Bulgaria)

3985 // 5995 // 6250 // 6350, but found 9100 clearly off the air which is rare for them to be silent; leaving frequency clear for faint SOH (Taiwan) reception, which is normally heard far underneath VOH. On July 17: Echo of Hope - VOH, at 1138: At the same time, VOH on 4885, as usual, with program "Radio Broadcasting Guide," in Korean and not // to the other frequencies. Voice of Freedom, first day back on former 6135 (ex 5920), at 1144. Both 6135 and ex 5920 both heavily jammed, while former ex 5940 remains a clear frequency. I again wonder why they don't go back to clear 5940? (Ron Howard-CA)

4885, "Radio Free Korea" - VOH - Echo of Hope, 1141-1241, June 29. At both 1141 & 1241 heard what for me was a new ID in English - "Radio Free Korea." Per informative info from Amano-san (Saitama, Japan), the same program is repeated here on 4885 every hour; program is "Radio Broadcasting

Guide," provided for by "Foreign Family Alliance"; program is different from the other Echo of Hope VOH frequencies, hence 4885 is NOT // to 3985, 5995, 6250, 6350 nor 9100. At 1203 gong/bell rung slowly three times, followed by full ID in Korean. Thanks very much to Amano-san, here is the ID and his translation, posted to Hiroyuki Komatsubara's website, "Now On The Radio" (<http://radio.chobi.net/DX/>):

5920, Voice of Freedom, now back on former ex 5940, with strong N. Korean jamming; 1005 and subsequent checking through 1252. This also conforms to info at Hiroyuki Komatsubara's website, which I find to be an excellent source for up-to-date info about Asian SW activity. (Ron Howard-CA) 5920, Voice of Freedom, 1115, July 5. Why do they stay on this jammed frequency, when their ex 5940 is clear of any jamming? VOF signal often does fairly well against the jamming, e.g. July 7, at 1120 almost fair reception even with jamming. Ex 6135 is still jammed with white noise. (Ron Howard-CA) 5920, Voice of Freedom, July 9, brief check at 1135, found them somewhat stronger than the jamming; propagation must be currently favoring VOF, rather than N. Korea jamming. (Ron Howard-CA)

9640, 1609-, KBS World Radio Jul 1 Very nice reception in English to SE Asia with news items including over 2 million foreigners living now in South Korea. Also the Toronto Film Festival opening in mid-July (!). Splatter all the way from KNLS on 9655. That's 15 kHz! Not nice. In fact, KNLS splatters all the way down to 9625. Very easily seen on my waterfall from 9625 to 9680 or 9685. Come on, KNLS. Play fair, please! (Salmaniw-BC/DXplorer)

KUWAIT Radio Kuwait in Urdu AM mode and English DRM mode on July 13:

1600-1800 on 15540 KBD Urdu AM mode, new on SW 1800-2100 on 15540 KBD English DRM mode, ex AM (DX Mix-Bulgaria)

Very weak to weak signal of MOI, Radio Kuwait on July 19:

0500-0900 on 15515 KBD Arabic General Sce (DX Mix-Bulgaria)

A-17 temporarily schedule of Radio Kuwait:

0500-0900 on 15515 KBD Arabic General Service 0800-1000 on 7250 KBD Persian

1600-1800 on 15540 KBD Urdu
1700-2000 on 13650 KBD Arabic GSce DRM, ex AM
1800-2100 on 15540 KBD English DRM mode, ex AM
(DX Mix-Bulgaria)

KYRGYZ REPUBLIC 4010.145, wandered up to
4010.152 Radio 1 Birinchi, Bishkek, channel noted
as empty carrier warm-up procedure and 5 minutes
duration, also short 10 seconds of exact 1000 Hertz
test tone could be heard few times, between 2354
July 7, and R Birinchi-KGZ program start at 00.00:08
on July 8. Nothing noted on KGZ \ 4819v ... 4820v
channel. (Wolfgang Bueschel-Germany/DXplorer)

LIBERIA 6050, Jul 11, 2012, ELWA Radio, Monro-
via, English, religious comments, male and female,
religious songs. Weak. (Méndez-Spain/Shortwave
Bulletin)

MARIANAS ISLANDS 7435, at 21-22 Radio Free
Asia Mandarin program, S=9+20dB in remote SDR
unit at New Delhi in India, totally covered by
"smooth CNR1 jammusic" too at 2120 on July 8.
Same CHN mainland jamming also on 9685 kHz RFA
Kuwait relay. (Wolfgang Bueschel-Germany, df5sx,
wwdxc BC-DX TopNews)

MALI 5995, surprised to find some respectable
audio on 5995 Mali now at 2312. Most audio I've
heard on this in a very very long time. Sounds like
R. Mali made some adjustments somewhere. Here's a
short clip. Signals getting better. If it holds, 0000
sign off should be interesting. This is amazing to
hear Mali like the old days!! Easily readable audio.
Got a quick ID by the on-air announcer at 2328.
Only problem is a little slop from 5990 CRI (Cuba)
and some static noise. Wonder if it would be worth
checking at 0600 sign on. (Dave Valko-PA, July 23)
Mali was much improved yesterday (Jul 24) from
2230 t/in. It's definitely worth checking. Here is
my audio from 2246 with a clear ID by annr. After
the gap in the recording is how they sounded just
prior, and after, Cuba came blasting in at *2300.
(John Herkimer-NY)

MEXICO 6185, Jul 11, -0505*, Radio Educación,
Ciudad de México, classic music, female, com-
ments, "Mujeres compositoras", "Radio Educación".
(Méndez-Spain/Shortwave Bulletin)

MYANMAR 5985, Myanmar Radio, at 1205, on
July 19. Special coverage of Myanmar vs Singapore
soccer match; in vernacular; usual background
sounds for such an event (crowd cheering, loud-

speaker, etc.); preempted regular programming;
at half-time break, played indigenous music till
resuming coverage again. (Ron Howard-CA)

OMAN 15140, in English to Europe 1400-1500 then
into Arabic to Europe from 1500 to 2200. A very
strong signal the whole time blocking out other sta-
tions on this frequency including Cuba in English
1900 to 2000. (Fraser-ME)

NEW ZEALAND Frequency changes of Radio New
Zealand International:

2051-0258 on 13840 RAN English AM mode, ex
-0458UT

0259-0458 NF 11725 RAN English AM mode, ex
13840 &

0459-0658 NF 9700 RAN English AM, ex 11725
July 2
(DX Mix-Bulgaria)

PAKISTAN 15700, 0500-0700 Radio Pakistan,
Islamabad in Urdu language, to ME, Iran, Turkey
& No/We Africa, noted in Eastern Thailand at 0500
until sudden OFF air at 0548 on July 17. Noisy S=5-6
signal, Pakistani music and typical drums singer.
For the first time since a lot of months back, I heard
Radio Pakistan from Islamabad again this morning.
The signal was weak and tiny and also heavy NOISY
quality, like Taiwanese SOH Sound of Hope audio
level on 13680.186, 15070.203 or 15339.853 at same
time slot. (Wolfgang Bueschel-Germany/DXplorer)

PAPUA NEW GUINEA Thanks to Timm Breyel
(Malaysia) for posting to WRTH Facebook page an
official announcement from NBC (June 29), titled
"NBC increases coverage for the 2017 general elec-
tion." NBC has reactivated three medium wave
transmitters. They are at Vanimo (Sandaun Prov-
ince), Lae (Morobe Province) and Kimbe (West New
Britain Province), all done with the help of aid from
the Australian government. "He [NBC Managing
Director, Mr. Kora Nou] said people should have a
clear radio service on the 'AM' band" and also "He
said NBC is continuing to examine all its transmitters
nationwide to see if it can also increase FM
radio and TV coverage elsewhere in the country."
Sad to say the announcement never once mentioned
SW radio. (Ron Howard-CA, July 3)

3260, NBC Madang, July 17, with well above the
normal reception; 1043 pop Pacific Islands song;
1047, in Pidgin with election results; still on at
1220. (Ron Howard-CA) Noted 3260, NBC Madang, at

1254 (Jul 26) and subsequent checking through to 1325, with no modulation/audio at all, but decent level open carrier. (Ron Howard-CA)

