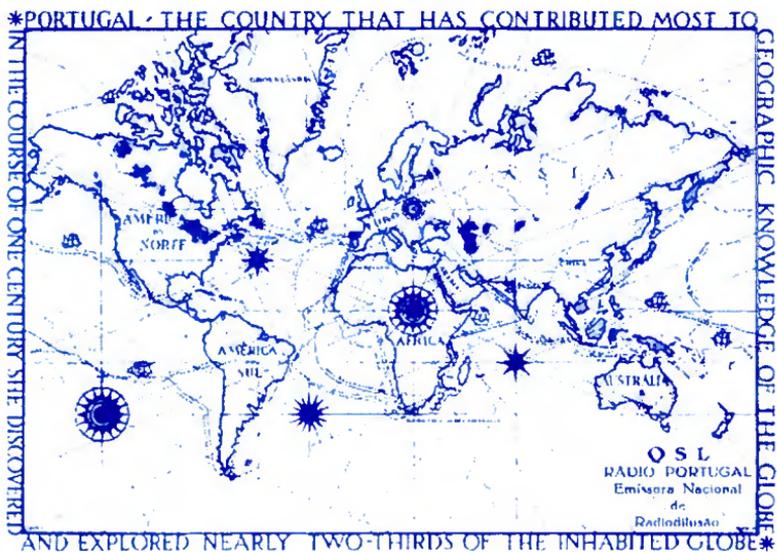
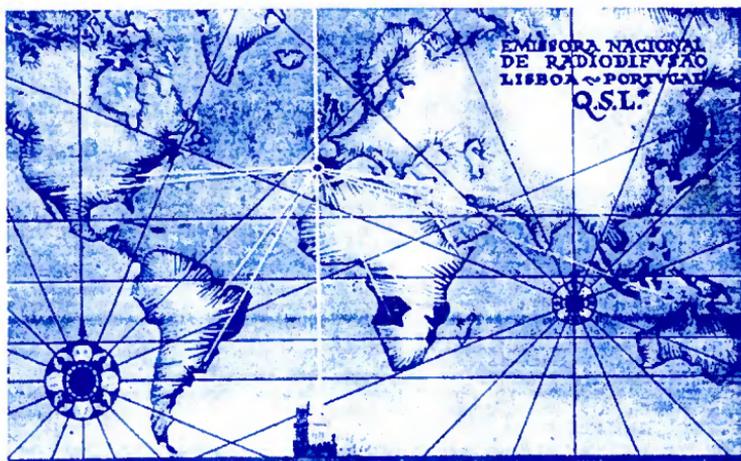


The **NASA** Journal

VOLUME XLXIII NUMBER 10

OCTOBER 2014



Quality Radio Equipment Since 1942

CommRadio CR-1a

With FREE
Universal
radio go-bag!



The CommRadio CR-1a is a true SDR receiver, but does not require a computer. Enjoy the benefits and performance of state-of-the-art SDR, but in a conventional radio package. The CR-1a SDR is independent of a host PC, using embedded digital signal processing technology that provides a degree of portability and performance previously unavailable to the radio enthusiast. Covers: 500 kHz-30 MHz, 64-280 MHz and 437-468 MHz in AM, SSB, CW, WBFM, NBFM modes. It features a 64 x 128 OLED amber display with EMI-filtered lens, I&Q output to PC's and Android platforms. PC app 200 kHz spectrum analyzer. The incredible performance is combined with exceptional portability. Powered via USB or 6-18 VDC input. Enjoy top-of-the-line American technology in a compact, metal case. An amazing 5.84 x 2.43 x 6.10" 1.6 lbs.
CR-1a Order #2002 \$699.95



WORLDWIDE LISTENING GUIDE

By J. Figlozzi. Modeled on the author's popular *Worldwide Shortwave Listening Guide*, this new book covers all of today's formats: live on-demand, podcast, satellite, internet, digital, analog. AM, FM, shortwave and w-H. Learn what can be heard how, where and when! Spiral bound 8th Edition. 180 p. ©2013.
Order #2967 \$24.95



MTXpress COMPLETE ANTHOLOGY 1999-2013

This wonderful compilation includes every issue of *Monitoring Times* from 1999-2013 on one computer DVD. In PDF format and searchable on any word. ©2013 Grove Ext.
Order #6214 \$99.95

✓FREE Radio Go-Bag



IC-R6-16

The compact Icom IC-R6 is big on coverage, tuning 0.1-824, 851-866.995 and 896-1309.995 MHz in AM, FM Narrow and FM wide modes. The triple conversion circuit provides amazing sensitivity for the size. It has 1300 alphanumeric memories storing:



frequency, mode, step size, duplex direction and offset, CTCSS tone, tone squelch and step settings. And it can up to 100 channels per second in 7 different scan modes. Frequency steps include 5, 6.25, 9, 10, 12.5, 15, 20, 25, 30, 50, 100 or 200 kHz. It features a large backlit LCD display. Audio Output is 150 mW 8 ohms 10% Dist. The very efficient circuit design offers extended battery operation. The IC-R6 comes with wrist strap, belt clip, two AA NiMH cells, AC adapter and SMA flexible antenna. 2.3 x 3.4 x 1.2" 7.1 oz.
List \$246.00 Order #1008 \$209.95

✓FREE Radio Go-Bag



IC-R20 Sport

The Icom IC-R20 Sport has wide coverage from 150 kHz to 3305 MHz (less cellular) in FM, WFM, AM, USB, LSB, CW modes. Advanced features include: built-in 4 hour recorder, 1250 alpha memories, dual VFOs, dual watch, band scope display, auto squelch, atten., lock, RF gain, MW ferrite bar, NL, weather alert, ANL and AF filter. The IC-R20 Sport operates from 4 alkaline AA batteries (not supplied) and comes with: belt clip, battery spacer, BNC telescopic antenna and wrist strap. Optional AC chargers and rechargeable batteries are available.
List \$25.00 Order #6020 \$499.95



Radio Go-Bag



This insulated bag is great for creating an Emergency Go Bag for your radio. It is the perfect size for HTs, scanners and small shortwave portables. There is plenty of room for your radio, batteries, accessories, directories and more. The top is zippered and it has a carry strap plus an open pocket on the front panel. 6 x 6 x 5 inches. Not made by Icom. This Go-Bag will be included FREE with your Icom IC-R6, IC-R6 Sport, IC-R20 Sport, ID-31A or ID-51A for a limited time.

IC-R6-16 Sport

The Icom IC-R6 Sport version is the same as the regular version above, but **WITHOUT** the AC charging adapter and without the two AA NiMH batteries.
List \$225.00 Order #2006 \$189.95



AAS300



The Borlto AAS300 RadioJet 3-way active RF splitter is a great addition to your monitoring post. It allows you to simultaneously share one antenna with up to three receivers. Isolation is 70 dB. Insertion loss is only 1.5 dB. The rear panel features one BNC antenna input and three BNC jacks for output to your receivers. This device is powered from a USB power source (5 VDC at 50 mA). The USB power supply is not included, but a well shielded USB cable is included.
AAS300 Order #5134 \$339.95

DC DVM



Here is a low cost way to measure DC volts in the range of 3 to 30 volts. The refresh rate is 500mS. Error is 1%. Size is 24x15x10mm. The digits are 0.36 inches high. Three wires: red power "+", (3-28VDC), white sense "-", black power/sense "-".
DC DVM BLUE Order #0794 4.95
DC DVM RED Order #5155 4.95

Pixel

RF PRO-1B

The Pixel Technologies RF PRO-1B magnetic loop antenna provides exceptional MF/HF performance, even in high noise environments.
RF PRO-1B Order #5142 \$499.98



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

Quality Communications
Equipment Since 1942

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

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.

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

Group, Alaska, Hawaii and Puerto Rico.

The new DX season is now underway. Keep your club strong by remembering to report your listening results to our various editors; *Flashsheet* editor, **Mark Taylor**, and our log report editors, **Scott Barbour** and **Dave Turnick**. Also, please report those interesting QSL verifications to our *QSL Report* editor, **Sam Barto**, as well as any schedule information to me at *Listeners Notebook*. While I am at it, any interesting listening tips and suggestions would be appreciated by **Rich Cuff** and **Alan Roe**. I am sure **John Figliozzi** at *Shortwave Center* could use some interesting features written by our members. Remember, it is your support of the various club columns that keep the club strong. Thanks!

A.J. Janitschek, Director - Program & Operations Support at Radio Free Asia (RFA) recently announced the release of RFA's 18th anniversary QSL card. RFA's first broadcast was in Mandarin back on 29 September 1996 at 2100 UTC. As you know RFA is a private, nonprofit corporation broadcasting news and information to listeners in Asian countries where full, accurate, and timely news reports are unavailable. RFA concentrates coverage on events occurring in and/or affecting Burma, Cambodia, Laos, North Korea, the People's Republic of China, and Vietnam. RFA does not express editorial opinions but provides news, analysis, commentary, and cultural programming in the languages of the country of broadcast. This is RFA's 55th QSL design and will be used to confirm all valid RFA reception reports from September 1-December 31, 2014. RFA encourages listeners to submit reception reports. Reception reports are valuable to RFA as they help them evaluate the signal strength and quality of their transmissions. RFA confirms all accurate reception reports by mailing a QSL card to the listener. RFA welcomes all reception report submissions at <http://techweb.rfa.org> (follow the QSL

REPORTS link) not only from DX'ers, but also from its general listening audience. Reception reports are also accepted by e-mail at qsl@rfa.org and by mail to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036, USA. Thanks AJ! I recently sent a report to obtain the new card. A fast reply was received from RFA and the card makes a nice addition to the collection.

Last month the European DX Council (EDXC) held its annual gathering - EDXC Conference 2014 - in the Southern France on 19-22 September 2014. The first part of the conference (19-21 September) was in the small village of Saint-Dalmas de Tende situated approximately 80 km North-East from Nice. The second part of the conference (21-22 September) was held in the city of Nice. There was a lot of interesting material covered at the conference with presenters from New Zealand (**David Ricquish**) and Australia (**Mark Fahey**) on the agenda. Mark talked about the role of broadcasting in North Korea and the many unique aspects of that country. Those that attended the Winter SWL Festival were treated to a similar presentation earlier this year. WE hope to see Mark again at next year's Winter SWL Festival with more interesting information gathered during his visits to this interesting radio country. Hopefully, more information about the 2014 EDXC Conference will be available in the coming months.

Meanwhile, it is time to begin thinking about clearing your schedule to attend the club's annual Winter SWL Festival in March. Keep watching the pages of *The Journal* for more information as we get closer to the event.

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



Musings

Jerry Lineback • P.O. Box 1220 • Grantham, NH 03753-1220 • jerrylineback@comcast.net

Please e-mail musings to jerrylineback@comcast.net or send to P. O. Box 1220, Grantham, NH 03753. Next deadline is October 22. Thanks to all contributors.

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610 QSL returns continue to slow down so maybe it is time to focus on getting some new reports out into the system. The following represents two months activity. The Voice of Korea verified a postal report with a full data "Some of the Changjon Street built in Pyongyang" card. The package included a copy of The Pyongyang Times, a folder of Korean Stamp Information, and two small mini-booklets about Korean stamps. The Far East Broadcasting Corporation International verified an electronic report with a much delayed electronic response from v/s Owen who resides in New Zealand who mentions "I have been busy with travelling between Indonesia and Cambodia, where we have big renovation projects ongoing with our FM stations." Finally, WRMI - Okeechobee verified an electronic report with a full data Map Card from v/s Jeff White. And that concludes a very quiet month in the verification wars.

China Radio International - Kashi verified an electronic report with a full data "Jing ethnic minority group" card from Yinglian at the English Service who indicated their attempt to use my e-mail address was "rejected". Interesting Chinese cutouts were also in the envelope. KBS World Radio verified an electronic report with a full data "Kimjang: Inscribed on the UNESCO's List of Intangible Cultural Heritage of Humanity in 20-13" card. Radio Taiwan International - Paochung verified a postal report with a full data (including site) MRT, the Symbol of Progress card with a copy of the English program schedule and RTI English Service Frequencies & Broadcast Times. And that concludes a second quiet month in the verification wars.

That's it from Wyomissing!

73, Rich

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.

International Broadcasting

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

A mobile-first future for international broadcasting?

For a prime example of where international broadcasting is headed, see the June 2014 announcement (<http://1.usa.gov/1tXdvju>) about Radio Sawa's new mobile app. "Owners of iPhones, iPads and Android phones and tablets will have instant access to Radio Sawa's streams of breaking news, music, Radio Sawa programs and hourly news updates." The U.S. Broadcasting Board of Governors has made it clear that the strategy for U.S. international broadcasting is "mobile first."

Audience research bears this out, but even casual observation confirms the ubiquity of mobile devices. Most places in the world, as in the United States, people on the streets are looking down at their mobiles, reading or looking at whatever. The formerly ubiquitous radio, many with a medium wave and shortwave band, is now harder to find in shops and in homes.

In most countries, the penetration of mobile devices lag with "dumb" phones (like the one I own), good for voice conversations and perhaps text messages. These can be used for the dissemination of international broadcasting content, but only brief items. Furthermore, news via SMS requires the cooperation of the mobile service provider, hence a gatekeeper, and costs to either the user or the international broadcaster are usually involved.

As mobile phones become smartphones, with Internet access, many new opportunities open up for international broadcasting. The mobile provider typically is no longer the gatekeeper. More text can be transmitted. And pictures. And audio. And even video – bandwidth permitting.

There are limitations to international broadcasting via mobile. The aforementioned limited bandwidth can make video and

audio impossible, or at least a struggle, to receiver. The small screen does not lend itself to detailed video content. Even the text and images of a web page need to be optimized for mobile displays.

Radio to Internet: audio to text

For international broadcasters that planned simply to shift their radio operations from shortwave to the Internet, their web analytics will inform them that Internet users tend to *read* news and information rather than *listen* to it, given the choice.