3275, NBC Southern Highlands. July 9, 14 & 23, continues silent. (Ron Howard-CA)

3365, NBC Milne Bay. July 9, 14, 15, 17 & 23 continues silent. (Ron Howard-CA)

7324.95, Wantok Radio Light. On July 14, did one of my periodic checks here at 0948 (before the *1000 sign on of CRI) and found 7325 a clear frequency with no stations present. Aoki now shows "7325" in red, with an "x" ("off the air"). (Ron Howard-CA)

PAPUA NEW GUINEA (BOUGAINVILLE) 3325, NBC Bougainville, 1058, July 26. A moment of nostalgia here, with playing of the song "Waltzing Matilda," by a heavily accented Australian singer. 1109 - Dire Straits with "Walk of Life." No extended broadcast today, but instead was off the air before 1152. At which time I heard Pro 1 RRI Palangkaraya in the clear with almost fair reception; well above the norm for them, with time pips at 1200 and Jakarta news audio feed at 1201. (Ron Howard-CA)

PERU 4810, Radio Logos, 1113, July 16. Unusually good signal, with religious songs. Rare for me to hear them at this level! Also, heard at the same time in Japan by DFS. (Ron Howard-CA)

4825, Radio La Voz de la Selva, Message via Facebook: <https://www.facebook.com/RadioLaVozDeLaSelva/> (January 2017). (Daniel Wyllyans, Nova Xavantina-Brazil/DX Fanzine)

5980, Jul 10, -2337v, R Chaski, Urubamba better audio this evening than usually, rather low modulation compared to f.ex. Pio XII and Santa Cruz. After monitoring this several evenings, it seems the c/d really goes forward about 7-8 seconds a day. Seems to be pretty stable on 5980.008. Myanmar is very strong also after about 23 z on 5985 producing some splash here. (Tarmo Kontro-Finland/Shortwave Bulletin)

6173.8, Jul 5, -0203v, Radio Tawantinsuyo Cuzco. Better today than usually, c/d around 0203v daily. Today ID at 0156. A carrier and some audio on 6185 might be Mexico or what? (Tarmo Kontro-Finland/Shortwave Bulletin)

PHILIPPINES Reception of Radio Teos via FEBC Manila, June 26:

1500-1600 on 11650 BOC Russian, weak (DX Mix-Bulgaria)

RUSSIA 7295, reactivated, Radio Sakha, via Yakutsk, 1022-1104, July 18. Phone conversation; EZL music; 1051 usual "Radio Sakha" ID; recently noticed they no longer run a series of commercial announcements after the ID as they did in the past; best reception in LSB to get away from moderate QRM from 7300. Several times stronger than // 7345, which was much weaker than usual; 1100 IS (Jew's harp - khomus) and 4+1 time pips. At *1101, CRI (7345) signed on and blocked the weak R. Sakha reception; certainly after 1101, no question that 7295 is the best frequency for me to hear them on. I last heard them here on Feb 26, so very nice to again hear this former frequency active again! (Ron Howard-CA) 7295, Sakha not doing to badly here this morning (Jul 22)! Much better on a Japanese web receiver of course. Woman is doing the news now at 1008. I missed the ToH as I was recording 49mb ZYs. Even 3325 Bougainville is readable here this morning. 3260 is there too but not much audio. So conditions a little better. (Dave Valko-PA)

7345, Radio Sakha, via Yakutsk, 1037, July 7. Sounds of a large crowd; sounded like some interviews at the event; strongly suspect this was coverage of Yakutsk's Guinness World Records event with 16,620 people wearing traditional Yakut clothing. (Ron Howard-CA) 7345, Radio Sakha, via Yakutsk, 1025-1100, July 14. Above average reception; music program (folk, ballads, pop, etc.); 1050 usual ID ("Radio Sakha") and gave phone number; 1100 IS (Jew's harp - khomus) and 4+1 time pips; then at almost 1101 covered by strong CRI sign on here. This is one of my favorite stations for listening to their nice music. Former // 7295 is no longer on the air. (Ron Howard-CA)

SOLOMON ISLANDS 5020, Wantok FM relay via SIBC, 1227, June 24. Extended broadcast, as Glenn Hauser also noted today; pop songs (Whitney Houston - "I Will Always Love You," etc.); still on at 1242, but gone by 1255. My local sunrise was at 1250. (Ron Howard-CA)

SOMALIA 7119.998, Radio Hargeysa in Somali language, S=9+10dB noted on remote unit at Doha Qatar, as usual male voice presenter at 0340. (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

7750, Radio Warsaw FM (presumed) broadcasting in Vernaculars as confirmed on 28 June; 4 July around 1735 with emotional talks; discussions, march at 1800 followed by nx, talks, song; cl/down at 1834. The other similar station operating on 7700 AM was confirmed on 28 June with Vernaculars(?) talks till 1738, followed by only carrier and close/down at 1758 - whether these broadcasts (it seems they are daily) are related with Marconi Radio International? (Rumen Pankov-BUL, via wwdxc BC-DX TopNews July 9)

SUDAN 7205, Radio Omdurman, Ar, smooth Arabic/Sudanese music program, S=9+15dB strength, at 0338 on June 28. (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews June 28) Empty channels, NOT on air this morning at 0342: 7205 Omdurman, nor 7145/7150/160/7175/7180 from ERI / ETH. (Wolfgang Bueschel-Germany, df5sx, wwdxc BC-DX TopNews July 2)

TAIWAN 11685, 1531-, Radio Taiwan International Jun 20 Excellent reception in English, presumably to SE Asia, but booming into Masset this morning. Traditional Chinese music. Cochannel CRI in Tamil is easily heard at much weaker level, but does little to take away from the quality of the programming. Minor splatter from KCBS 5 kHz lower with their usual martial music. (Salmaniw-BC/DXplorer)

15320, 0357-, Radio Taiwan International Jun 18 Thank you for listening to Radio Taiwan International, from Taipai, Taiwan at 03:58. A tough copy, and only heard on my NW BOG. English schedule given. Fair at best, with lots of splatter from super-powerful NHK 5 kHz higher. 3+ 1 time pips at 04:00 and into Chinese. Seems cochannel with mainland jammer (another Chinese speaker). Listed to SE Asia. (Salmaniw-BC/DXplorer)

UNITED ARAB EMIRATES FEBA Radio via BaB-coCk Dhabayya on June 22:

1600-1630 on 11655 DHA Afar
(DX Mix-Bulgaria)

Trans World Radio Africa via BaBcoCk Al-Dhabayya, July 13

1300-1315 on 17680 DHA Afar Thu-Sun, good
(DX Mix-Bulgaria)

17800, 1632-, Deutsche Welle Jul 1 Checking on their remaining English broadcast, DW is at thresh-

old level on this channel. 15315 from Issoudun is even weaker to West Africa, 15290, also from Issoudun, to East Africa is at threshold audio. 9670 from Meyerton would have been the best channel if not for our friend, KNLS in Russian on 9655, destroying this part of the band. (Salmaniw-BC/DXplorer)

USA Frequency changes of Radio Free Asia/Radio Farda/Voice of America, July 1:

Radio Free Asia

0030-0130 NF 17845 SAI Burmese, ex 17785 SAI
0100-0300 NF 13765 DB Tibetan, ex 17730 U-B
1100-1400 NF 15745 DB Tibetan, ex 7470 U-B
2100-2200 NF 11960 TIN Korean, ex 7460 U-B

Radio Farda

0630-0930 NF 9370 KWT Persian, ex 11925 BIB
0930-1100 NF 9370 KWT Persian, ex 11925 LAM

Voice of America

0130-0230 NF 17835 PHT Burmese, ex 17780
1400-1500 NF 15595 BOT Kurdish, ex 15600
1700-1800 NF 9820 BIB Kurdish, ex 9390
1700-1730 NF 12110 BOT Amharic Mon-Fri, ex
1630-1700
1700-1730 NF 15580 BOT Amharic Mon-Fri, ex
1630-1700
(DX Mix-Bulgaria)

Shortwave Radiogram Now that Kim Andrew Elliott has retired from Voice of America, his VOA Radiogram digital broadcasts from VOA stopped as of 18 June. The broadcast has been renamed Shortwave Radiogram and continues via WRMI, with a new outlet added via Bulgaria. The full schedule is:

Saturday 1600-1630 9400 Spaceline, Bulgaria
Sunday 0600-0630 7730 WRMI
Sunday 2000-2030 11580 WRMI
Sunday 2330-2400 11580 WRMI

Shortwave Radiogram transmits digital text and images transmitters, mainly in MSK32. To decode the digital text and images transmitted on Shortwave Radiogram, you need to download Fldigi for PCs and the TIVAR app for Android devices from w1hkj.com. See also the Radiogram web site for advice at <http://swradiogram.net>. (British DX Club)

Updated summer A-17 schedule of WINB Red Lion

1200-1400 on 9265 English Sun
1400-2100 on 9265 English Sat/Sun
2030-2045 on 9265 English Mon-Fri
2045-2100 on 9265 Eng/Spa Mon-Thu
2045-2100 on 9265 English Fri
2100-2130 on 9265 Spanish Wed
2100-2130 on 9265 English Thu-Tue
2130-2330 on 9265 English Daily
2330-2400 on 9265 Spanish Mon
2330-2400 on 9265 English Tue-Sun
0000-0330 on 9265 English Daily
0330-0500 on 9265 English Mon
(DX Mix-Bulgaria)

5850, the British DX Club's listings of A-17 has Tirana and Prague using this channel, both at 2300 and relayed by WRMI. Since both stations were often received by me back in the days when these stations came from their own countries, I was interested in hearing them again. However, I found Tirana is on 5850. I don't blame the British DX Club as they go by what they are given, but rather WRMI is responsible. A number of times I have tuned to an American station for some interesting program to find they have aired something different. (Bob Fraser-ME)

9565, Radio Marti from Florida in Spanish various programs beamed to Cuba from 2000 to 24000 with many IDs particularly on the hour. Fair signal and quite clear until the last half hour or so. At 2200, there is usually a high-pitched whine or loud hiss for 2 to 5 minutes which, if a jammer, has various results. I'm surprised the station is still on with the recent normalization between U.S. and Cuba. (Bob Fraser-ME)

VANUATU 7259.96, R. Vanuatu, June 26. Poor with QRN (static); 0554-0608 interview in vernacular (no break at ToH); Pacific Islands songs; 0629-0637 segment with intro and exit of drums; clear ID for "Radio Vanuatu." BTW - As a point of interest, it should be noted that the President of Vanuatu suddenly died on June 17. The electoral college will select a new president on July 3, so assume there will be many segments on SW about this activity. (Ron Howard-CA) 7269.962, 1554-, Radio Vanuatu Jul 1 On late this morning, and still audible many hours after my LSR. Clearly on their usual low frequency, and best heard on the SW/NE directed ALA 100. Cochannel, but not an issue on this antenna is PBS Xinjiang. Non-stop music,

not sounding at all like the Urumqi transmitter. Nothing at the TOH, either. Just continual modern western music. Still on at 16:47 recheck (just on the waterfall). Still going at 18:06 recheck. The other transmitter on channel, went off at 18:05. Nothing there at 18:28 recheck, however. (Salmaniw-BC/DXplorer)

VATICAN Radio Veritas Asia via SM di Galeria, June 23

1430-1457 on 11630 SMG Urdu, powerful
1500-1553 on 15620 SMG Filipino, strong
(DX Mix-Bulgaria)


Vatican Radio via SM di Galeria and Tinang, June 26

1200-1220 on 17520 SMG Italian, very good
1200-1220 on 17590 SMG Italian, very good
1230-1300 on 11875 PHT Russian, very poor
1230-1300 on 15370 PHT Russian, very weak
(DX Mix-Bulgaria)

ZAMBIA 6065, Jul 11, 2000, Voice of Hope, Lusaka, English, id. "From Zambia, this is The Voice of Hope Africa... on 6065 and 4965 kHz, this is The Voice of Hope", religious songs. // 4965. 35433. (Méndez-Spain/Shortwave Bulletin)

ZANZIBAR 6015, ZBC Radio, on June 26, with sports coverage; preempted regular programs; tuned in at 0347; probably the COSAFA Castle Cup game between Tanzania & Malawi, held in RSA. No drums as usual at 0359, but at 0401 time pips and sounded like the start of a second audio feed with the news, mixing with the sports coverage audio. Poor reception, so hard to be positive as to just what was happening. ZBC was silent on June 25. (Ron Howard-CA)

11735, Jul 11, 1757, Zanzibar Broadcasting Corporation, Dole, Swahili, comments, at 1801 English, "It's nine o'clock" news, female, "This news comes to you from Zanzibar Broadcasting Corporation", "The main points again", "This is Zanzibar Broadcasting Corporation", at 1812 Swahili again. (Méndez-Spain/Shortwave Bulletin)

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

Pirate Radio Report

George Zeller • 3492 West 123rd Street • Cleveland, OH 44111 • georgez@nacs.net

Shortwave pirate broadcasting continued at a very brisk pace once again during the past month. Pirate broadcasting inevitably increases around major North American holidays, but this month in August is relatively bereft of holidays. The next major pirate holiday will be on Labor Day weekend, early in September.

One downside is that the continuation of summer creates substantial static levels on the shortwave bands. Summer storms move us entirely out of the winter DX season.

Pirate busts by the FCC during the past month were mainly concentrated in the New York City metro area as usual. The FCC issued a Notice of Unlicensed Operation to Alfredo Avendonzo of Bay Shore, NY for operating an FM pirate on 98.1 MHz. The FCC issued a Notice of Unlicensed

Operation to Efrian Lanci Ortega of Queens, NY for operating an FM pirate on 95.9 MHz with an ID of Radio Xplosion Hits. The FCC issued a Notice of Unlicensed Operation to Mordechai Benishai of Brooklyn, NY for operating an FM pirate on 94.1 MHz from the Tos Seformim Center bookstore. The FCC issued a Notice of Violation to medium wave station KTHO of South Lake Tahoe, CA for failure to keep the proper address of their main studio on file with the FCC. The FCC issued a Notice of Unlicensed Operation to Betty Sarfo of Worcester, MA for operating an FM pirate on 98.7 MHz. The FCC issued a Notice of Unlicensed Operation to Winsland Georges, pastor of the New England Evangelical Church of Mount Olives in Medford, MA for operating an FM pirate on 98.7 MHz. The FCC issued a Notice of Unlicensed Operation to Wendy A. Lopez of Springfield, MA for operating an FM pirate on 101.5 MHz. The FCC issued a Notice of Unlicensed Operation to Clairelia and Walter St. Fleur and also Sylvie St-Pierre, all three of Miami, FL, for operating an FM pirate on 101.1 MHz. The FCC issued a Notice of Unlicensed Opera-

tion to Tracy and Gerald Peters of Oakland Park, FL for operating an FM pirate on 99.5 MHz. The FCC issued a Notice of Unlicensed Operation to Robert Tuckey of Greenbae, CA for operating an unlicensed signal booster for his T-Mobile telephone from his yacht "Dreamer" based at the Marin Yacht Club in San Rafael, CA. The FCC issued a Notice of Unlicensed Operation to Sean Marshall of Bronx, NY for operating an FM pirate on 98.9 MHz. The FCC issued a Notice of Unlicensed Operation to Winston Tulloch and Phillip Mahoney, both of Paterson, NJ, for operating an FM pirate on 90.9 MHz. The FCC issued a Notice of Unlicensed Operation to Maria Santiago of Bronx, NY for operating an FM pirate on 95.3 MHz. The FCC issued a Notice of Unlicensed Operation to Howard A. Bryan of Paterson, NH for operating an FM pirate on 89.7 MHz. The FCC issued a Notice of Unlicensed Operation to Yvon Grand-Champ of Mattapan, MA for operating an FM pirate from the Revelation Pentecostal Holy Church on 106.3 MHz. The FCC issued a Notice of Unlicensed Operation to Orlando Marillo of Bronx, NY for operating an FM pirate on 94.9 MHz. The FCC issued a Notice of Unlicensed Operation to Davina Mendez of Boston, MA for operating and FM pirate on 87.7 MHz. The FCC issued a Notice of Unlicensed Operation to Talya Andrea Lantz of Boston, MA for operating an FM pirate on 101.3 MHz.