Audience research shows large proportions of mobile users using their devices to listen to radio. At first look, this might be interpreted as radio via Internet. Actually, in most cases, the user is taking advantage of the FM radio that is nowadays built into many mobile phones. I've heard (though I can't confirm) that Nokia is the number one radio manufacturer in the world, by dint of the FM bands incorporated into their mobile devices.

The VOA Radiogram project hopes for the development of a simple decoding app that will work in mobile devices. Audio from a shortwave radio (even a simple one) can be fed to an input of a mobile, where the tones transmitted by shortwave are turned into text and images on the device display.

The mobile device plus shortwave radio is a small enough combination. If a chip capable of receiving shortwave (see <http://bit.ly/1yp77FU>) can be installed in a mobile device, even more portability will be achieved. Such a mobile would be handy to take to places where Internet access is unavailable due to remote location, local disaster, or net censorship.

Views expressed are my own. More at www.kimandrewelliott.com, posts to which can be followed" at twitter.com/kaedotcom. See also voaradiogram.net.



Shortwave Center

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

VINTAGE RECEIVERS

Retro Review: Eddystone S870A

By Craig Seager

(Australian DX News)

In *From Pins to Pin Diodes*, Ken Williams relates how Stratton and Co. was born out of the flag and badge division of Jarrat and Rainsford, a Birmingham pin manufacturer, which was purchased for the princely sum of £50 by George A Laughton, who had joined the firm as a 15 year old office boy. Changes in fashion (bobbed hair!) saw the bottom fall out of the hairpin market, and a move towards manufacture of wireless components caught the wave of radio's initial growth and the commencement of regular broadcasts by the BBC.

Under the "Eddystone" brand, domestic radios were manufactured and purveyed by Stratton, followed by shortwave sets with plug-in coils by 1927. The war years saw the company thrive, supplying receivers and transmitters for military and police use, with a succession of models following post-war that satisfied both professional and amateur applications. Models such as the valve 640, 680 and 770 continue to be the darlings of radio swap meets, and some of the later solid state professional offerings are even more sought after. For the everyman, the EC10 and its variants were released from 1964 to 1978, and whilst ubiquitous, had plenty of shortcomings, common to many of the first transistorised communications receivers.

But it is the little-known S870A that we now turn our attention to, and whilst it is a stripped back and compact set, the robustness of construction and quality componentry is typical of the marque, together with the unmistakable Eddystone tuning mechanism and linear dial.

The S870A dates from around 1960 and is a general coverage receiver, tuning longwave through 24 MHz in 5 bands. Its primary application was as a ships cabin radio, and many found themselves plying the waves on cruise liners, which in the 1960s had matured to the point where the ship and the time spent on it actually became the holiday, rather than just a means of traversing distant routes. Amenities and entertainment options were many, and it was a logical step for operators to make available suitable means for both passengers and crew to hear the news from home (or from whatever exotic port the ship may be passing). Who knows, I might even be tempted to take a cruise, if the cabin were to be fully decked out with exotic Eddystones; as it is, the "floating RSL" concept has little appeal for the writer, and faced with the entertainment choice on board of dress-ups, bingo or karaoke, I think I'll remain firmly opted out!

Apart from band change, volume and tuning, there is nothing else that is user-adjustable on the S870A, though there is provision for an external antenna and earth connection at the rear.

This is a single conversion superhet design with I.F. at 465 kHz, and 5 miniature valves: 35W4 rectifier, 19AQ5 output stage, 12AT6 doubling as detector and AF stage, 12BA6 I.F. amplifier and 12BE6 frequency converter. There is no RF stage, and breakthrough is ameliorated by an I.F. rejector circuit across the input (associated with coil L11).

Upon removing the metal cover, one is struck by the lack of a large power transformer and the presence of a massive ballast resistor. It emerges that the S870A was built as an AC/DC set, which is in part a product

of cost cutting and compactness, but also to make it suitable for shipboard use, where 110V DC was often the only available supply. 110, 210 and 240V are selectable from a plug-in module at the rear of the set.

Silky smooth tuning (a continuing theme with Eddystone sets) is facilitated by all metal gear drive mechanisms, and other components were chosen for trying conditions. For example, there are a number of TCC "Metalpack" .05 F capacitors in critical stages (pictured), which were top of the line for the time (tropicalized and oil-filled). Of course, technology has moved on, and the TCC and some Hunts Mouldseal caps were the first to go when I started the restoration process on an example that found its way to the man cave.

Extreme caution must be exercised when working on an AC/DC radio, as high voltages are only prevented from coming into contact with the case by what are in some instances, only tenuous insulators.

RADIO HISTORY

ADRIAN PETERSON'S DIARY

Travel the World with the Great White Fleet

It was on Monday, December 16, 1907, that the Great White Fleet steamed out of Hampton Roads, Virginia at the beginning of a good will tour that took them to twenty ports on six continents, a voyage that lasted fourteen months and traversed 46,000 miles across the world's largest oceans. It was a warm cloudy morning, and President Theodore Roosevelt was on the deck of the presidential yacht "Mayflower" and he saluted the more than thirty navy vessels and 14,000 navy and marine personnel that set out on the most ambitious venture thus far in the entire history of the United States of America, an event that demonstrated the mighty power of his nation that was emerging widely into the international political arena.

It has to be said that these lower end Eddystone sets are not exactly outstanding performers, and over the years many will have gone out of alignment. A series of precision wound coils and trimmer capacitors are employed in the I.F and oscillator stages, and it is suggested that these not be messed with unless alignment is definitely established as the issue. Only then, the task should be undertaken using proper test equipment and some extreme care with fragile cores.

Eddystone itself was eventually swallowed up by the Marconi Company, and the emphasis moved away from consumer sets towards professional equipment. Later on, the company was broken up further, and a division known as Eddystone Broadcasting supplied the first DAB transmitter to the BBC in 1997. Lots of interesting Eddystone history can be found through your favourite search engine!

A total of sixteen magnificent battle ships, all newly painted in gleaming white with golden ornamentation upon the bow, steamed in a neat row at four hundred yard intervals, flanked by four destroyers. Billowing black smoke announced that these ships were now set out on a course for diplomatic endeavors on an international scale that the world had never witnessed before. This majestic flotilla of naval power was under the direction of Admiral Robley Evans, and this was the final grand event in his notable career before retirement.

The first port of call was at Port of Spain on the British island of Trinidad, at the edge of the Caribbean. The crew spent six days in coaling all of their vessels, and in visit-

ing throughout the island which was not yet an international tourist destination in those days. They also celebrated a special Christmas at the island. On the occasion of the departure of the Great White Fleet, Governor Jackson held a fitting ceremony in which he complimented the navy personnel on their good behavior on his island.

The Great White Fleet crossed the equator on January 6 of the next year, 1908, and then steamed down the coastline of Brazil in South America. Here the American ships were welcomed by several naval vessels from Brazil.

After coaling at Rio de Janeiro, and a multitude of festivities ashore, the American flotilla left on January 21 for the stormy Straits of Magellan at the bottom of the continent. Here they were met by a navy vessel from Chile which guided them safely through the turbulent and dangerous waters.

Along the Pacific coast of the South American continent, the ships were welcomed at several ports, and they arrived back in their home waters at San Diego in California on April 14. There were several ports of call in California and Washington, and then they left for Pearl Harbor in Hawaii, arriving on July 16.

Across the Pacific, they visited Auckland in New Zealand, and the Australian cities of Sydney and Melbourne, as well as Albany on the southern coast of Western Australia. At their arrival in Sydney, a quarter million people came out to welcome the Great White Fleet.

Next was Manila in the Philippines, and then Tokyo in Japan, where they were granted a most gracious welcome, which was described as an event that was overflowing with Japanese hospitality. Three Japanese destroyers welcomed and escorted the American ships; the newspaper *Boyaki Shimpō* printed a special edition to honor the arrival of the Great White Fleet; and 50,000 people celebrated with a torchlight parade.

As they were passing Formosa on the way to Tokyo, they encountered a massive storm. One sailor was washed overboard by a huge wave, and another huge wave washed him up onto the deck of another nearby ship.

The onward voyage of the Great White Fleet took them to Colombo Ceylon; they celebrated their second Christmas in the Indian Ocean; and they traversed the Suez Canal, taking on coal again at Port Said. Several ships from the Great White Fleet went on to Messina on the Italian island of Sicily to provide relief supplies for survivors of the recent earthquake. The entire fleet re-assembled at Gibraltar on February 6, 1909 and steamed out into the Atlantic for the final leg on their journey back home.

A couple of weeks later, on February 22 to be exact, also a Monday, President Theodore Roosevelt was again on the deck of the "Mayflower," this time to welcome home the men and the ships of his triumphant Great White Fleet, though on this occasion the weather was dull, windy and rainy.

We go back to the summer of the year 1907, a few months before the Great White Fleet set out on its epic journey, and two sets of Forest wireless equipment were installed on the American navy vessels, "Connecticut" and "Virginia". In September, test transmissions were carried out between the two ships and with station CC on Cape Cod. Although these test transmissions were conducted in haste and they were considered to be incomplete, yet they were described as being fairly successful.

The navy ordered 26 sets of the Forest wireless equipment, transmitters & receivers, and these were manufactured in haste. At best, Forest equipment had a reputation for poor quality, and there were no instruction manuals. Dr. Lee de Forest himself supervised the installation of his equipment into some of the ships of the Great White Fleet. The remaining sets of wireless equipment were sent to Rio de Janeiro prior to the arrival of the fleet for installation there by American navy wireless electricians.

On departure day from Hampton Roads, Forest presented a live program broadcast from the deck of the ship "Dolphin" which was anchored at the Brooklyn Navy Yard in New York. The program consisted of messages of good will and musical items. Swedish born 34 year old opera singer, Eugenia Farrar, sang several songs, including the popular parlor song, "I Love You Truly," and this is considered to be the first live broadcast of a musical presentation.

The wireless equipment on the USS "Ohio" under the call sign DC was considered to be the network control station for the Great White Fleet. On January 12, 1908, the ship's brass band made a broadcast for the benefit of the combined navies of Brazil and the United States.

Many subsequent broadcasts were made from station DC, for the benefit of passing ships, and for amateurs living in each of the various ports of call. The Forest equipment was a spark wireless transmitter modulated with a telephone mouth piece. All transmitters were tuned to approximately the same wavelength.

Some of the other ships that were equipped with the Forest wireless sets also made program broadcasts while en route with the

Great White Fleet. However, none of the 26 sets, most of which were operable, were taken into usage for naval communication.

While anchored in San Francisco, the wireless personnel on board the "Ohio" procured several music recordings and a phonograph player and these were used in subsequent wireless broadcasts. The broadcasts in San Francisco were picked up by station PH at Russian Hill and the information was printed in a local newspaper report.

Good will broadcasts consisting of music, interviews, speeches and reports were made at each of the subsequent ports of call from transmitter DC on board the "Ohio". In most of these locations, these radio broadcasts were the very first radio broadcasts in the history of those localities.

At the end of the more than a year long itinerary of the Great White Fleet, and with many successful program broadcasts transmitted at so many different locations, all of the wireless equipment was removed from each ship, and placed into storage, permanent storage, and never used again.

[Editor's Note: Special thanks to Jerry Berg for providing these "Diary" articles.]

Shortwave Broadcast News

1. BBC World Service chief to step down

Peter Horrocks to leave position as executive of global news operations in the new year to 'find a new challenge'

By John Plunkett

theguardian.com, Monday 1 September 2014

Peter Horrocks is to leave his position at the BBC as head of global news operations. Photograph: Linda Nylind for the Guardian

Peter Horrocks, the BBC executive in charge of its global news operations including the World Service, is to leave the corporation in the new year to "find a new challenge".

Horrocks, the former head of BBC TV News who oversaw Panorama's Jimmy Savile investigation, missed out on the director of news and current affairs job to former Times editor James Harding last year.

Horrocks has had to make big cuts to the World Service after its budget was slashed by the government, with the BBC taking on funding for the global broadcaster this year as a result of the 2010 licence fee settlement.

A BBC lifer, Horrocks set up the BBC's multimedia operation and was made director of the World Service in 2009. He became director of BBC global news, since renamed the World Service Group, in 2010.

He also oversaw moves to make the World Service the BBC's first licence fee funded operation to take advertising and sponsorship, a change that proved contentious and prompted accusations of a "facile" rush to commercialism.

But Horrocks, in a MediaGuardian interview earlier this year, defended the changes. "We're not doing stories because advertisers tell us to," he said. "We're simply doing journalism the BBC believes in and also selling advertising to help support a stronger editorial operation. What could be wrong with that?"

2. Respected Executive to Lead U.S. International Media

September 22, 2014

<http://www.bbg.gov/blog/2014/09/23/bbg-names-andy-lack-ceo/>

WASHINGTON - The Broadcasting Board of Governors announced today that it intends to hire respected journalist and media executive Andrew Lack as Chief Executive Officer of the federal agency that oversees the five networks and broadcasting operations of U.S. international media. Those networks include Voice of America, Radio Free Europe/Radio Liberty, Radio and TV Marti, Radio Free Asia, and the Middle East Broadcasting Networks.

"Andy Lack has an unmatched record as a journalist and media executive, and he has successfully steered large organizations through changes in competitive media environments," BBG Chair Jeff Shell said. "We are incredibly excited that Andy has decided to serve his country and lead the BBG as it fulfills its critical mission in this ever-changing and more complicated world."

Once his appointment is finalized, Lack will serve as the first-ever CEO of U.S. international media. Creating the position of a CEO has been a key objective of the agency's governing board and the Administration.

Lack's selection follows an extensive search process launched in October 2013, when the Board formed a special committee on

Horrocks tweeted: "I'm leaving the BBC in 2015. @bbcworldservice has highest audience. BBC digital news level with CNN. Good time to go & find new challenge." The BBC recently announced that its global audience had grown to 73.4 million unique browsers, 200,000 fewer than CNN.

Unlike his predecessor in the World Service role, Horrocks no longer had a place on the BBC's management board, a change that was criticised by MPs as a "steady erosion" of the global broadcaster's influence.

the creation of a CEO. Earlier this year, the agency engaged an executive search firm to identify candidates.

"Andy is a great leader, a great communicator, and a great journalist," said Richard Stengel, Under Secretary of State for Public Diplomacy and Public Affairs, who serves as the delegate to the Board for Secretary of State John Kerry. "He is the perfect person - and I really mean the perfect person - to be this organization's first CEO in the 21st century. We are lucky to have him, and we at State look forward to working with him."

Chairman of the Bloomberg Media Group for the past year, Lack joined Bloomberg in October 2008 as CEO of its Global Media Group. In this position, he was responsible for expanding television, radio, magazine, conference and digital businesses. Under his leadership, Bloomberg LP has enhanced the quality of its media properties, expanded internationally, and built out services to bring information to more people, in more places, on more platforms than ever before.

Prior to joining Bloomberg, Lack was Chairman and CEO of Sony Music Entertainment, where he led the company's roster of prominent international artists and vast catalog of recorded music from around the world. Before joining Sony Music Entertainment, he was president and chief operating officer of NBC, where he oversaw entertainment, news (including MSNBC and CNBC), NBC

stations, sales and broadcast and network operations. He was responsible for expanding the Today show to three hours and creating the show's street-side studio in New York's Rockefeller Center.

From 1993 to 2001, Lack was president of NBC News, which he transformed into America's most-watched news organization through NBC Nightly News, Meet the Press, Today and Dateline NBC.

Before going to NBC, Lack spent much of his television career at CBS News. After joining in 1976, within a year, he became a prominent producer for 60 Minutes and

SHORTWAVE EQUIPMENT NEWS

DRM Launches India Receiver

09/19/2014

AMSTERDAM — At IBC2014 the Digital Radio Mondiale Consortium unveiled the first DRM AM receiver designed to comply with the relevant Indian specifications and to be fit for global use.

The Avion AV-DR-1401 from Communications Systems Inc. allows DRM reception in the shortwave and medium-wave bands, as well as analog AM and FM reception.

"Interest in India toward DRM keeps growing. Even though we have some issues, such as a few industry stakeholders still trying to turn the attention to FM networks instead of concentrating on DRM, our government's commitment is strong and clear," said Ankit Agrawal, director of Communications Systems Inc.

According to public service broadcaster All India Radio's website, they are targeting 2017 as the complete switchover to digital mode date.

"About one year ago AIR issued a tender for the supply of DRM receivers," explained Agrawal. "They definitely raised the bar as to technical specifications by grouping together the most appealing features

subsequently, senior executive producer of CBS Reports. Lack's broadcasts at CBS earned numerous honors, including 16 Emmy Awards and 4 Alfred I. DuPont-Columbia University Journalism Awards.

Lack received a bachelor's degree from the College of Fine Arts at Boston University, where he is currently a trustee.

He lives in Bronxville, NY with his wife, Betsy, and their two sons.

(BBG PR Sept 22 via Hansjoerg Biener and Glenn Hauser, DXLD)

from the various receivers available on the market at that time. I took those specifications and considered them a challenge and I asked my engineers to design a receiver capable of meeting or possibly exceeding AIR's requirements."

AIR's specifications include a four-line text display, ER-AAC+, CELP and HVXC codecs, stereo speakers, a minimum of 40 programmable station presets, USB or SD slot with read/write capability, instant recording and playback capability from external storage, upgradable firmware and at least six hours of battery life.

Agrawal showcased the official prototype of the new receiver at the IBC Show and attendees were able to hear its audio quality during a live transmission from an Ampegon transmitter. "We are ready to launch a first production batch of about 1,000 receivers," he said. "They should be delivered within the end of this year. Then we will be ready to launch a second batch, definitely much larger."

The Avion AV-DR-1401 will be positioned as an high-end product; it features multimedia applications and local interactive text and media (Journaline) as well as automatic tuning by station (not frequency). Agrawal

expects a battery life of about 10 hours, pointing out that since the receiver is also capable of delivering emergency warning messages, a long-lasting battery is necessary.

Ruxandra Obreja, Chairman of the DRM consortium, presented Ankit Agrawal the DRM Gold Certificate in recognition of designing and launching the first India DRM Receiver.

"We are very pleased with the exciting announcement on this new Indian receiver. With sufficient orders and support it could do very well and start the receiver ball rolling demonstrating that global, green and extremely cost-effective DRM is not just the future of digital radio but a reality for listeners now."

—Davide Moro, Radio World magazine

[Editor's Note: Over the next several issues, SWC readers will be offered excerpts from Broadcasting Board of Governors' August 2014 white paper, "To Be Where the Audience Is: Report of the Special Committee on the Future of Shortwave Broadcasting." The research, observations and conclusions within it are not without controversy, but it also offers insight into the reasoning behind emerging BBG—as well as other broadcasters'—policies. Inasmuch as the paper has important ramifications for our hobby, it was thought that NASWA members should be offered an opportunity to familiarize themselves with the salient points within it.]

SHORTWAVE RESEARCH

To Be Where the Audience Is: Report of the Special Committee on the Future of Shortwave Broadcasting (Part 1)

Executive Summary

The Broadcasting Board of Governors oversees U.S. government-funded civilian international media. Under various statutory authorities, including the Smith-Mundt Act and the International Broadcasting Act, the BBG is required to be a responsible steward of tax resources, "to effectively reach a significant audience," and to support the requirements of U.S. foreign policy. The Board is also authorized to "ensure that all broadcasting elements receive the highest quality and cost-effective delivery services." Given these statutory mandates, the Board must ensure that the work of this agency is efficient and effective.

In October 2013, the Board established the Special Committee on the Future of Shortwave Broadcasting to undertake a comprehensive review of the efficacy of shortwave radio as a distribution platform for U.S. international media. Taking an audience-

first approach, the Committee found that shortwave use is heavily concentrated in a limited number of countries; that other means of delivery are used and preferred by many of the BBG's target demographics across most markets; that audiences tend to migrate to other media as they become available; that audiences do not return to shortwave in a crisis; and, use of the medium trends downward as audiences eagerly adopt other platforms as they become available.

The BBG, with our limited resources, must choose from a wide variety of media used by our current and future audiences to fulfill our mission to the maximum extent possible. Radio now comes in many formats beyond shortwave: medium wave (AM), FM, satellite and cable delivery, and Internet streams. These modes often overcome many of the traditional shortcomings of shortwave, such as fading, variability in sound quality, and difficulty of tuning. We

must also embrace television, as many of our audiences now turn to TV first for news and information and, of course, entertainment. The explosion of social media provides us with exciting new opportunities to complement information delivery with rich interaction and greater audience interaction, including content contribution by the audience. For many around the world, the next electronic media they acquire will be a cell phone or similar mobile device. The BBG must choose to have a commanding presence the media where our audiences are today and in the future.

The BBG is committed to maintaining its shortwave broadcasting to regions where a critical need for the platform continues while also being diligent to ensure the BBG networks are reaching audiences on the appropriate media. The BBG gratefully acknowledges the strong historical foundation created by shortwave radio broadcasting as we invest in the necessary capabilities for the evolving media environment. The result of this inquiry, arguably the most in-depth and comprehensive to-date, is that the Committee recommends substantial "right-sizing" of the BBG's shortwave broadcasting to be more focused and effective.

Introduction

The Broadcasting Board of Governors (BBG) oversees all U.S.-government funded civilian international media, which includes the Voice of America (VOA), Office of Cuba Broadcasting (OCB), Radio Free Europe/Radio Liberty (RFE/RL), Radio Free Asia (RFA), and Middle East Broadcasting Networks (MBN). Our mission is to deliver accurate and timely news and information where access is limited by censorship or a lack of free media; create access to news and information and support for freedom of expression for people threatened by censorship and intimidation; counter propaganda and extremist rhetoric that threatens peace, stability, and freedom with credible news and information that empowers audiences to positively contribute and participate in a civil society; and to be a leading channel

for information about the United States, our people, society, government, and policies. We empower people with knowledge, enabling them to know more about their situation, hold their government accountable, know the facts about their adversaries, understand and develop the rule of law, support human security, develop commerce, and more. We tell the American story to develop an understanding of U.S. policies and provide reflective moments for audiences to compare our present and our past with their situations. Collectively, these activities are in support of U.S. national security and foreign policy goals.

Media environments around the world are undergoing significant disruptions with the introduction of new consumer technologies, the evolving needs and demands of changing demographics, political instability and aggressive behavior, and increased censorship and propaganda. Markets, even in the most remote parts of the planet, are experiencing technology revolutions. Media channel disruption, while fueled by technological advances, is deeply linked to fundamental changes in the demographics of the audience. Younger demographics, are adopting mobile, social, and other digital means of delivery in addition to using television and FM radio. More broadly, where shortwave once dominated, audiences moved to satellite, cable, and terrestrial television, FM and AM, or other digital platforms as they became available.

The BBG continues to evolve our distribution strategy to serve our core mission and to be effective in today's dynamic media environment. Each week, BBG's networks engage over 200 million people across a wide variety of technologies: satellite radio and TV, terrestrial radio (FM, medium wave (AM), shortwave) and TV, mobile platforms and social media. We reach audiences through our own transmissions and Internet sites and through a rapidly growing and extensive affiliate network. Unlike other media organizations, the BBG is not driven by commercial goals; rather, we select the best means of delivery or tools to reach and empower our target audiences.

The BBG has several statutory requirements to be a responsible steward of tax resources, “to effectively reach a significant audience”³ and to support the requirements of U.S. foreign policy. The Board is also authorized to “ensure that all broadcasting elements receive the highest quality and cost-effective delivery services.”⁴ To these ends, the Board directs the agency to conduct regular reviews of the efficacy, efficiency, and performance of our distribution channels and how these fit within the overall agency strategy, specific network strategies, and evolving target markets and audience assessments.

SECTION ONE: BACKGROUND & COMMITTEE ESTABLISHMENT

Background

Shortwave was a transformational technology that reached into areas denied access to news and information by the tyranny of distance, censors, and propaganda. It permitted the sending of sounds across vast distances, to be received and relayed by transmitters and listeners alike. Knowledge was (and remains) power, which is why the adversaries of freedom rely on propaganda and shutting down free media. The U.S. has long used shortwave and other technologies to counter propaganda and ignorance by providing the true news about our policies, events both in the U.S. and abroad, and the truths about our adversaries. Shortwave radio has long been the foundation of international broadcasting. In 1923, commercial stations in the U.S., followed by the U.S. government, began using this magical medium to economically transport countless news, information, and entertainment programs across thousands of miles to audiences around the world. Throughout past decades, the U.S. Government has used this versatile tool to widely disseminate policies, speeches, events (such as inaugurations), news, and programs related to culture, technology, and education. Shortwave spans huge distances and is easily relayed, readily flowing from one country to another irrespective of national boundaries. A single broadcast can blanket an

entire country or broad regions. Shortwave radios, and kits to make the radios, were relatively inexpensive and widely available. Users could tune in to hear the news and languages of faraway lands. Newspapers printed broadcast schedules and dedicated columns to programs discovered on the air. Some towns even instituted “silent nights” where local radio stations went off the air to reduce interference and improve reception of long distance shortwave signals.

The BBG’s broadcasters have used shortwave radio transmissions over many years to fulfill their missions. VOA has used shortwave to deliver news and information to countries or regions where press freedom is lacking or absent in the wake of a natural disaster or coup. Shortwave delivered to audiences Willis Conover’s jazz programs and Leo Sarkisian’s “Music Time in Africa.” Broadcasting by Radio Free Europe and Radio Liberty has been a powerful torch of hope and freedom to inform, enlighten, and inspire audiences throughout Eastern Europe, Russia, and the former Soviet Union. Reports from political prisoners and dissidents in China attest to the potent effect of Radio Free Asia’s programming, while generations of listeners in Cuba have tuned in to Radio Marti throughout the years. Displaced populations in Sudan hear Radio Sawa on shortwave.

The media landscape around the world continues to change radically and with increasing speed. Shortwave was revolutionary for nearly all of the twentieth century and, in the eyes of governments that strived to eliminate freedom of expression and information, it was also disruptive. Shortwave was the common means of delivery to directly reach people around the globe. Over the past several decades, other communication technologies have become more popular, more available, richer in content options, asynchronous to allow delayed consumption, and easier to share, enhance, or reply.

Shortwave continues to have a role in delivering news and information and overcoming censorship to select audiences, but it is a diminishing role in terms of impact and increasing opportunity costs. Shortwave

deserves credit for helping win the Cold War, but when considering factors ranging from current audience use of media to budgets, today is not like yesterday.

The Shortwave Committee's Process

The BBG Board established the Special Committee on the Future of Shortwave Broadcasting (the "Committee") to undertake a comprehensive review of the efficacy of shortwave radio as a distribution platform for USIM.

The Committee began with an audience-first approach, including a thoughtful analysis of user experiences and user choices. It then considered opportunities and limits of the medium and contemplated the associated direct and opportunity costs of utilizing the medium. This section details the process by which the Committee conducted its exhaustive review of the current role of shortwave and how the Committee evaluated the information that led to the Committee's formal recommendations.

This process began with a necessary "step back" to understand the audience's experience with the medium. The next step was questioning and then validating whether the BBG's target audiences use shortwave. While the Committee proceeded with this data collection and analysis, the Committee also sought input from stakeholders and the global public. The Committee then considered the costs of maintaining and broadcasting on shortwave from the BBG's ten stations around the world. *[BBG operates the following shortwave stations: Greenville, Sao Tome & Principe, Botswana, Biblis, Lampertheim, Kuwait, SriLanka, Tinang (Philippines), Udorn (Thailand), Saipan and Tinian (Marianas).]*

The first Committee meeting, held in November 2013, included presentations on the listening experience of the shortwave

user in our target markets and the use of shortwave radio by the BBG's networks as part of their respective engagement strategies; a description of the networks' success in reaching their target audiences through shortwave; and an overview of the cost of operating shortwave BBG's transmitting facilities.