Your pirate DX news and logs for this column are always welcome. Feel free to send them in so that others can follow trends on how and where others are hearing unscheduled and ever-changing pirate radio operations on shortwave.

Captain Morgan 6949.6 2246 6/24/17 poor to good & fading. Prgm of mainly blues mx. (Taylor-WI)

Captain Morgan Shortwave 6949.6 0023 6/26/17 fair. Prgm of Beatles and Twilight Zone mx. (Taylor-WI)

Clever Name R. 6925 0127-0249 6/24/17 fair. Prgm of Beatles and Pink Floyd classic rock mx. (Taylor-WI)

Clever Name R. 6940 0018 6/27/17 fair. Prgm of oldies rock & instr mx. (Taylor-WI)

Fart Knocker R. 6945 0150 7/1/17 fair. Prgm of mx & tlk. (Taylor-WI)

KUNT 6940 0150 6/25/17 fair. Prgm of rock mx ancd as a test. (Taylor-WI)

Liquid R. 6925 0002-0143+ 6/25/17 poor w/fair peaks. Prgm of contemporary dance mx. (Taylor-WI)

Moonlight R. 6945 0111 6/26/17 poor to fair. Rock mx prgm. (Taylor-WI)

Pee Wee R. 6945 0132 6/25/17 good. Rock mx prgm w/sfx. Two SSTV digital images at close. (Taylor-WI)

Pee Wee R. 6953.3 0156 6/25/17 good. Prgm of rock oldies mx. CW IDs and SSTV image at close. (Taylor-WI)


Pee Wee R. 6930 0156-0240 6/27/17 fair. Prgm of very old rock oldies & rockabilly mx. (Taylor-WI)

R. Free Whatever 6850 0044-0207 6/25/17 S8. Dick Weed w/prgm of rock mx and discussions of his own personal history, on and off during listed times. (Taylor-WI)

Renegade R. 6935 0157-0203* 6/24/17 S9. Prgm of dance mx. (Hauser-OK)

Wolverine R. 6945 0050 6/25/17 very good. Prgm of mx abt sugar. (Taylor-WI)

Woolvureen R. 6929 SSTV 0104 6/26/17 good. Image of a Sugar Crisp cereal box w/ID as spelled here at the bottom of the image. (Taylor-WI)

YHVH 6935t 0050-0110* 6/25/17 fair. No ID hrd as such. Prgm of rock mx & YHVH looped theme song. (Taylor-WI) 

NASWA 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 D'Angelo** (rdangelo3@aol.com) 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.

For faster service with membership dues payments, address changes, or missing bulletins, send all information to NASWA, 45 Wildflower Road, Levittown, PA 19057-3209. The email address for these matters is billoliver@verizon.net Please send articles and comments for the Musings section of "NASWA Notes" to Rich D'Angelo whose address appears on his masthead

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



ROMANIA: Radio Romania In-ternational 7340 f/d "Union Square in Timisoara" cd. in 154 ds. for a postal report. (Sives-NJ).

SLOVAKIA: Radio Slovakia International 11580 f/d photo of "Jozef Miloslav Harban, a leader of the Slovak uprising of 1848" card in 49 ds. (Sives-NJ).

USA: WRMI Radio Miami In-

ternational 9395 f/d cd. in 35 ds. for an email report. The front side of the QSL displays a sign next to the transmitter in Florida and bears a stamp of authenticity similar to the ones used by a notary public. (Sives-NJ).

ZAMBIA: Voice of Hope 6065 via **Lisaka** The station verified my email report with a f/d "TCI Model 527 Super High Gain Log Periodic Antenna" 527 Super High Gain Log Periodic Antenna" cd. in 52 ds. v/s Ray Robinson, Vice President of Global Operations. The QSL card was mailed from Isreal!!! (D'Angelo-PA).



Trójka
POLSKIE RADIO

A rather short QSL Column this month...considering we didn't have any material to report for last month. Get the reports in fellas. I know your out there!...sam.

RAVE ON RADIO

6925 USB

2011 Halloween Show

"Broadcasting from a studio in the woods"



Broadcast Date: November 2, 2011

Broadcast Time: 0100-0214 UTC

To: Chris Lobdell

Contributors' Page

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

- Ed CICHOREK**, NJ
Larry COTTON, Parrish, FL
Rich CUFF, PA
Rich D'ANGELO, Wyomissing, PA
Mick DELMAGE, Sherwood Park, AB
- Robert FRASER**, Belfast, ME
Glenn HAUSER, Enid, OK
John HERKIMER, NY
John MILLER, Ochlocknee, GA
Ralph PERRY, Wheaton, IL
Pamela PRODAN, Wilton, ME
Alan ROE, Teddington, UK
Ronald SIVES, South Plainfield, NJ
Dave TURNICK, Sinking Spring, PA
- SW8, ICF-2010, SX-99, Eavesdropper
Drake R8B & Wellbrook ALC153NP Loop
No equipment listed
RX340, Alpha Delta DX Sloper
Perseus, ALA 100 loop, Collins HF-2050, KLM 7-30
MHz Log Periodic
Eton Mini 300, whip antenna
FRG-7, DX-398/ATS-909, YB400, ICF SW-07
No equipment listed
Sangean 909X & Sony 7600 GR
R8B, NRD-545, E1, 355' bi-dir LW
YB 400PE
Winradio G31DDC Excalibur, Elad FDM-S2 17m long wire
Eton field radio & 66; SWL dipole
RX340, WinRadio, Alpha Delta DX sloper 

Loggings

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

- 3240 **SWAZILAND Trans World Radio** Manzini, 0315-0333 Jun 24, instrumental music followed by a man announcer speaking (for a long period of time) in the listed Shona language. Poor to fair. (D'Angelo-PA)
- 3955 **UNITED KINGDOM KBS World Radio** Woofferton, 07/02, 2000. German. News followed by music program "Unterwegs mit Musik" (On the road with music) featuring K-Pop music presented by female with male co-host. 55555. (Roe-UK)
- 3955 **UNITED KINGDOM Radio Taiwan Int** Woofferton, 07/02, 1930. French. Chinese traditional music in the program "Partitions Orientales" presented by male announcer. 55555. (Roe-UK)
- 3965 **FRANCE Radio France Int** Issoudun, 07/05, 1945. French. Program "La bande passante" with new music including Songhoy Blues from album album Résistance by Mali Nord. After 2000UT was great African music in program Couleurs Tropicales. 16dB. (Roe-UK)
- 3985 **GERMANY Radio Slovakia Int** Kall, 07/07, 1900. English. News. Program: Musical Crossroads (report from a Music Festival). 45333. (Roe-UK)
- 3985 **GERMANY RAE Argentina** Kall, 06/20, 2100. German. News read by a woman and Argentinian Folk songs. 55444. (Roe-UK)
- 5040 **CUBA Radio Habana Cuba** Spanish 2321+ English m ann reporting on international environmental convention, interview; poor 7/5(Prodan-ME)
- 5130 **UNITED STATES WBCQ** Monticello, ME 2226-34 dramatized story, probably religious; 2258-2305 music & WBCQ IDs, then "Radio Tintron"; good but with lightning activity 7/1 (Prodan-ME)
- 5850 **UNITED STATES Radio Prague** via WMRI at 2340 6/14 with a program of guitar music. (Fraser-ME)
- 5920 **USA WHRI**. 7/5/17; 0105-0115 Some catchy sounding Christian pop-rock. Fair signal with minor fading. (Sives, NJ).
- 5975 **AUSTRIA NHK Radio Japan** Moosbrunn, 06/21, 0505. English. News followed by a feature about the nomination of Bando POW camp in Japan for inclusion in the UNESCO Memory of the World register. 55444. (Roe-UK) 07/07, 0510. English. News; Welcome to Amazing Japan: Kyoto. 55444. (Roe-UK)
- 6000 **CUBA Radio Habana Cuba** English 0236-08 "stay tuned for Caribbean Outlook" - Venezuela situation; fair 7/8 (Prodan-ME)