The Committee's second meeting, in January 2014, was devoted to analyzing the BBG's research on shortwave radio, with an emphasis on the characteristics of the shortwave audience, where shortwave is being used, and its impact. A panel of external experts offered their views on our research and our markets to provide additional perspectives and to identify potential limitations of the BBG's existing research.

A third planned meeting intended to hear comments from three to four stakeholders was cancelled in favor of a broader and more inclusive public Request for Comment. In March 2014, the Committee published a formal request for comments from stakeholders, experts, and general members of the public to provide facts or opinions on the role of shortwave radio broadcasting. The Committee heard from BBG supporters, former employees, industry experts, academics, shortwave listeners, and other stakeholders.

The Committee requested and received substantial input from the State Department's overseas posts. The posts were provided the BBG's goals and methods of engagement on a country-by-country basis to collect insights from the posts on the importance and impact of shortwave as a means of reaching target audiences in their respective countries. The responses were very helpful and were cross-referenced with the BBG's own research and provided to the Committee.

[A further installment will be a part next month's SWC.]



Listener's Notebook

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

Times are UTC and frequencies in kHz.

ALBANIA Powerful signal of *CRI* via non-directional antenna in Cerrik

0900-0957 on 7285 Romanian
0900-0957 on 9440 Romanian
1100-1157 on 7220 Bulgarian
1200-1257 on 7345 Serbian
1500-1557 on 7345 Turkish
1500-1557 on 9565 Turkish
(DX Re Mix News, Bulgaria)

ANTARCTICA 15476.00, 2025-2045, 21.8, *R Nacional Arcángel San Gabriel*, Base Esperanza. Reactivated Mostly Spanish talk, music, and best in USB because of weak CW QRM in LSB. 14221. (Anker Petersen-Denmark/PlayDX) 15475.972, Aug 26, 2115, close-down at 21.35:45. Nothing heard in central Europe / Italy / Queensland / Sydney units so far tonight on this channel. But as usual LRA36 Arcangel Antarctica at excellent remote SDR unit at Sven's location Midsund on central Norwegian coastline: IRA36 heard above [!] threshold from 21.15 to 21.35:45 close-down, cut off midst on music song. On Aug 26: S=5 or -98dBm signal strength. Piano music and chorus mx at 21.22 UT. Station identification annmt spoken ahead of stn jingle? (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 26) 15475.98, LRA36 hrd 9/1 from Perseus heard between 2130 to 2132. Site in N. Sweden with almost armchair lvl reception w/ dance/pop mx from 1846 tune and woman ancr in SS 1855 to past 1905 (sounded like conversation w/ another woman). On 1910 retune back into dance mx with woman ancr. Retuned again at 1949 w/ more pop/dance mx. During ancr segments the woman would be talking with another woman or man in the studio and occasionally there would be music in the background. Clear ID by woman at 2002 as "R. Nacional Arcangel San Gabriel" fol by news bulletin by woman to 2006. This site was noticeably better than the Norway or C. Germany site (the latter using the LA-beamed beverage). SINPO 3+5444. Improved to S4 after 1930. Still going at S4 lvl past 2020. This site was dialed into Antarctica as this was the best I have ever hrd LRA36! (Bruce Churchill-CA/DXplorer) 15476, LRA

36, Radio Nacional, Arcangel San Gabriel, Base Esperanza, 1934-2010, 12-09, Spanish, comments, female with Argentine accent, Latin American songs. 14321. (Méndez-Spain/PlayDX) 15475.97, LRA36, R Nacional Arcángel San Gabriel, Base Esperanza, 1930-2013, Sep 02, 05 and 12, a lot of guitar music played and singer bands performance, 14321. (Bueschel-Germany and Méndez-Spain/DX Window) Weak in Denmark at 1930, Sep 09, music. (Petersen-Denmark/DX Window) LRA36, in May I received nice and very personal QSL mail from Ignacio Roman Labrousse using lra36@hotmail.com. (Per Eriksson-SWE, A-DX Sept 13/TopNews)

ARGENTINA *RAE, Radiodifusión Argentina al Exterior*:

Monday to Friday:
0900-1000 6060, 15345
1300-1500 6060, 15345
2200-2400 6060, 11710, 15345

Weekends
2000-0230 6060, 15345 6
1800-0300 6060, 15345 7

QTH: Radio Nacional, Maipú 555, (C1006ACE) CA, Buenos Aires, Argentina. E-mail: buenosaires@radionacional.gov.ar. Web: www.radionacional.gov.ar. (Conexion Digital/ARDXC)

15345.4, *R Nacional*, General Pacheco, 1940-2110, Sep 06, 12 and 14, Spanish program "Derecho Viejo", "Radio Nacional, La Radio Publica, cinco de la tarde con cincuenta y dos minutos", "Por un poder judicial para todos, Derecho Viejo", 34433. (Giroletti-Italy and Méndez-Spain/DX Window)

ARMENIA 4810, *Armenian National Radio*-Yerevan, 13/09/2014, 1920. Com Locutor, Ara, 44444. (Antonio Madrid-Spain/PlayDX)

AUSTRALIA 2368.467, *Radio Symban / R. La Manamea Samo*, Peats Ridge NSW, noted with annoying SMALL BAND AUDIO like a WW I telephone line quality, hi. At 1030 by male announcer, followed by short 2 minutes news read by Greek language lady, about UN NY matter. Aug 30, via

remote SDR units down under in Queensland and Sydney. Is that originate real from Australia, or program is copying some Greek local program from Europe into Australia? (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 30)

3210, Craig Allen, owner and operator of the transmitter responded to my reception report by thanking me for it and indicated **Vintage FM** is on the air from 0900 to 1330 ("It's on air from 7pm to 11.30 pm Australian eastern time"), 7 days a week, with 300 watts. (Ron Howard-USA/ARDXC)

11590, Sep 10, 1435, **Reach Beyond Australia** ("HCJB-OZ") 1435-1447+ 10 Sept. Good w/ rel. chat in (p) Kuruk [1430-1445 Wed.], closing pgmme w/ Post Box # & maybe website info o/ hymn, quick drums, "This is Reach Beyond Australia--Life-changing Radio", about 20 seconds of OC then opening in Hindi [1445-1500 M-F]. (Dan Sheedy-CA/SWBulletin)

21890, **Trail of International Radio for Disaster Relief** via Shepparton. Full-data, including site, color map card with the Jakarta Media Summit site and shortwave transmitter sites indicated, in 2 months. Report was sent to info@hfcc.org. Card has colorful Czech stamps. (Wendel Craighead-Kansas/DXplorer)

Radio Australia issued some small program schedule changes for remaining A-14 schedule. The changes relate to the scheduling of the Tok Pisin and Burmese language programs. Essentially, the former 0900-1100 Tok Pisin program has been replaced with two slots, one at 0730-0800 and the other at 1000-1030. The Burmese language program (broadcast via offshore HF Relay provider) has changed from 7 days per week to Monday to Friday only. (RA, Gary Baxter-AUS, Sept 3; via ADDX Andreas Volk-Munich Germany; transformed and condensed by Wolfgang Büschel-Germany via wwdxc BC-DX TopNews Sept 3)

Many of Radio Australia's own programmes were cancelled in August as part of the recent cuts, with airtime replaced by relays of ABC domestic networks such as Radio National and Triple J. The RA web site on 19 August states "We are in the process of updating our radio schedule. We're introducing some new shows and some existing ones have moved to new time slots. Please stay tuned, we'll be publishing the full new schedule soon." The good news is that so far there have been no cuts to

shortwave frequency usage. (Various reports Aug 2014). (British DX Club)

AZERBAIJAN Ictimai Radio in FM mode was back on its traditional frequency on 9677v (ex 11760) observed around 1730 on 13 August (Bulgarian SW Blog) This Baku-based station is probably intended to jam the Nagorno-Karabakh (pro Armenian) Voice of Justice on 9677. (Dave Kenny-UK/British DX Club)

9674.8, **Edaletin Sesi Radiosu**, Nagorno Karabakh (?), 1305, Sep 10, Azeri, ID, news (heard in range 9672.4-9674.6), (on Sep 11 at 1310 retro songs in Azeri), 45544 (Pankov-Bulgaria/DX Window)

11760, Unid name, (Baku ?), 0500, Sep 11, news in Azeri, heard in range 11745-11760 (on 11750 over radio Voz Missionaria), 45544, (Pankov-Bulgaria/DX Window) Possibly Baku jamming Azerbaijan broadcast. (Petersen-Denmark/DX Window)

BHUTAN WRTH fb says **Bhutan BS** now back on 6035 at 0000-1300. (Dan Ferguson-NC)

6034.96, **Bhutan BS**, 1217-1240 Sep 2, tune in, OM talking in non-CC non-tonal language, may even be EE, can't tell yet. Clanging instl mx 1219 w chanting OM. Signal held at this level and then slowly eroded until 1240, when audio gone but carrier continued. I should mention -- when I was hearing the nice chanting I was excited; but when the webstream kicked in, and it was the same exact thing, nearly real time //, I had an adrenaline rush!!! (Ralph Perry-IL) 6034.96, Sep 7, 1145, BBS, 1145-1310. Heard daily with poor reception. 1145-1205 mostly below threshold level; 1205-1213 bits of talking heard; 1213- 1229 indigenous music; 1230-1256 with a cute BBS program I have often heard in past years with YL chatting on the phone with young children and the kids also singing (no music - just singing); clearly running past their normal sign off; fairly sure still on at 1310, but unable to confirm just when they went off the air. Thanks again to Gautam Sharma for his help. Today was able to finally measure BBS somewhat lower than PBS Yunnan (Ron Howard-CA/SWBulletin) I received yesterday this e-mail from the BBS: Dear Mr. Ron Howard, As always, thank you very much. Our shortwave transmitter was down for a long time. It broke down and we could not get it back up and running till recently. We managed to do so only with the help of a shortwave transmitter expert from the All India Radio. Thank you once

again. Regards, Kaka Tshering, General Manager, Radio service, Bhutan Broadcasting Service, Chubachu, Post Box 101, Thimphu. (Howard-CA/DX Window) They welcome possible reception reports via their web form on <http://www.bbs.bt/news/>. (Ritola-Finland/DX Window)

BOLIVIA 4409.80, *R Eco*, Reyes, heard at 0035-0114, Aug 31, mixed music, ID: "Desde la capital de la provincia ... Reyes, departamento de Beni, transmite Radio Eco en los 4410 kHz banda.... metros onda corta..." 22222. (Arrunátegui-Perú/DX Window)

4451.20, *R Santa Ana*, Santa Ana de Yacuma, 2315-0010, Sep 02, religious program: "Impacto con María", ID: "Servicio a la comunidad de Radio Santa Ana", music and ads in Quechua, "8 de la noche y 45 minutos", huayno music, 33333. (Arrunátegui-Perú/DX Window)

6025, *Red R. Patria Nueva*, La Paz. Believed to be this (although no ID heard) at 1035 on 2/8 in Spanish with mainly talk between two announcers and occasional music. No sign of PBS listed here. Light QRM from 6030 Marti and China but easily managed by listening in LSB mode. Couldn't get a decent ID at 1100 as both stations on 6030 burst into music, obliterating it for about a minute. Finally faded around 1120. I've been watching out this this one every night since Craig Seager (Bathurst, NSW) reported it on 25/4. (Wagner-Australia/ARDXC)

6105.4, *R. Panamericana*, La Paz. Tough listening under RTI and jammer at 1050 until their s/off 1100, then in the clear with mainly news and reports, occasional IDs. Fair signal and monitored till 1150 f/out on 30/7. Then again on 8/8 with news and on-location reports at 1115, fair signal. Rarely heard here in recent years. (Wagner-Australia/ARDXC)

6134.80, *R Santa Cruz*, Santa Cruz de la Sierra, 2220-2245, Sep 07, mixed modern music, ID: "Cuando pienses en música piensa en Santa Cruz", music, ID: "En Santa Cruz la música es diferente", music, ID: "Santa Cruz una radio diferente", 44444. (Arrunátegui-Perú/DX Window) Heard later at 2356-0018, Sep 06, Bolivian songs, flute. Strong QRM from R Aparecida, 12221. (Méndez-Spain/DX Window)

BRAZIL 4865.00, *R Verde Florestas*, Acre, AC, 2345-0005, Sep 01, news about political reforms in Brazil in the "la semana de la patria", ID: "Radio

Verde Florestas...", religious program, 33333. (Arrunátegui-Perú/DX Window)

5939.86, *R Voz Missionaria*, Camboriú, SC, 2310-2400, Sep 06, religious program: "No pasan", ID at weak signal, 22222. (Arrunátegui-Perú/DX Window) Also heard at 0500, Sep 10, Portuguese, ID, Biblia reading, // 9665 and under Azerbaijan //11750, 25332. (Pankov-Bulgaria/DX Window)

6010, and now let's talk about the absences noted here. *R Inconfidencia*, Belo Horizonte (MG), is not on air on 6010. That's a shame, because the mining station has an excellent program in late afternoon, called The Hour Farmer, who has several relevant information to the farmer, besides the good roots music. Another noticeable absence is the frequency of 11925, *Radio Bandeirantes*, São Paulo, SP. The station, however, has been monitored here in 6090 and 9645. (SWBulletin)

9630, QSL *Radio Aparecida*, a/c Cassiano Macedo, Programa 'Encontro DX', Av. Getulio Vargas 185, 12570-000 Aparecida SP, Brazil. (Rudolf Grimm-Brazil via Sebastian Arndt-D A-DX/TopNews)

10000, *Time Signal Station Observatorio Nacional*, 0613-0622, 13-09, time signals, female time announcements: "Observatorio Nacional, 3 horas, 14 minutos, 0 segundos". 23322. Also 0555-0610, 14-09, Time signals, female voice announcements. 13221. (Méndez-Spain/PlayDX)

11764.7, *Super R Deus é Amor*, Curitiba, PR, 2148, Sep 05, Portuguese. (Ivanov-Bulgaria/DX Window) Also heard in the morning at 0513-0718, Sep 06 and 14, religious comments in Portuguese, "3 y 59, Super Radio Deus e Amor, ... ondas curtas 9565, 11765, 6060 kHz...", "A Voz da Libertação", 34433 // 9565. (Méndez-Spain/DX Window)

CHINA The Bulgarian DX Bloggers reported that **CRI** suspended transmissions on a number of frequencies from the Urumqi site between 1-20 August. Presumably these were off the air for scheduled maintenance. (British DX Club)

CLANDESTINE Democratic Voice of Burma to end radio broadcasting: At the end of October, the Democratic Voice of Burma (DVB) will stop producing its ethnic language radio program after 21 years of broadcasting, a decision revealed yesterday during a meeting of staff members from DVB's Ethnic Groups' Program. "Because there are

more and more magazines and journals [being distributed] in the country, the audience [listening through] short-wave radio has become smaller. We broadcast the news at six in the morning and nine in the evening, but at those times the audience has demonstrated a preference for newspapers and journals instead of waiting for us," said DVB editor U Khin Maung Soe. According to a US-based group which collects data on short-wave radio audiences in Burma, the DVB's short-wave radio programs only attract 2% of the Burmese exile radio station audience, the smallest percentage among the four exile stations. Due to such small audience numbers, DVB donors have suggested that the organization stop broadcasting radio programs and produce TV media programs instead. However, changing from radio to TV broadcasting may pose challenges and difficulties for those in charge of the DVB's Ethnic Groups' Program. "Although at the previous meeting it was mentioned that TV training would be conducted, and assistance for any necessary technical training would be provided, nothing has been implemented yet. And now, in the past 1-2 months the situation has changed and we haven't had time to prepare," said the director of the Karenni ethnic program. During yesterday's Ethnic Groups' Program online meeting, broadcast directors from the DVB's Ethnic Groups' Program discussed common difficulties posed by TV production. For example, given the fact that the directors live on the Thai-Burmese border they find it difficult to obtain video footage and voice recordings. They also mentioned the lack of video-editing devices and materials as well as technical IT knowledge. The DVB's current ethnic language radio program is broadcast in Kachin, Karenni, Karen, Chin, Mon, Rakhine, and Shan languages.

Full article here ... <<http://www.bnionline.net/index.php/news/imna/17383-dvb-ends-radio-broadcasting.htm>>

The Democratic Voice of Burma is a non-profit media organization based in Chiang Mai, Thailand. Run by Burmese expatriates, it makes radio and television broadcasts aimed at providing uncensored news and information about Burma (also known as Myanmar), the country's military regime, and its political opposition. In July 1992, DVB began broadcasting programming into Burma via short-wave radio. According to DVB, these broadcasts reach millions of listeners. On May 28, 2005, DVB expanded its programming and began satellite television [!] broadcasts into the country. The

organization stated that it hoped to reach some ten million Burmese through this new effort (which it claims is the first free and independent Burmese language television channel), which was funded in part by non-governmental organizations such as Free Voice of the Netherlands, the National Endowment for Democracy, and the Freedom of Expression Foundation. (Burma News Intern via Mike Terry-UK, BDXC YG)

The closure of *SW Radio Africa* leaves just *VOA Studio 7* and *Radio Dialogue* specifically targeting Zimbabwe on SW. Radio Dialogue can be heard fairly well most days at 1600-1700 on 12105 via Madagascar in English and Shona/Ndebele. (Dave Kenny-UK/British DX Club)

At the end of October the *Democratic Voice of Burma* will stop transmissions on shortwave after 21 years of broadcasting. Current schedule:

1430-1530 on 11560 DB Burmese
2330-0030 on 11595 DB Burmese
(DX Re Mix News, Bulgaria)

Frequency change of *Radio Free Sarawak* in Iban
Mon-Sat from Sep.2

1100-1145 NF 15430 TSH, ex 15425 June 23-August 30
1145-1230 NF 15420 TSH, ex 15425 June 23-August 30
(DX Re Mix News, Bulgaria)

6135, Aug 22, 1204, *Voice of Freedom* (clandestine). Thanks to an alert from Dave Valko that something was happening with N. Korean stations, I briefly checked VOF at 1204, Aug 22 and found them very readable without the normal white noise jamming from the north. From 1204 to 1211 listened to KBS Hanminjok Bangsong 1 on 6015; totally in the clear with fair to good reception, till finally hit with strong white noise. Re-checked VOF at 1211 and they also had white noise blocking them. So whatever the problem was in DPRK, it was quickly fixed (Ron Howard-CA/SWBulletin)

7235.9, Clandestine to Eritrea, *0355-0433 * and *1800-1817 *, Aug 29 and on Sep 10 at *1800-1836 * in vernacular, 22542, (Pankov-Bulgaria/DX Window)

12105, *R Dialogue FM*, via Talata-Volonondry, Madagascar (250 kW / 130 degrees), 1600-1700, Sep 13, Shona/Ndebele/ English to Zimbabwe. (Ivanov)

- 13830, **Voice of Oromo Liberation**, via Issoudun (100 kW / 125 degrees), Su 1700-1800, Sep 14, and We 1700-1730, Oromo to East Africa. Also scheduled We at 1730-1800 in Amharic to East Africa. (Ivanov-Bulgaria/DX Window)
- 15180, **R Hilaac**, via Issoudun (500 kW / 130 degrees), Sa-Th 1700-1730, Sep 13, Somali to East Africa. (Ivanov-Bulgaria/DX Window)
- 15245, **R Assenna**, via Issoudun (250 kW / 130 degrees), Mo/Th/Sa 1700-1800, Sep 13, Tigrinya to East Africa. (Ivanov-Bulgaria/DX Window)
- 15245, **Eritrean Forum EYSC**, via Issoudun, (250 kW / 130 degrees), 1727, Tu Sep 02, Tigrinya to East Africa. Also heard at Sa 1800-1900, Sep 13, Arabic to East Africa. (Ivanov-Bulgaria/DX Window)
- Frequency changes of **Shiokaze Sea Breeze** effective from Sep.1:
- 1330-1430 NF 6020 YAM, ex 5985 Japanese Mon/Wed
 1330-1430 NF 6020 YAM, ex 5985 Chinese/Korean Tue
 1330-1430 NF 6020 YAM, ex 5985 English Thu
 1330-1430 NF 6020 YAM, ex 5985 Korean Fri
 1330-1430 NF 6020 YAM, ex 5985 Korean/Japanese Sat
 1330-1430 NF 6020 YAM, ex 5985 Japanese/Korean Sun alternative:
 5910/5985/6120/6135/6175.
 (DX Re Mix News, Bulgaria)
- 1600-1700 NF 6165 YAM, ex 6090 Japanese Mon/Wed
 1600-1700 NF 6165 YAM, ex 6090 Chinese/Korean Tue
 1600-1700 NF 6165 YAM, ex 6090 English Thu
 1600-1700 NF 6165 YAM, ex 6090 Korean Fri
 1600-1700 NF 6165 YAM, ex 6090 Korean/Japanese Sat
 1600-1700 NF 6165 YAM, ex 6090 Japanese/Korean Sun alternative: 5910/6020/6075/6090/6135.
 (DX Re Mix News, Bulgaria)
- Clandestine and other target broadcasts via Issoudun & Madagascar on Sept.13
- Radio Xoriyo:**
- 1600-1630 on 17630 ISS Somali Tue/Sat. Transmissions are jammed by Ethiopia with white noise like broadband DRM.
- Oromo Voice Radio (Raadiyoo Sagalee Oromoo):**
- 1600-1630 on 17850 ISS Oromo/English Mon/Wed/Sat Transmissions are jammed by Ethiopia with white noise like broadband DRM
- white noise like broadband DRM
- (DX Re Mix News, Bulgaria)
- Radio Dialogue FM:**
- 1600-1700 on 12105 MDC Shona/Ndebele/English (DX Re Mix News, Bulgaria)
- Radio Inyabutatu:**
- 1600-1700 on 17500 ISS Kinyarwanda Sat (DX Re Mix News, Bulgaria)
- Radio Hilaac:**
- 1700-1730 on 15180 ISS Somali Sat-Thu (DX Re Mix News, Bulgaria)
- Radio Assenna:**
- 1700-1800 on 15245 ISS Tigrinya Mon/Thu/Sat (DX Re Mix News, Bulgaria)
- Radio Impala, Radio Mara:**
- 1700-1800 on 17540 MDC Kinyarwanda (DX Re Mix News, Bulgaria)
- Eritrean Forum EYSC:**
- 1800-1900 on 15245 ISS Arabic Sat (DX Re Mix News, Bulgaria)
- Lutheran World Federation, Voice of Gospel, Sawtu Linjilia:**
- 1830-1900 on 15315 ISS Fulfulde (DX Re Mix News, Bulgaria)
- More two clandestine broadcasts via Kostinbrod and Issoudun on Sept.14:
- Dimtse Radio Erena:**
- 1700-1730 on 11855 SOF Oromo (DX Re Mix News, Bulgaria)
- Voice of Oromo Liberation:**
- 1700-1800 on 13830 ISS Afar Oromo Sun
 1700-1730 on 13830 ISS Afar Oromo Wed
 1730-1800 on 13830 ISS Amharic Wed
 (DX Re Mix News, Bulgaria)

COLOMBIA 5910.06, *Alcaravan R*, Puerto Lleras, heard at 0510-0700, Sep 07, Latin American songs, "Llaneras", 34433. (Méndez). Also heard at 1015-1140, Sep 06, various Latin music continuously, time ann: "5 y 31 de la mañana", ID: "Alcaraván Radio..." 33333. (Arrunátegui-Perú/DX Window)

CUBA 4765, *R Progreso*, La Habana, 0350-0403*, Sep 07, Cuban and Latin American songs, Spanish comments. Very nice good musical program and good signal, 34433. (Méndez-Spain/DX Window)

DJIBOUTI 4780.00, Sep 12, -2101*, *R Djibouti*, Dorale Arabic ann, Horn of Africa music, 2100 Somali closing ann. Only audible in LSB, due to heavy digital QRM in USB 45232. (Anker Petersen-Denmark/SWBulletin)

ECUADOR 6050, *Voz Andes/HCJB* Quito is looking for a good (used) solid state 10 kW transmitter for 6050. Their current unit is off the air since Aug 12 and they are waiting for parts from the US for getting it back on as soon as possible. (Kuhl, Sep 06/DX Window)

ENGLAND BBC changes effective from Sept.20/22:

0700-0730 on 17880 WOF French, ex MEY
250kW/342deg
1100-1200 on 17755 WOF English on Sept.24 DRM mode
1300-1400 on 17830 MEY Somali Sat "Premier League"
1300-1400 on 21470 DHA Somali Sat "Premier League"
1330-1600 on 17780 ASC Hausa Sat "Premier League"
1400-1500 on 17830 MEY Somali Sat "Premier League"
1400-1500 on 21470 DHA Somali Sat "Premier League"
1600-1700 on 6195 TAC Farsi, ex 1500-1600 on same
1600-1700 on 15310 NAK Farsi, ex 1500-1600 on same
2200-2400 on 9915 ASC English Mon-Fri, additional
2200-2400 on 12095 ASC English Mon-Fri, additional
(DX Re Mix News, Bulgaria)

FEBA Radio:

0200-0215 Urdu U-9750 1234567
0215-0230 Baluchi U-9750 123
0215-0230 Sindhi U-9750 456
0215-0230 Urdu U-9750 7
1200-1230 Tibetano U-15215 1234567
1330-1400 Tamil T-9720 3
1330-1345 English T-9720 1
1330-1345 Kannada T-9720 6
1330-1345 Kuvi T-9720 7
1330-1345 Telugu T-9720 24

1345-1400 Malayalam T-9720 2456
1345-1400 Tamil T-9720 17
1400-1430 Urdu U-11880 1234567
1430-1445 Balti U-11880 1457
1430-1445 Urdu U-11880 236
1430-1500 Hindi Tk-9500 1234567

Sites: (T) Trincomalee, Sri Lanka, (Tk) Tashkent, Uzbekistán, (U) Dhabayya, UAE, (Conexion Digital/ARDXC)

ETHIOPIA Observations of three Ethiopian stations on Sept.13:

Voice of Tigray Revolution:

0300-2000 on 5950 GEJ Tigrinya
(DX Re Mix News, Bulgaria)

Radio Oromiya, back on the air:

0300-2000 on 6030 GEJ Afar Oromo
(DX Re Mix News, Bulgaria)

Fana Broadcasting Corporation, Radio Fana:

0300-2100 on 6110 AAB Amharic
(DX Re Mix News, Bulgaria)

FINLAND 3960.00, 0350-0410 and 1755-2205, 25.8, *R Gramox*, Hämeenkyrö (50 Watt) New station. Finnish talks and laughter, traditional and romantic Finnish songs when best 35343, but only audible in LSB, because of DRM noise from 3965. (Anker Petersen-Denmark/PlayDX) Also heard at 2215-0005, Aug 23, old-style Finnish music and canned IDs. Very weak signal, SIO 142, but quite clear, parallel their web stream <http://gramox.fi/>. (Kenny-UK/DX Window) The station plays old Finnish music from the 1920s to the 1960s and launched in 2013. It broadcasts locally on FM 106.8 and has a low-power short wave licence for 3960, 7230 and 25760 as well as medium wave 729 medium wave (web site says 729 "coming soon"). Of the three shortwave frequencies, only 3960 is currently active. Heard here with a very weak signal around 2300 UTC on 9 and 24 August, only audible in LSB due to DRM interference from 3965. (Dave Kenny-UK/British DX Club)