- 6000 **CUBA Radio Habana Cuba** at 1100 6/18 in SS. News (Fraser-ME)
- 6005 **GERMANY Radio Tirana Kall**, 07/01, 1900. English. News, followed by a program of traditional folk music (but signal now just barely audible, so I give up). 35222. (Roe-UK)
- 6030 **CANADA CFVB** from Calgary, AB in EE. SIO 434. June 29, 2107, 2322 -2330. Comedy routines, including Bob Newhart, with audience response. Newhart followed by another comedian and comedy routine. Listenable, but not easily listenable. Moderate QRN and shallow QSB. (Henley, WA)
- 6065 **ZAMBIA V of Hope Makeni Ranch**, 07/04, 2000. English. Christian music and talk by a female. 35333. (Roe-UK)
- 6070 **CANADA CFRX** Toronto 2201-04 news, naturalization ceremony on Canada Day "no better way to celebrate Canada's 150th birthday than to welcome Canada's newest citizens"; "News Talk 1010"; weather; then TED Talk on expanding universe; fair with lightning activity 7/1 (Prodan-ME)
- 6070 **GERMANY from The Isle of Music Rohrbach**, 07/04, 1900. English/Spanish. Interview with female Cuban musician in Spanish and usual selection of great Cuban music. 55333. (Roe-UK)
- 6070 **CANADA CFRX** UT Sat July 15 at 0122, check of CFRX, interview about some show at York University, so is it still "Geeks and Beats" as previously on the CFRB programme schedule? I wouldn't think so, but finding the website <http://www.geeksandbeats.com/> show topics, still new ones on podcast at least, are quite wide-ranging. Unless someone can definitely tell me, will remain Unconfirmed on DX/SWL/Media Programs (Hauser-OK)
- 6134 **BOLIVIA Radio Santa Cruz** July 16 at 0053. R. Santa Cruz is fair with no het from Brasil, during news from different departments, Potosi, Oruro, Beni (Hauser-OK)
- 6155 **AUSTRIA Oesterreich Rundfunk Moosbrunn**, *0500-0513 Jun 29, woman announcer with German language opening station ID and announcements followed by news with various remote reports. Fair signal. (D'Angelo-PA)
- 6170 **ROMANIA Radio Romania Int** Galbeni, 07/06, 2030. English. News; Travelers Guide (the Romanian Black Sea Coast season). 55544. (Roe-UK)
- 6170 **NEW ZEALAND Radio New Zealand Int'l** in EE. SIO 343. July 7, 2017, 1350 - 1408. Talk and commentary. Discussion of President Trump, popular culture, interviews with counter-culture advocates, and folk MX. News and ID at top of hour. (Henley, WA)
- 6185 **BRAZIL Radio Nacional** 0238-45 traditional Brazilian music; poor+ 7/8 (Prodan-ME)
- 6195 **BOTSWANA Voice of America** 2155-2200 pop/rock music, ending with VOA sign-off; fair with lightning activity 7/1 (Prodan-ME)
- 6195 **OMAN BBC WS A'Seela**, 07/06, 1745. English. Witness (Discovery of Anglo-Saxon hoard in Staffordshire in 2009). Over 3000 pieces were discovered, and now worth over £3Million. 45343. (Roe-UK)
- 7280 **VIETNAM V of Vietnam Hanoi**, 06/15, 1900. English. news and Current Affairs, then Discovery Vietnam (about a river & pagoda) ending with a nice female vocal song. 45444. (Roe-UK)
- 7285 **ALBANIA China Radio Int'l**. 2102-2104,6-27-17. Man in English with news and sports. Poor. (Cichorek-NJ)
- 7295 **FRANCE Radio Algerienne** Issoudun, 0423-0458* Jun 29, man with recitation followed by another man with Arabic language talks. Mix of short vocal selections and talks until closing vocal with carrier cut. Fair. (D'Angelo-PA)
- 7325 **SINGAPORE BBC** Kranji, 07/01, 1830. Pashto. News headlines then reports starting with item about Hong Kong. 55444. (Roe-UK)
- 7345 **RUSSIA Radio Sakha** at 1049 UTC June 29 with music. Usual IS with jews harp 5 time pips to 1100 UTC. Fair until mixing with CNR1 China at 1100 UTC. (Delmage, AB)
- 7360 **VATICAN Vatican Radio SM di Galeria**, 07/03, 2000. English. African Panorama. 45333. (Roe-UK)
- 7385 **CHINA CNR** in CC. SIO 534. July 7, 2017, 1434 - 1445. This is likely CNR from Beijing covering up RTI on same frequency. It seems too strong to be Lhasa. M & F commentators in rapid commentary. Fluttering QSB, modest QRN. I can hear another station underneath the CNR signal, but not well enough to positively identify it as RTI. (Henley, WA)
- 7385 **UNITED STATES WHRI World Harvest Radio** religious broadcaster in EE. June 20, 2017 0020 - 0025. MX, Christian Rock, M vocals. Very clear, strong signal. Easy listening. (Henley, WA)
- 7385 **CHINA CNR** in CC. June 20, 2017 1508 - 1518. Talk format with both M & F announcers or interviewers. Appears to be the usual CNR attempt to cover up Radio Taiwan Int'l on the same frequency, but RTI may not be active in this time slot. I can occasionally detect an unidentified signal underneath CNR, but the interference is effective today. It may not have been RTI. (Henley, WA)
- 7385 **CHINA CNR5** in CC. June 22, 2017, 1456 - 1506. M announcer, talk format. Can hear Radio Taiwan Int'l underneath CNR, but not strongly. The QRM is effective, with a strong and clear signal. Time pips at top of hour with F station announcement, bumper MX, ads, news items at 1501. Rapid-speaking M announcer. RTI seemed to be gone at 1500, as scheduled, but CNR continued. (Henley, WA)

- 7410 **CHINA China Radio Int'l** in JJ. SIO 444. July 6, 2017, 1510 – 1522. F announcer with commentary. Some MX. Followed by language lesson with repeated phrases, emphasis, and explanations. Good signal overall. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ. SIO 555. July 7, 2017, 1408 – 1415. News and commentary with M & F announcers. Language lesson at 1410 JJ/CC with M & F instructors. Excellent signal. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ from Jinhua, June 6, 2017, 1513 – 1531. Excellent signal with almost no QRN/QSB. Language lesson in CC for JJ speakers. Language lesson over at 1520 followed by EE phrase "Let's begin now" apparently repeated in several other languages as an introduction to other broadcast language lessons from CRI.. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ. June 12, 2017, 1503 – 1517. M announcer with news at top of hour. News items preceded by a location identifier. Bumper MX then commentary continues. Moderate QRN, slow, shallow QSB, but a quite listenable signal despite that. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ. June 20, 2017 1501 – 1506. F announcer with news items in a strictly "as read" format. Very strong signal with only slight QSB/QRN. Very listenable, but F announcer is a bit emphatic and strident, not especially personable. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ. June 22, 2017, 1434 – 1448. Japanese to Chinese language lesson. MX from Chinese opera to Pop. Very strong and clear signal, the usual CRI powerhouse, with almost no QRN/QSB. F vocals in MX, M & F commentators in conversational format. Choral MX at 1442, with F soloist as bumper MX. (Henley, WA)
- 7410 **CHINA China Radio Int'l** in JJ with language lesson. SIO 353. June 26, 2017, 1513 – 1523. Language lesson followed by F monologue. Heavy QRN and shallow QSB. Unpleasant listening. Two F in conversation possibly related to language lesson, return to the usual CRI programming at 1520. Difficult listening, not worth the effort. Pop/Rock MX follows. (Henley, WA)
- 7425 **IRAN Voice of Islamic Republic of Iran** Zahedan, 0011-0107 Jun 27, music followed by a mam announcer with long Arabic language talk. Music programming from 0130 with music fanfare at 0100 and a man announcer with news. Poor to fair. (D'Angelo-PA)
- 7425 **NEW ZEALAND Radio New Zealand Int'l** in EE. June 19, 2017, 0940 – 1015. Excellent, strong, and clear signal. News from the region and the world. Regional WX report and forecast. News items, (Henley, WA)
- 7425 **IRAN VIRI** July 17 at 0130, algo JBA and nothing on 7424, so presumed VIRI Arabic via Zahedan back on proper frequency, scheduled all the way from 1730 to 0230 (Hauser-OK)
- 7445 **TAIWAN Radio Taiwan Int'l** at 1106 UTC tune in June 29 with news followed by stock market report and "Here in Taiwan" program. Very Good // 11600 kHz Good. (Delmage, AB)
- 7445 **AFGHANISTAN [non] BBC** July 21 at 0031, poor signal in noise, maybe stilted Spanish? Far from it: latest HFCC shows BBC in Dari at 0030-0100, 250 kW, 86 degrees from Woofferton UK. (And alternating Pashto and Dari semi hours continue on 7445 with site changes: 0100-0300, 35 degrees from Oman; and 0300-0330 switching again to 163 degrees from Uzbekistan) (Hauser-OK)
- 7490 **UNITED STATES WBCQ** Monticello, ME 2306-30 m discussing economic decline, collapse, world government, religious fanatics, etc; "Radio Alexandria is radio for the future"; poor-fair 7/5 (Prodan-ME)
- 7490 **UNITED STATES WBCQ** Monticello ME, 2109-2131+, 19-July; Glenn Hauser's World of Radio #1886; noted an item from Don Hosmer about the closing of CKZN. WoR to 2129:00 to music fill, then BoH WBCQ ID by the Goddess Irina & into her dulcet tones. S10 peaks (Harold Frogde, Midland MI, USA, Drake R8B + 185' RW, ----- All logged by my ears, on my receiver, in real time! -----, DX LISTENING DIGEST)
- 7505 **UNITED STATES WRNO Worldwide** New Orleans, 0346-0404* Jun 17, man announcer speaking in Chinese language. Woman closed Chinese program at 0400 with station ID and contact information which was repeated in the English language. Good signal. (D'Angelo-PA)
- 7730 **UNITED STATES RAE** at 0700 7/14/ Music interludes, ID's and DX Special program. (Miller-GA)
- 9395 **USA RAI Argentina** 2109-2113, 6-27-17. Woman in English with business report for south American countries. At 2103 ID with detailed information on RAI broadcasts in English. Fair signal. (Cichorek-NJ)
- 9420 **GREECE Helleniki Radiophonia** 2117-2122, 6-27-17. Pleasant Greek vocals. Good signal. (Cichorek-NJ)
- 9420 **GREECE V of Greece** Avlis, 07/08, 1917. Greek. Live concert recording of Beatles covers (Lady Madonna, Yesterday, Eleanor Rigby and many more). 55555. (Roe-UK)
- 9435 **NORTH KOREA Voice of Korea** in FF. June 6, 2017, 1501 – 1512. Instrumental MX with F announcer in FF. More MX with F commentator between songs. Commentary and news clips, N. Korean style, all in FF. Modest signal with some QRN/QSB but listenable. (Henley, WA)
- 9435 **NORTH KOREA Voice of Korea** in FF. June 18, 2017, 1451 – 1503 MX with F vocals. F announcer between songs in FF. Some QRM, a bit of fluttery QSB and moderate QRN. F with news, commentary, and announcements at 1500. (Henley, WA)

- 9445 **INDIA All India Radio** Bengaluru, 07/06, 1945. French. Indian song, talk by YL and Hindustani classical song. (Normally scheduled in Hindi at this time). 55555. (Roe-UK)
- 9475 **GUAM KSDA AWR** 1230 UTC June 29 with English ID and sign on for Cantonese programming. Very Good (Delmage, AB)
- 9535 **ROMANIA Radio Romania Int** Galbeni, 07/03, 2030. English. The History Show with a feature titled "The communist regime and the intimidation of the free press", 18dB. (Roe-UK)
- 9550 **AUSTRIA Adventist World Radio** Moosbrunn, 0342-0405 Jun 14, man announcer with Farsi language talk. Closed at 0358 but at 0400 a woman gave ID in English language: "This is Adventist World Radio, the voice of hope. For more information visit us at awar.org. The following program is in Turkish." Good signal. (D'Angelo-PA)
- 9565 **UNITED STATES Radio Marti** in SS. SIO 555. June 29, 2017, 2318 – 2321. Strong and clear signal from Radio Marti, occasional ID within program material. (Henley, WA)
- 9585 **CHINA China Radio Int** Kashi, 06/15, 2000. Serbian. Western pop songs and talk by male and female. 55444. (Roe-UK)
- 9620 **CHINA CNR** in CC. Excellent signal. June 18, 2017, 1504 – 1532. M & F commentators, children's voices, CC MX. F harangue in CC, then F/F conversations and interviews. Children's chant or game, M announcer with MX and bird sounds (Henley, WA)
- 9655 **FRANCE Radio Algerienne** 2148-2150, 7-4-17. Two men in Arabic with preachy cadence. Poor. (Cichorek-NJ)
- 9655 **ALASKA KNLS** religious broadcaster in RR. June 12, 2017, 1518 – 1527. ID and contact information given in RR by M announcer. F announcer with religious MX in EE followed by homily in RR. Heavy QRN, shallow QSB. The signal strength was quite good but the atmospheric made this broadcast just barely listenable. Not the usual KNLS clear signal. (Henley, WA)
- 9655 **ALASKA KNLS** Religious broadcaster in RR. SIO 353. June 26, 2017, 1506 – 1512. M & F commentators with monologues. Some short MX pieces. Heavy QRN, slight, shallow QSB. (Henley, WA)
- 9675 **CHINA China Radio Int'l** in RR. June 22, 2017, 1420 – 1434. Long monologue by F commentator, MX, ads. and more commentary by M & F commentators. Good signal, strong and listenable. Slight QRN and shallow QSB. Pop culture and sports results. (Henley, WA)
- 9710 **VATICAN NEK Radio Japan** SM di Galeria, 06/15, 1930. English. News; Japan Through Haiku (with seasonal words associated with the Swallow and Summer). 45333. (Roe-UK)
- 9735 **TAIWAN Radio Taiwan Int'l** in JJ. June 17, 2017 2210 – 2300. Paochung is listed as transmission origin. M & F commentators in conversational talk format. Several mentions of station ID during the listening period. Very strong, listenable signal, with some light QRN, no QSB. MX at 2253, M vocals with bouncy dance MX (Henley, WA)
- 9740 **SINGAPORE BBC** at 1245 UTC with English programming "Assignment" until abrupt off at 1259:30 UTC. Excellent (Delmage, AB)
- 9760 **ROMANIA Radio Romania Int'l** 2208-2210, 7-4-17. Male in English reporting on the new tax situation in Roman. SIO444. (Cichorek-NJ)
- 9830 **TURKEY Voice of Turkey** 7/9 in EE. 2208 ID and news broadcast. 2210 "Legends of Anatolia". Good signal. (Colton, FL)
- 9830 **TURKEY Voice of Turkey** at 2305 6/14 with news item on Qatar. (Fraser-ME)
- 9900 **MOLDOVA Trans World Radio Africa** Grigoriopol, 0108-0130* Jun 27, Hindi language program with long religious talk followed by station ID and closedown announcements. Another Hindi language program followed with more religious talks and some music. Station ID and closedown announcements followed by IS until carrier cut. Fair. (D'Angelo-PA)
- 9915 **ASCENSION ISLANDS BBC**, 2125-2128, 6-27-17. Woman in English interviewing a Hong Kong millennial about cultural differences in generations in Hong Kong. Fair to good signal. (Cichorek-NJ)
- 9915 **ASCENSION BBC** 2137-2140, 7-4-17. Program in English discussing different types of chicken breeds. Poor to fair signal. (Cichorek-NJ)
- 11580 **UNITED STATES Jazz from the Left** Okeechobee, 07/04, 2020. English. Mellow jazz music. 35333. (Roe-UK)
- 11580 **UNITED STATES R Prague Int** Okeechobee, 07/04, 0230. English. Feature on the Karlovy Vary film festival with a long interview with journalist Veronika Bednářová. 45444. (Roe-UK)
- 11580 **UNITED STATES R Ukraine Int** Okeechobee, 07/04, 0215. English. via USA. News; Feature about an artist (icon painter) called St. Alleppey (? sp). 45444. (Roe-UK)
- 11580 **UNITED STATES RAE Argentina** Okeechobee, 06/15, 2110. German. YL&OM interview of YL with Argentinian tango music between talk. 35433. (Roe-UK)
- 11610 **MADAGASCAR KNLS** 2106-2110, 7-5-17. Man in listed Chinese with slow, preachy cadence. SIO444. (Cichorek-NJ)
- 11710 **NORTH KOREA Voice of Korea** in FF. SIO 222. July 6, 2017, 1501 – 1510. Martial choral MX, F announcer in FF. Heavy QRN, slight QSB and significant QRN. Mostly MX, some in FF with F vocalist. Overall, a quite poor signal. (Henley, WA)