25000, *Time Signal Station Mikes*, 1931-1940, 12-09, time signals, beeps with the seconds and no beep at second 59. 24322. Also 1703-1714, 13-09, time signals. 24332. (Méndez-Spain/PlayDX)

Scandinavian Weekend Radio, Finland's other licensed shortwave station, broadcasts only on the first Saturday of each month starting at 2100 Friday until 2100 Saturday. Frequencies are 5890 or 6170 plus 11690 or 11720, although the 11 MHz transmitter has been off for several months. Russ Cummings reports "I think SWR, Finland is now on 11720 at 1335 although their schedule states 11690 is on at this time. Currently playing heavy rock, SINPO 34223, lots of noise and static crashes. (Russ Cummings, 2 August - BDXC-News yg/British DX Club)

FRANCE Frequency changes of **Radio France Internationale** from August 31:

0600-0630 NF 11995 ISS Hausa, ex 15340 //
0600-0630 on 13750 ISS Hausa
1200-1300 NF 21690 ISS French, ex 17620 //
1200-1300 on 17620 ISS French
1200-1300 on 17660 MEY French
1200-1300 on 21580 ISS French
1500-1600 NF 15630 ISS Vietnamese, ex 17810
(DX Re Mix News, Bulgaria)

GERMANY **Voice of Mongolia** in English will be broadcast via Kall Krekel:

1430-1500 on 7310 from September 1 till October 5
1730-1800 on 6005 from September 1 till October 5
1900-1930 on 3985 from September 1 till October 5
(DX Re Mix News, Bulgaria)

A new low-power private shortwave station called **Europa 24 / Europe 24** has started testing from Datteln, Germany on 6150. First reported in July with low power tests and thanks to a tip from Harald Kuhl heard testing around 2300 on 2 August with recorded IDs in English, German and Dutch, announcing as "coming soon U Europe 24 U information and entertainment station for the whole of Europe". Good signal in UK at this time. Also heard subsequent day's approx 1600-2330. The station's registered address is: DG2YID, Bernd Feyock, Johann-Strauss-Str. 22, 45711 Datteln. HFCC has registered 0600-1900 with 15 kW. (Wolfgang Büschel, Andree Bollinn, via BC-DX; Harald Kuhl, Dave Kenny/British DX Club)

Radio Andernach on 7325 DRM signal from German army station Radio Andernach was observed on 7325 on 3 Aug at 0205. No audio decoded, but the DRM text shows "Mmedia, German, Germany, audio conditional access --- Information, Radio

Andernach". Web site <http://www.radio-andernach.bundeswehr.de/> (via Google translate): "Radio Andernach offers a 24-hour full programme: In Kosovo and Afghanistan, soldiers can receive the channel on FM. In addition, for relatives at home Radio Andernach is also available via web stream." (Alan Roe-UK/British DX Club)

Voice of Mongolia in English will be broadcast via Kall Krekel to Central Europe from Sep 01 till Oct 05 at 1430-1500 on 7310, at 1730-1800 on 6005 and at 1900-1930 on 3985. (Ivanov-Bulgaria, Sep 02/ DX Window)

6160, **MV Baltic R**, Göhren, *0800-0820, Sep 07, ID's in German and English, pop music, comments, 24322. (Méndez-Spain/DX Window) Scheduled on 6140 Su 0800-0900. (Taylor, Sep 05/DX Window)

9485, **MV Baltic R**, Göhren (1 kW), *0900-0915, Sep 07, ID's in German and English, pop music, comments, 24322. (Méndez-Spain/DX Window) Scheduled with repeat broadcast at 0900-1000. E-mail: info@mvbalticradio.de. (Taylor, Sep 05/ DX Window)

GREECE 9420, **Helliniki Radiophonia**, Avlis. Music programming at 0340, fair signal but improved greatly by 0530 on 8/8. (Wagner-Australia/ARDXC) 21/8 at 0300 w full ID "Elliniki Radiophonia Erto-pen Vefteron Programa" (they say "Erto-pen" as one word) (vefteron=2nd). The used nickname "rebels" for them is no so right - their trade union is official acc. to the Supreme Court there. (Pankov-Bulgaria/ ARDXC*)

GREENLAND Stig Hartvig Nielsen writes in MWDX: Good news from Greenland. It has been revealed a few hours ago, that **KNR** is to return to three Medium Wave frequencies following a lot of criticism about the lack of reception of KNR on the sea and outside towns and villages in Greenland. Three MW frequencies are expected to return: Qeqertarsuaq - anytime between October 1st and December 1st 2014; Nuuk - anytime between January and March 2015; and Simiutaq, Qaqortoq - approx. June 1st 2015. [Later] I had news from Greenland today confirming frequencies and power of the three Medium Wave transmitters which are due to reopen in the next months: Qeqertarsuaq - 650 (5 kW) - due on the air in Oct or Nov 2014. Nuuk - 570 (5 kW) - due on the air in Jan, Feb or Mar 2015. Simiutaq, Qaqortoq - 720 (10 kW) - due on the air around June 1st 2015. With the reopening of these

three MW frequencies, all plans about the launch of a Short Wave transmitter in Greenland have been given up for the time being. When all three MW transmitters are back on the air, it will decide if more MW frequencies are to be re-launched. (Stig Hartvig Nielsen-DEN, mwxc / BrDXC-UK Aug 21 /25/TopNews)

INDIA 4760.0, Aug 30, 1625, Tent. **AIR Leh?** Acc. to Alokesh Gupta's blog AIR Leh is back (first noted on 19th Dec 2013) after staying on 4660 for almost two & half years so here. Thus it is necessary to ensure getting a clear ID. Today unfortunately only a mere S3 signal. There is a weaker signal on 4760.01, which is the frequency **AIR Port Blair** has been reported using. (Thomas Nilsson-Sweden/SWBulletin)

Excerpt from a news report: Meanwhile, radio transmission in the Kashmir Valley was cut off after flood waters inundated the transmitter installations of state-run **R Kashmir** in Srinagar, officials said on 1116 MW and 4950. The local Doordarshan centre is already operating from makeshift facilities after its studios got flooded. (Gupta and Jacob, Sep 07). News from AIR Blog: Jammu and Kashmir flood situation continues to be grim. R Kashmir, Srinagar Station and DD Kendra are in water. R Kashmir, Srinagar Station and DD Kendra Staff quarters at Srinagar are also surrounded with water. Staff is stranded. Our CEO and senior officers at Prasar Bharati and Directorates are continuously monitoring the situation and trying to coordinate relief. As far stranded staff, some relief has just reached them. R Kashmir bravely worked for days after everything else was off, but as the water gushed into studios even these transmissions are halted. Hectic efforts are on to revive transmission from R Kashmir FM Transmitter situated at Shankaracharya Hills. Government of India has made arrangements for airlifting of engineers and programmers along with equipment and broadcast material from Delhi Sep 09... (Jacob-India/DX Window)

PB parivar talked to our colleagues at Radio Kashmir, Srinagar at around 1.30 pm and got the updates from Sh. Neeraj Goel, Dy. Director General (E), Radio Kashmir, Srinagar. He stated that Radio Kashmir is the only mass medium sustaining at these severe floods. Doordarshan campus is also affected and Doordarshan transmission is off air. Radio Kashmir employees are working with full devotion. Many of them are on job for hours together. From Pampur

MW and Short Wave Transmitters are on sending signals to very far off places. The importance of SW is witnessed during such time. The roads to this transmitter locations are flooded and the staff led by Mr. Imtiaz is working there continuously as new shifts cannot reach. At narbal 300 KW medium Wave Transmitter is running on 1000 KW Diesel Generator. At Studio Centre officials of all discipline are working as cohesive team. Situation at Srinagar has become too grim. DD transmission from Studio building has stopped. Most of our staff are not able to report on duty as their houses are submerged in Water. Water is there up to 2nd floor at radio colony. Radio Station though safe now as water at present has been diverted to Dal area but till when nobody knows. Water level is very high near to Radio Station at all side. No electricity at the Station. 300 kW transmitter is running without power since more than four days. Almost whole of the Srinagar has been in undated with water. This situation has arises as Jhelum river is over flowing. Akashvani Colony also people have to shift on second floor. Few hours back gushing water from Dam was diverted towards Dal Lake just 10-15 meter away from our office thus enabling our office to be safe (narrowly) and Functioning. (Jose Jacob-IND, VU2JOS, DXindia via wwdxc BC-DX TopNews Sept 8)

INDONESIA 3325, Sep 1, 1200, **RRI Palangkaraya**. For all of August they played the patriotic song "Dirgahayu Indonesiaku" at the end of the 1200 Jakarta news, as they normally do during the month of their independence, so Sept 1 was expecting the return of the patriotic song "Bagimu Negeri," but they surprised me by playing the patriotic song "Garuda Pancasila." Not very often that they play this song, so was a treat to hear it again at 1233; news and "Garuda Pancasila" // RRI Wamena (4869.90). BTW - RRI Makassar (4749.96) remains silent. (Howard-CA/SWBulletin)

4869.925, **RRI Wamena**, Propinsi Papua, Bahasa Indonesia, at 1012 on Sept 20, fluttery S=8-9 signal, -70dBm. Singer like Mahalia Jackson style ... heard on remote Perseus Net radio in Sydney NSW Australia. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Sept 20)

KAZAKHSTAN In the last weekend of August I passed the village Bayserke (before 2000 - Dmitrievka) in Almaty area and found that the Broadcasting Center was dismantled. On the field, there is only one mast, and part of the former antenna field is enabled for the construction of the new road

and transport interchange. (Puzanov in "open_dx" via RUS-DX No. 784, Sep 07/DX Window)

LAOS 6129.978, as often noted in past months, one of two transmitters available at Vientiane tx site is always some 22 Hertz down lower side, the other unit is rather on even frequency, scheduled 0855-1600 UT acc Aoki Nagoya list. (Wolfgang Büschel-Germany Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 20) 6129.982, **Lao National Radio**, Vientiane, Laotian program at 1159 on Aug 25, fair S=9+5dB or -66dBm signal. Local music with flute, followed by young lady singer in SoEaAsian style. Via remote SDR units down under in Queensland and Sydney. Splatter of CNR1 on 6125 from synchronized Beijing #572 and Shijiazhuang #723 transmitting centers. And North Korean noise scratching jamming on 6135. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 25) This afternoon around 1530 on Aug 27 on 6129.984 kHz, similar signal like Rangoon 5985.238 noted on Tokyo JPN remote unit, S=9+5dB -68dBm. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 27)

MALAYSIA As of Sep 01, both **Traxx FM** (7295) and **Asyik FM** (6050) remain off the air, while all the other RTM SW stations are normal. Was disappointed on Aug 31 to find nothing special going on for their Merdeka/Independence Day; in fact Asyik FM and Traxx FM off the air that day. (Howard-CA/DX Window)

11665, **Wai FM**, Sarawak, via Kajang, 1305-1335, Sep 16, big goings-on in Miri, Sarawak; at various times heard on 11665, // 9835 and 5964.7 with coverage of 51st Malaysia Day national-level celebration being held in Miri, with Prime Minister Datuk Seri Najib Tun Razak and federal and state ministers in attendance; several major speeches and a lot of musical entertainment direct from the event. Most enjoyable. (Howard-CA/DX Window)

Malaysia Day celebration in Miri, Sarawak: On Sept 16, big goings-on in Miri, Sarawak; at various times heard Wai FM (11665), Sarawak FM (9835) and Radio Klasik (5964.7), all via Kajang and //, with coverage of 51st Malaysia Day national-level celebration being held in Miri, with Prime Minister Datuk Seri Najib Tun Razak and federal and state ministers in attendance; several major speeches and a lot of musical entertainment direct from the event. Most enjoyable. Heard from 1305-1335 on Sept 16. (Ron Howard-CA-USA, wwdxc BC-DX TopNews Sept 16)

MALI 5995, **Radio Mali**, Bamako, *0558-0612, 13-09, tuning music, French, "Vous écoutez Radio Mali, Bamako, dans le bande du 49 mètres, 5995 kHz", comments and African songs. 24322. (Méndez-Spain/PlayDX)

MEXICO 6185, **R Educacion**, Mexico D. F., 0353-0502v*, Sep 06, 07, 13 and 14, classical music, Spanish comments, program: "Mundo del Trabajo", ID's: "Radio Educacion, programas educativos", "La Direccion General de Radio Educacion", "Radio Educación, llegamos al final de esta emisión de Mundo del Trabajo", "Esta fue una producción de Radio Educación, Radio Educación, la radio cultural de México, 1060 AM, 100.000 watts de potencia", anthem, 24322. (Méndez-Spain/DX Window)

MICRONESIA 4755.551, PMA - Pacific Missionary Aviati, Pohnpei, **The Cross Radio** at 1025 on Aug 30. Rather tiny signal today at Sydney NSW Australia, S=6 -86dBm. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 30) 4755.56, Sep 1, 1125, PMA-The Cross Radio. Through Sept 1, they continue to daily have very different closing times. Sept 1, tuned in at 1125 to find them already off the air. Aug 31, at 1155 with DTMF tones immediately followed by ID ("88.5 FM and it is eleven o'clock"); 1200 and again at 1208 with inspirational one minute spot with "Insight for Living" with Chuck Swindoll ("www.insight.org"); 1204 and 1219 with one minute of James Dobson's "Focus on the Family"; still on at 1328 (running very late!). Aug 30, at 1155 usual DTMF tones/ID; 1159 inspirational minute by Joni Eareckson Tada (Ron Howard-CA/SWBulletin)

MONGOLIA 4895, **Mongolian Radio 2**-Murun, 13/09/2014, 2310, Com Locutor //4830, Mon, 24332. (Antonio Madrid-Spain/PlayDX)

7260, Aug 26, 1120, **Voice of Mongolia**. Happened to tune by just as they gave multi-language IDs - "This is the Voice of Mongolia" and in Russian; perhaps in other languages as well. A first for me to catch a clear English ID here. (Ron Howard-CA/SWBulletin)

MOROCCO (SPANISH) 9575 **R. Méditerranée Int (Medi 1)**, Nador. Arabic news at 0401, ID as "Mahataat Medi an" at 0405 and then into lively Arabic instrumental music. Weak on 8/8. (Wagner-Australia/ARDXC) Fair with AA announcements at 0702 on 16/8 (Adams-Australia/ARDXC) "La Voix du Méditerranéen", acc. to their ID at 0030 on 29/7 and //LW171 (Pankov-Bulgaria/ARDXC)

MYANMAR 5985.24, *Myanma R*, Yegu, Yangon, 1530, Sep 08, noted with accompanied 2 kHz whistle heterodyne tone of 5983.0 kHz, logged down under remote SDR unit in Brisbane Queensland, S=8. No signal of Myanmar on v7200 (7186/7214) tonight at the same time. (Bueschel-Germany/DX Window)

7345, *Thazin Radio* (presumed), random checking 1210 to about 1300* UT, Sept 16. Thanks to the timely tip from Dave Valko and Ralph Perry that CNR1 is silent here now; tuned in at 1210, in LSB, to hear Myanmar with decent signal all by itself; went to USB to see if that was better, but surprised to hear StarStar Br St (presumed) reading numbers in Chinese, underneath Myanmar. StarStar went off close to 1220. Thazin Radio normally goes off right at 1330, but not so today. Off close to 1300. I tuned away briefly to check on 7502-AM StarStar Br St signing on at 1300 (yes, they did) and when I tuned back to 7345, at 1301, found Myanmar off. All very interesting! Amazing what can be heard without the CNR1 powerhouse here! (Ron Howard-CA-USA, wwdxc BC-DX TopNews Sept 16)

9730, Aug 25, 1030, *Myanmar Radio*. Thought their English segment would start about 1030, but no, they fooled me; at 1033 they ended the ABC/Radio Australia segment; "Lesson 8 - In the Restaurant"; followed by ads; poor. Also at 1105, Wednesday, Aug 27 on 9730. They always play the same piece of classical music about this time, followed by series of ads; 1108-1119 repeat of Monday's "Lesson 8"; much better reception today. (Ron Howard-CA/SWBulletin) 9730, Sep 9, -1128*, Myanmar Radio, 1107-1128*. Live coverage of the "U19" (under 19) ASEAN AFF soccer game with Myanmar vs. Indonesia, played in Vietnam; match ended 1119. First time I have ever heard Myanmar with sports coverage. Possibly a TV audio feed? Not much in the way of a running commentary. Certainly not play by play coverage as would be expected for a radio audience. Sept 10 (Wednesday), again with what sounded like live sports coverage from tune in at 1048 till end of game at 1122; today did sound more like play by play coverage; unable to hear which teams were playing; search of web found no Myanmar games scheduled for today (pre-recorded?). This preempted the normal Wed. ABC/Radio Australia segment, Sept 11 - For the last few days have noticed a new jingle (pop music) ID before the BoH on 9730. Very distinctive! Seems I am hearing three different singing "kiloHertz" in the first portion of the pop jingle, with "... Radio",

followed by the usual indigenous theme music. (Ron Howard-CA/SWBulletin)

NIGERIA *Radio Nigeria Kaduna*

0400-2300 on 6090 Hausa
(DX Re Mix News, Bulgaria)

NORTHERN MARIANAS, COMMONWEALTH *Radio Free Asia* from July 11

2200-2300 NF 15260 TIN Cantonese Mon, ex 15120
2200-2300 NF 15270 TIN Cantonese Tue, ex 15120
2200-2300 NF 15280 TIN Cantonese Wed, ex 15120
2200-2300 NF 15290 TIN Cantonese Thu, ex 15120
2200-2300 NF 15300 TIN Cantonese Fri, ex 15120
2200-2300 NF 15380 TIN Cantonese Sat, ex 15120
2200-2300 NF 15390 TIN Cantonese Sun, ex 15120
(DX Re Mix News, Bulgaria)

PAKISTAN Surprisingly transmissions of *Radio Pakistan* on Sept.17:

0500-0700 on 15730 ISL Urdu, no signal 0600-0700
0500-0700 on 17810 ISL Urdu, no signal 0600-0700
0830-1100 on 15730 ISL Urdu, with several breaks
0830-1100 on 17700 ISL Urdu, with several breaks
1100-1110 on 15730 ISL English news, ex 1100-1105
1100-1110 on 17700 ISL English news, ex 1100-1105
(DX Re Mix News, Bulgaria)

PALAU 9965, *R Australia National*, via Palau, 1307, Sep 10, English, song Beautiful Eyes // 9475 (till 1330) // 12065 (under IBB?), // 12085, 45533. (Pankov-Bulgaria/DX Window)

PAPUA NEW GUINEA 3260, Sep 1, -1204*, *NBC Madang*. Currently the strongest NBC station. Aug 30 with 1211*. (Ron Howard-CA/SWBulletin)

3274.99, *NBC Southern Highlands*, Mendi (presumed reactivated). Continues to be heard, but their sign off is much earlier now; Aug 26 with 1145* and Aug 27 with 1147*; often just above threshold level; the weakest of all the NBC stations; 3385 being the best and then comes 3260. Silent are 3205, 3235 and 3905. (Howard-CA/DX Window) Also heard at *1959-2026, Aug 18 and 26, sign on, weaker the following days. (Nilsson-Sweden/DX Window) Southern Highlands last heard July 2012. (Ed/DX Window)

3385, *NBC East New Britain*, Rabaul. Since Aug 29, the day of the eruption of the Taurvur volcano,

this station has been silent, through to Sept 1. A bit of volcanic history should be remembered here. In 1994, both the Vulcan and Tauruvur volcanoes erupted, destroying a major portion of Rabaul, which at the time was the provincial capital of ENB. As a result the capital of ENB was moved to its present location at Kokopo. The NBC website has finally been updated - <http://nbc.com.pg/>, with nice interactive map of their stations. BTW - Just for the record, I routinely check for the return of Radio Fly (3915 and 5960) and both continue their long standing absence. (Ron Howard-CA/SWBulletin)

PERU 4774.90, **R. Tarma**, Tarma, Junín, at 1048-1110 on Sep 6; mx w/ continuous Andean tropical mx; ID in passing: "Por Radio Tarma Internacional", Angelus, ID: "En Radio Tarma del Perú, presentamos..." px of national folk mx. 44444. (Pedro F. Arrunátegui-Perú/DXplorer)

4789.87, **R Visión**, Chiclayo, Lambayeque, 0905-0925, Sep 12, music, advs: Iglesia Pentecostal La Cosecha, ID: "Radio Visión una radio para todos", music, ID: "Oportunidad con nuestra programación para todos, somos radio Visión, radio Visión transmite desde la ciudad de Chiclayo, Perú", music, ID: "Desde la ciudad de Chiclayo, transmite radio Visión", music, ID: "Siga escuchando la música de su preferencia en radio Visión, una radio para todos, una radio perfecta...", 44444. (Arrunátegui-Perú/DX Window)

4810.00, **R Logos**, Tarapoto, 0940-1004, Sep 12, played continuous music with religious temas, "La palabra de Dios en dialecto.", ID: "Radio Logos desde la selva peruana", 33333. (Arrunátegui-Perú/DX Window)

4824.48, **R La Voz de la Selva**, Iquitos, Loreto, 2335-0010, Sep 09, modern music program, "Alto Voltaje", ID: "LVS está presentando", advs, various ID: "Estas escuchando LVS", 44444. (Arrunátegui-Perú/DX Window)

4910, a new shortwave station in La Libertad Department has been registered with 1 kW. (Thomas Nilsson-Sweden/SWBulletin)

5024.92, **R. Quillabamba**, Cusco; at 2240-2305 on Sep 6; folk mx w/ huaynos, several "comunicados" in SP and Quechua. ID: "Radio Quillabamba está en tu corazón", rlg prgm. 44444. (Pedro F. Arrunátegui-Perú/DXplorer)

5940, **Radio Bethel** after approximately one month, Bethel reactivated its signal again. I could effortlessly capture the Puna Carraviz Radio, broadcasting from Juliaca, whose signal has been rented to a "Pentecostal Church". (Alfredo Stover-Perú/PlayDX)

5980, **R. Chaski**, Urubamba, Cusco. Nice clear uninterrupted signal 1055 with instrumental flute music, ID and anncts at 1100, then into light orchestral and choral music. Preaching at 1117. Best I've heard this in a long time, 2/8. (Wagner-Australia/ARDXC)

6173.9, **R. Twantinsuyo OAX7C** Cusco on 9/1 from 1013 tune with non-stop man ancr to tune-out at 1043 but increasing noise lvl and fading after 1035. Many mentions of "Radio Twantinsuyo" and Cusco, otherwise could not discern what kind of program. SINPO 35343. (Bruce W. Churchill-CA/DXplorer) 6173.85, **R. Tawantinsuyo**, Cusco; at 1110-1136 on Sep 2; nx, ads for "Restaurante San Sebastián", ID: "Por Radio Tawantinsuyo". 44444. (Pedro F. Arrunátegui-Perú/DXplorer)

9675, **Radio Del Pacífico**, in // with MW 640, heard at around 1500. (Alfredo Cañote, Lima, Perú via condiglist, yg via Nigro-Uruguay/DXplorer, Sep 5) Another Lima radio, in this case, with more years of existence, it has reactivated its shortwave service, I mean the Radio Pacific, 9675 in parallel with the main signal of 640 MW, I heard around 15:00. (Alfredo Stover-Perú/PlayDX) Last heard May 2013 with the schedule 1300-2300. (Petersen-Denmark/DX Window) Possibly heard 0620-0715, Sep 07, comments and songs, possibly religious songs. Very weak to identify the language, 14321. (Méndez-Spain/DX Window) Peruvian DXer Alfredo Cañote has finally phoned the stn and talked with Eng. David Nieves at Radio Del Pacifico, commenting him about the reception. He confirmed they are were transmitting on their usual 9675. Email for reports is: pacificom@qnet.com. Via Alfredo Cañote, Lima, Perú in Condiglist YG. Per additional comments, it seems, also that modulation is not the level which would be desired for their carrier strength. (Horacio Nigro Geolkiewsky-Uruguay/DXplorer)

PHILIPPINES FEBC - Radio Teos; SW 11650 kHz (Bokaue, Philippines), 100 kW, 323 degrees azimuth. 1500-1530 (daily), 1530-1600 (Mon-Sat); Address: FEBC Philippines, 62 Karuhatan Road, 1441 Valenzuela City, Philippines; E-mail: info@febc.org.ph; Address: FEBC Russian Ministries, P. O. Box 1, La Mirada CA 90637, USA. E-mail: febc@febc.org.

ogr; (<http://s.radioteos.ru/contacts.html>, «Radio in Russian” Spring - Fall 2014). (RUS-DX)

RUSSIA *Voice of Russia*, which suspended shortwave broadcasts on 31 March due to financial difficulties, has registered an extensive SW schedule with the HFCC, including English to Europe and North America. The start date is given as 1 October 2014. However, this may just be a contingency in case funding for the broadcasts is restored. Alokesh Gupta (via dxld) wrote to Voice of Russia and received a reply on 21 August saying that “Although the plans to re-open the VOR shortwave broadcasts are being considered, at this point nothing can be said for sure regarding its status in the near future.” (British DX Club)

SAUDI ARABIA Ampegon delivers Shortwave Transmitters and Antenna Systems to Saudi Broadcast Corporation: Turgi, Switzerland, Sept 12, 2014. Saudi Broadcast Corporation (SBC), Saudi’s National Broadcaster, has contracted Ampegon through undisputed Saudi market leader First Gulf Company (FGC) for the renewal of their radio transmission site in Riyadh. Ampegon will deliver four 500 kW shortwave transmitters, four shortwave antennas HRS 4/4/0.5 and the BroadMaster broadcast control system. The new systems will replace existing analog transmitters with four tubes by modern analog/digital transmitters having single high power tube amplification and hence a much better overall efficiency. Saudi Broadcast Corporation has selected FGC proposal with Ampegon because of the capability of FGC to handle large projects along with Ampegon’s expertise and the reliability of their systems well known since decades. Ampegon had supplied several antenna and transmission systems in the past and feels honored to once again show presence in Saudi Arabia. The transmitters will be manufactured in Turgi, Switzerland. Factory tests together with SBC engineers are planned for autumn and shipments before end of 2014. Commissioning by an Ampegon engineer will start afterwards and the new systems are expected to be on air within summer 2015. Engineer Saleh A. Almeghaileth, Vice-President for Engineering Affairs at SBC, is extremely pleased to work together with Ampegon: “Ampegon offers a complete solution approach including transmitters, antennas, broadcast control systems and DRM integration. We trust on Ampegon’s and FGC’s experience as they had delivered shortwave transmitters in the past that still work to our full satisfaction.” (Alokesh Gupta-IND, DX SoAsia Sept 12/TopNews)

SOLOMON ISLANDS 5020.000, **SIBC** Honiara, “... Solomon Islands Broadcasting Corporation, Radio Happy Isles...”, heard with easy listening songs on Aug 30 at 1001 back from old ‘odd’ 5019.878 transmitter, to new unit in use again. S=9+10dB -63dBm signal strength, via remote SDR units down under in Queensland and Sydney. ID “Radio Happy Islands ...” at 1003. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Aug 30) 5019.88, Aug 25, 1915, SIBC seems to be back on their old frequency after being spot on 5020 for a while. Quite weak signal. On Aug 18 noted with decent audio on 5020.0 at the same time. On Aug 26 at 1915 noted using the other transmitter on 5020.00. Also on Aug 27 on 5020.00 signing on at *1858-. (Thomas Nilsson-Sweden/SWBulletin) 5020, on Sept 19 until 1200*, SIBC carrier cuts off just as I tune in within a couple seconds of 1200 UT sharp, just after MICRONESIA. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Sept 20)