- 11710 **NORTH KOREA Voice of Korea** from D. P. R. in EE. SIO 534. July 7, 2017, 1416 – 1428. Instrumental MX, F Announcer with stirring choral MX to a martial beat. Strong signal. Listed target is NAM. (Henley, WA)
- 11710 **NORTH KOREA Voice of Korea** from Kujang in EE. June 6, 2017, 1537 – 1546. Stirring martial MX, F commentator with harangue monologue. Mention of military deployment exercise, with emphasis on military preparedness and air force training. North American target for this broadcast. Moderate QRN, slight QSB, but very listenable signal. (Henley, WA)
- 11730 **VATICAN Vatican Radio** Santa Marie di Galeria, 0105-0127 Jun 14, man announcer peaking in the Tamil language over flute music. Later a man and woman talking. Closed at 0118 followed by familiar IS and opening of listed Malayalam language program. Fair. (D'Angelo-PA)
- 11735 **ZANZIBAR Zanzibar Broadcasting Corporation** Dole (presumed), 2104-2130* Jun 30, non-stop program of vocals until carrier terminated. Apparently, running late. Poor to fair. (D'Angelo-PA)
- 11760 **CUBA Radio Habana Cuba** in SS. June 19, 2017 2345 – June 20, 2017, 0003. //11840. Strong, clear signal with minor QSB/QRN. Somewhat clearer and sharper on 11840. Jazz MX, mixed M & F vocalists, very pleasant MX program. (Henley, WA)
- 11760 **CUBA Radio Habana Cuba** in SS. SIO 555. June 29, 2017, 2314 – 2318. MX program, very strong and clear. Listed target is the Americas. Latin instrumental MX, not the same program as on 11840. (Henley, WA)
- 11850 **ROMANIA Radio Romania Int'l 7/9/17-- 2025-2040** in EE. Surprised to find this on this frequency while scanning. Not listed in WRTH anywhere. Station ID at 2031. However, poor signal for me, heavy QRN. (Sives-NJ)
- 11860 **CLANDESTINE (Yemen) Republic of Yemen Radio** Jeddah, 0344-0422 Jun 23, nice program of Middle Eastern continuous vocal selections. Fair to good signal. (D'Angelo-PA)
- 11870 **ALASKA KNLS** at 0811 7/15 with the 'Postcard from Alaska' program. Bible stories (Miller-GA)
- 11905 **FRANCE Radio France Int'l** 0600 with the 'Sound Kitchen Program'. (Miller-GA)
- 11950 **ROMANIA Radio Romania Int** Galbeni, 07/09, 1415. Romanian. Program "Departa de Acasa" in Romanian - talk and some Romanian traditional music. I think this program is aimed at Romanian diaspora. 55555. (Roe-UK)
- 11975 **ROMANIA Radio Romania Int** Galbeni, 07/02, 1835. Romanian. Romanian traditional music in their program "Zi-le D-Alead-Ale Noastra", presented by a man and interviewing the artist being featured in the program today. 55555. (Roe-UK)
- 12015 **KOREA, NORTH V of Korea** Kujang, 06/20, 2005. German. Organ orchestral music followed by a song sung by a female choir. 55434. (Roe-UK)
- 13580 **BANGLADESH Bangladesh Betar** Dhaka, 07/01, 1845. English. Western music selection including the Bee Gees, Whitney Houston and a non-seasonal airing of George Michael's "Last Christmas". 55444. (Roe-UK)
- 13670 **CHINA China Radio Int** Kashi, 06/16, 1350. English. "Alight on Literature" reading from a book called "Mao Zedong: Man, Not God". 5555. (Roe-UK)
- 13770 **ROMANIA Radio Romania Int** Tiganesti, 06/16, 1100. English. Roots (about Romanian traditional costume and the importance of maintaining museums dedicated to this); Music Highlights (Classical and Jazz music). 45444. (Roe-UK)
- 13810 **ROMANIA Radio Romania Int'l** 2120-2124, 7-5-17. Opera selections, Ladonna E Mobile rigoletto. Fair to good signal. (Cichorek-NJ)
- 13855 **CHINA China Radio Int** Kashi, 06/16, 1315. Chinese. Talk (mentioning "non-fiction" and "Nobel prize for literature 2012") and varied Chinese music. 55444. (Roe-UK)
- 15140 **OMAN Radio Sultan of Oman** Thumrayt, 2136-2216+ Jun 17, thanks to Paul Walker tip noted with good signal and apparent Ramadan programming as went past usual sign off time. Man with Arabic language talks hosting music program. (D'Angelo-PA)
- 15140 **OMAN Radio Sultinate of Oman** (presumed), 7/9 in AR: 2121 Male talking over music in background. Many mentions of Oman. Abruptly off the air at 2153. Fair signal (Colton, FL).
- 15140 **OMAN Station not reported** at 1803 6.14 in AR. Current events. (Fraser-MA)
- 15245 **CHINA China Radio Int'l** Kashi, 1547-1558* Jun 23, woman announcer with talk in the English language followed by short musical interlude and closedown announcements. Poor signal. (D'Angelo-PA)
- 15255 **ENGLAND Radio Free Europe / Radio Liberty** Woofferton, 1558-1600* Jun 23, tuned in to catch a man announcer in the listed Turkmen language with close for a program segment followed by nice instrumental music and a woman announcer with closing announcements. Fair to good. (D'Angelo-PA)
- 15255 **SOUTH AFRICA Channel Africa** Meyerton, 06/19, 0615. English. Just audible with a news feature read by a female and then a male interviewed by female host. 25332. (Roe-UK)

- 15355 **PHILIPPINES Radio Veritas Asia** 15355, July 20 at 2256, surprised to find a fairly good signal here with jazz music, interspersed with thrice repeated IDs in English for Radio Veritas Asia, Quezon City, which would start Filipino at 2300 on 15355. After that does start, the signal fades, but it had been #3 only to the Cubans on 15370 and 15230 in the original 19m band, besides a few more weak signals upper, 15610 WEWN, 15730 another RHC (Hauser-OK)
- 15520 **SPAIN REE Noblejas, 07/02, 1645.** Spanish. Classical music (including music from Strauss) until 1700, then talk by man. 45433. (Roe-UK)
- 15540 **KUWAIT Radio Kuwait** Sulaibiyah, 1848-2100* Jun 30, male rap tune followed by the daily feature program "This Day in History" in English. More pop music from 1902 until feature program "Stories from the Holy Quran" from 1908. Good signal for the most part although the noise level increased during last thirty minutes of listening. (D'Angelo-PA)
- 15540 **KUWAIT Radio Kuwait** 1915-1921, 7-8-17. Man & woman in English with discussing human relations in Islam. ID at 1900 with frequencies and addresses announced. SIO 444. (Cichorek-NJ)
- 15570 **VATICAN Vatican Radio** SM di Galeria, 07/06, 1735. English. African news; Talk about UNICEF Report on child migrants in west & central Africa. 35333. (Roe-UK)
- 15590 **THAILAND Station not reported** at 0010 6/21 6/211 Long commercial on cheese. (Fraser-ME)
- 15610 **UNITED STATES EWTN** Vandiver, Ala. 1705-1715—a parable comparing the sowing of modern day farmers to that of the prophets. 54455 (Sives, NJ).
- 11725 **NEW ZEALAND Radio New Zealand Int'l 7/5** in EE; Sign on caught at 0259 after being advised to tune to this frequency as 13840 was closing down. Regional Pacific news. Fair signal—not as strong as 13840. (Colton, FL)
- 11790 **UNKNOWN** French 2234-40 dramatization; poor-fair 7/1 (Prodan-ME)
- 11820 **SAUDI ARABIA Saudi Arabia 7/9** in AR. 2115 male chanting. Good signal. (Colton, FL).
- 13840 **NEW ZEALAND Radio New Zealand Int'l 7/5** in EE; 0248 Interview with a gentleman in the film industry. ID @ 0257 "Radio New Zealand is now closing on this frequency"—then advised to tune to 11725. Good signal. (Colton, FL).
- 15540 **KUWAIT Radio Kuwait 7/9** in EE; 2043 Pop/Rap music. 2050 news broadcast. 2100-Time PIPS, ID and National Anthem. Female announcement in AR, then off the air. Poor. (Colton, FL).
- 17855 **SPAIN Radio Exterior de Espana 7/9** in SP. Female interviewing excited male-sounded like a phone interview. //15520 and 17715-but this frequency was the strongest. Good signal (Colton, FL). 

NASWA Flashsheet

Are you getting the latest hot information about what is happening on the short-wave 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 D'Angelo** (rdangelo3@aol.com) 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.

NASWA Facebook Page

Join moderator **Richard Murphy** <richard.murphy@swri.org> at the club's Facebook page which provides members with another way to keep in touch. 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, simply enter "North American Shortwave Association" into the search box on the top toolbar. If you are into social media, give it a try. 

On the Shortwaves

www.ontheshortwaves.com • Devoted to the history of shortwave broadcasting and the shortwave broadcast DXing hobby

< www.ontheshortwaves.com > Update, June 25, 2017 -- RCA was the leading force in non-broadcast shortwave transmission during the medium's development before World War II. Under "DX History/Stations" we have posted a promotional booklet published by RCA circa 1933. Titled "Across the Atlantic and Pacific -- Via RCA," it describes for a general audience the company's contributions in various aspects of commercial shortwave transmission. It starts off with a vignette containing details of how the RCA "Radiogram" system works, and how it permitted near-instant communication around the world. That is followed (p. 10) by a description of the history of radio, then (p. 18) a description of maritime shortwave. Pages 20-34 contain brief descriptions of RCA messaging services in 45 places around the world, and this is followed by information about the RCA "Photogram" (FAX) service. The text concludes with a description of the RCA "Overseas Radio Program" service that relayed broadcast transmissions for rebroadcast in distant places.

< www.ontheshortwaves.com > Update, July 2, 2017 -- Following up on the information we posted last time about RCA's international non-broadcast facilities, under "DX History/Stations" we have added a collection of world map postcards promoting the "Worldwide Wireless" messaging capabilities of RCA Communications, Inc.

< www.ontheshortwaves.com > Update, July 9, 2017 -- Under "DX History//Lists, Logs, Guides & Columns," we have posted a very nice "Radio Log & World War Map," distributed by David Spencer, Ltd., an appliance dealer in Vancouver, B.C., and promoting General Electric Radiotron tubes. With the reminder to "Keep Tuned to the Empire," it contains info on the company's radio repair service, a time zone chart, tips on getting good reception, and a list of American and Canadian broadcast band stations. The best part is the map, which is 19x24" in the original. On the map borders are lists of the world's principal shortwave stations, set out in three ways: by call letters (left hand side), by frequency (right), and by city (bottom). If you zoom in you can read the labels that identify numerous events of the war up to the time the map was published, which appears to be mid-1941. Examples: "DeGaulle welcomed at Douala [Cameroon], Oct. 10 - 40," "Germans scuttle Graf Spee, Dec. 17 - 39," "Nazi Battleship Bismark sunk, May 27 - 41," "The Germans invade Poland, Sep. 1 -39," "British & Free French invade Syria, June 8 - 41," etc.

< www.ontheshortwaves.com > Update, July 16, 2017 -- Under "DX History/Stations" you will find an info sheet and QSL dating from 1938 from what was later known as Radio Denmark. The call letters, OZF, and the station's well-known frequency, 9520 kHz., became familiar to shortwave listeners everywhere, especially after 1948, when the station went from 6 kw. to 50 kw. OZF came into regular use in the mid-1930s. For some radio-related Danish philately, check out < http://www.ontheshortwaves.com/Philately/Denmark_FDCs.pdf > -- And under "Specialized Resources/Wavescan," we have three new entries from Adrian Peterson: (1) "The Radio Scene on Snake Island [Puerto Rico]" (Wavescan N434, June 18, 2017); (2) "The Radio Scene in European Turkey" (Wavescan N435, June 25, 2017); and (3) "World's Largest QSL: A Booklet from South America [YVIBC, Venezuela]" (Wavescan N436, July 2, 2017).

< www.ontheshortwaves.com > Update, July 23, 2017 -- When I was in high school, starting out in DXing, my greatest SWBC thrill was afternoon reception from Africa, especially Angola. On the east coast the Angolans faded in not long before sign off, and signals were decent; they could usually be identified even before they closed down with the playing of "A Portuguesa," the national anthem of Portugal. They were good verifiers too. But at their best they never produced signals like those heard by Colin Miller, who was living in South Africa at about the same time, learning about shortwave and DXing. Colin often recorded his reception, and under "Specialized Resources/The DX Recordings of Colin Miller," we are pleased to present an initial group of those recordings, specifically from Angola and Mozambique. These were made in the 1970s. We hope to offer more in the future. Thanks, Colin. -- Also under "Specialized Resources," we have three new "Wavescan" articles from Dr. Adrian M. Peterson: (1) "BBC Far Eastern Relay Station-Pt. 3: Supplementary Relay Service in Tokyo" (Wavescan N437, July 9, 2017); (2) "California QSL-Cards in Red, White and Blue-2" (Wavescan N438, July 16, 2017); and (3) "Australian Shortwave Callsigns VLM" (Wavescan N438, July 16, 2017).

North American Shortwave Association
45 Wildflower Road
Levittown, Pennsylvania, 19057

ISSN 0160-1989



The Journal of the
North American Shortwave Association

Executive Director: Richard D'Angelo, 2216 Burkey

Dr., Wyomissing, PA 19370

Publisher/Business Manager: Bill Oliver, 45 Wild-

flower Rd., Levittown, PA 19057

Executive Council: Jerry Berg, Ralph Brandi,

Richard Cuff, Rich D'Angelo, John Figliozzi, Bill

Oliwer

EDITORIAL STAFF:

Musings: Jerry Luebeck, P.O. Box 1220, Grantham,

NH 03783-1220

Desktop Publishing/Graphics: Ralph Brandi, 128

Greenoak Blvd, Middletown, NJ 07748

Easy Listening: Richard Cuff, 42 North 37th St,

Allentown, PA 18104

Shortwave Center: John Figliozzi, 45 Algonquin Rd,

Clifton Park, NY 12065

Listening Review: Alan Roe, 33 Albana Rd,

Teddington, TW11 9PA, United Kingdom

Adrian Peterson's Diary: Adrian Peterson, Box

29228, Indianapolis, IN 46229

NASWA Awards: Gary Neal, PO Box 1,

Cockeysville, MD 21030

Listeners Notebook: Rich D'Angelo, 2216 Burkey

Dr., Wyomissing, PA, 19370

Pirate Radio Report: George Zeller, 3492 W. 123rd
St., Cleveland, OH 44111

QSL Report: Sam Barfo, 79 Bakenham Rd,

Thomaston, CT 06787

Scoreboard: Gary Neal, PO Box 1, Cockeysville,

MD 21030

Kim's Column: Dr. Kim Elliott, 5001 North

25th St, Arlington, VA 22207

Tropical Band Loggings: Scott Barbour, Jr, PO

Box 893, Intervale, NH 03845

International Band Loggings: Dave Turnick, 317

Spohn Rd, Sinking Spring, PA 19368

MEMBERSHIP FEES:

United States (First Class Mail) \$31.00

Canada (First Class Mail) \$38.00

Overseas (U.S. Air Mail) \$53.00

All remittances must be in U.S. funds and mailed to:

NASWA

45 Wildflower Road

Levittown, PA 19057

U.S.A.

FIRST CLASS MAIL

First Class Mail
U.S. Postage
PAID
Levittown, PA
Permit No. 319