9545, **SIBC**, Honiara. Fair signal with deep fades at 0355 with some enjoyable island-style pop songs. ID at 0400 then news, 8/8. (Wagner-Australia/ARDXC) Rare catch for us, 21/8 w/pop show w/DJ in EE and songs by Annie Lennox, John Bon Jovi etc. at 0340-0405 (but never they send not any answers of my letters and rec rep-s) (Pankov-Bulgaria/ARDXC) Fair w/island singing etc., until 0500*, seems regularly on this schedule, 3/8 (Seager-Australia/ARDXC)

SOUTH AFRICA *South African Radio League* on Sunday, Sept.21:

0800-0900 on 17660 MEY English
(DX Re Mix News, Bulgaria)

SPAIN The adjustment plan **RTVE** has claimed another victim: shortwave. RTVE eliminates shortwave broadcast to save 1.2 million per year and will close the center antenna Noblejas. (Slaen-Argentina/DXplorer)

SRI LANKA 9720, **SLBC**, Trincomalee, 1155-1215, Sep 03, Nihal “krishna”, I think Sri Lankan music of this program is comforting to listeners, I’m feeling frequency is correct, 34333. (Wagai-Japan/DX Window)

11905, **SLBC**, Trincomalee. New time for px called “Water Of Truth” rlg in EE 0214-0229 (noted on 5/8) on Tuesdays, ex 0230-0245. SLBC now 0115-0230 (Sat & Sun till 0330) feat. px in EE at Tue 0215, Thu 0200-0230, Sat 0300-0330, Sun 0230-0330. (Pankov-Bulgaria/ARDXC)

TAIWAN Upcoming test broadcasts of **Radio Taiwan International** of new Ampegon transmitter and revolving antennas at Tamsui, Taipei, Taiwan: 1600-1700 on October 3-5/10-12 in AM mode & October 17/18 in DRM mode. Frequency on test broadcasts will be published soon, tentative 11665. (DX Re Mix News, Bulgaria)

THAILAND 9390, pleased today (Sep 4) to receive a nice QSL directly from **Radio Thailand World Service** for their 9390 Malaysian service at 1200. Had been hounding them with at least a half dozen different airmailed reports (with email f/ups) on various different programs (EE, Malay, Viet, Cambodian, etc.) over the past three years, begging for a direct letter response from HSK9, not from IBB. These were all ignored. And then I resorted to using some of my contacts in Bangkok to intervene on my behalf. I have to feel that the good work of my friend in Bangkok, a public relations and govt contacts man extraordinaire, had an impact. He last emailed me that coincidentally a good friend of his had recently been appointed to do the PR for Radio Thailand, and this no doubt has led to them creating their own QSL! So, after years of frustration, HSK9 has now printed their own QSL card and brochure and are sending it out directly. We don't have to settle for the IBB "semi-third-party-feeling-QSL-card". (Ralph Perry-IL)

USA AJ Janitschek replying to a question about how **Radio Free Asia** in recent BBG report pushing alternative mediums: We took a hit on some SW frequencies at the end of June, but we are ramping up video production for our website and hopefully an expansion into satellite TV. Some countries, like N Korea, will need SW for a long time to come, so we will continue to produce QSL as long as they are needed/wanted at this point. I think everyone is holding their breath to see if Congress approves the joining of MBN, RFE/RL and RFA. If the International Communications Act does pass, we hope we get an improvement in our annual budget. Ours was already quite small but we'll see eh? (A.J. Janitschek/Radio Free Asia)

As of Sep 03, **WRMI** is broadcasting a new French-language European newscast at 2300-2315 on We and Th each week on 11580 beamed to North America. We would appreciate reception reports on this new program, which can be sent to info@wrmi.net (postal address: WRMI Radio Miami International, 10400 NW 240th Street, Okeechobee, Florida 34972, USA) or direct to the producers in France at con-

tact@echoofeurope.eu (postal address: Radio Echo of Europe, 09 rue de Sébastopol BP 21531, F-31015 Toulouse Cedex 6, France). (White-FL/DX Window)

Frequency changes of IBB effective from Sept.14:

Radio Liberty:

0300-0700 NF 6105 LAM Russian, ex 9635. And co-channel 0400-0500 on 6105 LAM Belarussian service of R. Liberty. (DX Re Mix News, Bulgaria)

Voice of America:

1700-1800 NF 7215 BIB Kurdish, ex 7365
1900-1930 NF 9590 SAO Arabic Afia Darfur, ex 9600
1900-2000 on 6170 BIB Kurdish from Sept.15
1900-2000 on 7215 LAM Kurdish from Sept.15
1900-2000 on 9470 LAM Kurdish from Sept.15
1900-2100 NF 7470 PHT
(DX Re Mix News, Bulgaria)

Updated schedule of **WBCQ The Planet** effective from Sept.7:

0000-0100 on 7490v English Sat
0000-0100 on 5110v English CUSB Sat
0000-0100 on 9330 English CUSB Sat
0000-0300 on 7490v English Mon-Sat Brother
Stair till Sept.30
0000-0400 on 5110v English CUSB Sun/Mon
0300-0400 on 7490v English Daily
1400-1700 on 15420 English CUSB Sat Brother
Stair till Sept.27
1700-2100 on 15420 English CUSB Daily
1900-2000 on 7490v English Tue
2000-2100 on 7490v English Mon-Fri
2100-2130 on 7490v English Sun/Mon/Fri
2100-2130 on 7490v Spanish Tue-Thu
2130-2300 on 7490v English Sun-Fri
2200-2300 on 9330 English CUSB Mon-Fri
2300-2400 on 5110v English CUSB Sat/Sun
2300-2400 on 7490v English Daily
5110v=5109.8, 7490v=7489.9.
(DX Re Mix News, Bulgaria)

Radio Africa Network – Okeechobee in an e-mail message "we are now broadcasting from Okeechobee Florida. We have moved our shortwave operations from Bata Equatorial Guinea to Florida in December of 2013. We are broadcasting from Transmitter #7 from the WRMI studios in Okeechobee Florida. The target of the signal is Africa, with a secondary

signal into Eastern North America. We are receiving a tremendous response from listeners in Africa." (Jeff Bernald, Pan American Broadcasting)

VOA Radiogram transmission schedule:

Sat 0930-1000 on 5745

Sat 1600-1630 on 17860

Sun 0230-0300 on 5745

Sun 1930-2000 on 15670

All via the Edward R. Murrow transmitting station in North Carolina. <http://voaradiogram.net/>. (Harald Kuhl-Germany/DXplorer)

VANUATU 7260, *R. Vanuatu*. Aug.1 at 0846-0902 in English and another local language. SI0343. Southern pops. ID was given at 0900. (Eiji Asaoka-Japan/Japan SW Club) 7260, *R. Vanuatu*, Port Vila. Very good with EE religious programme at 0825 on 27/8 (Adams-Australia/ARDXC) Weak 0751, just above threshold level w/muffled talks. Wasn't there the previous day. 4/8. (Seager-Australia/ARDXC)

YEMEN Radio Sana'a in English was back on short-wave after break on Aug.19

1800-1900 on 6135 ALH 50 KW
(DX Re Mix News, Bulgaria)

6135, *Rep. of Yemen R.* Sana'a, 1850-1857, Sep 04, English, was back on SW after break on Aug 19. (Ivanov-Bulgaria/DX Window)

ZANZIBAR 11735.00, *Zanzibar Broadcasting Corp.*, Dole, 1941-1943, Sep 02, local song, 55544. (Mille-France/DX Window) Also heard at 2040-2102*, Sep 12, Swahili conversation, African modern music, abrupt sign off in the middle of a song, 45333. (Petersen-Denmark/DX Window)

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

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. 

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. This group is intended for social interaction between the club members and will not be used to publish loggings, articles, or other materials that would normally appear in The Journal, the NASWA Yahoo group, or the Flashsheet. While the existence of the group is visible to all Facebook users, the online postings are available only to group members and group members must be NASWA members. Comments and suggestions from the membership are welcome. To locate the NASWA Facebook page, simply enter "North American Shortwave Association" into the search box on the top toolbar. If you are into social media, give it a try. 

Pirate Radio Report

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

We have some catching up to do. Shortwave pirate broadcasting continued at a very brisk pace during the last two months.

Shortwave broadcasting inevitably increases around major North American holidays. With Columbus Day, normally a holiday for some pirates, in October, you ought to make your plans to listen to the increased pirate broadcasting activity that is certain to appear over that holiday.

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, Pirate radio broadcasting on shortwave continues at a very brisk pace; mode is USB unless noted:

Black Bandit R. 6305 AM 2257-0005* 7/27-28/14 SIO=333. This Dutch pirate had a mix of country mx and polkas (Lobdell-MA)

Black Bandit P. 5830 AM 2315-2355 8/30/14 SIO=343. This Dutch pirate had a mix of country mx BBR IDs. (Lobdell-MA)

Black Bandit R. 5830 AM 2228-2324+ 9/19/14 SIO=343. This Dutch pirate had a mix of country mx and polkas w/SS and EE IDs. (Lobdell-MA)

Captain Morgan-6950.7 AM 0131-0158+ 7/21/14 SIO=444. This veteran classic rock pirate is frequently active (Lobdell-MA)

Captain Morgan 6924 AM 0201 7/25/14 poor. Prgm of classic rock mx (Hauser-OK)

Generation Wild 100 6925 0158-0235+ 7/26/14 SIO=444. Prgm of jazz mx (Lobdell-MA)

Generation Wild 100 6950 0152-0224 8/7/14 good OM ancr w/prgm of rock mx (D'Angelo-PA) (Taylor-WI)

Hey Joe R. 6925 0154 8/6/14 fair. Using a call of WHJR, this one had various versions

of "Hey Joe" (Taylor-WI)

Insane R. 6925 0154 8/31/14 SIO=343 Weird show of odd mx (Lobdell-MA)

MAC Shortwave 6950.4 0154 8/5/14 fair to poor. Jimmy Stewart w/prgm of very old pop mx (Taylor-WI) (Hauser-OK)

Northwoods R. 6925 0028-0120 9/3/14 SIO=444 Relay of old CKLW show of popular rock mx in the Motor City (Lobdell-MA)

Old Time R. Pirate 6770 0204-0224* 8/10/14 poor This mysterious station still relays old time radio programming (D'Angelo-PA) (Hauser-OK)

Old Time R. Pirate 6770 0153 8/12/14 poor Relay of old time radio programming (D'Angelo-PA) (Cooper-PA)

Old Time R. Pirate 3204.7 AM 0111-0135 8/19/14 SIO=232 Relay of old time radio programming (Lobdell-MA) (Cooper-PA)

Old Time R. Pirate 3394.6 AM 0920 8/23/14 fair Relay of old time radio programming (Cooper-PA)

Old Time R. Pirate 6770p AM 0021 8/24/14 poor Relay of old Amos & Andy show (Taylor-WI)

Old Time R. Pirate 6770 AM 2310 9/7/14 fair Relay of old George Burns and Gracie Allen show (Cooper-PA)

Old Time R. Pirate 6770 AM 0143-0227 9/8/14 poor Prgm of big band mx (Taylor-WI) (Hauser-OK)

Orbital Mind Control Satellite 6925 0140-0149* 7/26/14 SIO=121. Their rock mx features both OM and YL announcers (Lobdell-MA)

Over Horizon R 6990 AM 2239-2259* 8/16/14 SIO=232. Dutch pirate w/rock mx and movie mx (Lobdell-MA)

- Premier R.** 6945 AM 0040-0055* 8/17/14 SIO=232. Irish Euro w/ prgm of classic rock mx w/OM ancr. (Lobdell-MA)
- Pioneer R.** 6747 AM 2304-2344* 8/9/14 SIO=232. Dutch Euro w/ prgm of rock mx (Lobdell-MA)
- R. Borderhunter** 6925 2312-0207 8/8-9/14 SIO=343. Dutch Euro w/Frans hosting a prgm of classic rock mx (Lobdell-MA)
- R. Flying Dutchman** 6150 LSB 2310-0025 8/16-17/14 SIO=222/343. Dutch Euro w/ rock mx and variable modes (Lobdell-MA)
- R. Garbanzo** 6150 LSB 2247 9/8/14 fair Old prgm de Fearless Fred fake nx prgm at this hilarious station that's in the pirate hall of fame (Taylor-MA)
- R. Free Whatever** 6925 0142-0235* 7/27/14 SIO=252. Dick Weed w/a prgm of live rock mx (Lobdell-MA)
- R. Free Whatever** 6925 0142-0235* 7/27/14 SIO=252. Dick Weed w/a prgm of live rock mx (Lobdell-MA)
- R. Free Whatever** 6925 0250 8/10/14 fair Prgm of rock mx w/SSTV digital at close (Taylor-WI) (Cooper-PA)
- R. Free Whatever** 6940 0010-0050% 8/10/14 fair Prgm of rock mx w/SSTV digital at close (Lobdell-MA)
- R. Free Whatever** 6320 AM 2311-0021* 9/2/14 SIO=454 Dick Weed and Stavin w/ request prgm of mx (Lobdell-MA)
- R. Powerliner** 6920 AM 2335-0021+ 8/29-30/14 SIO=343 Prgm of Dutch polkas and beer drinking mx w/Dutch IDs. (Lobdell-MA)
- R. Tango Italia** 6915.6 2236-2350+ 8/8/14 SIO=232 (Taylor-WI) OM ancr on this Euro w/tango tunes and II/EE IDs (Lobdell-MA)
- R. Tango Italia** 6944.5 2239-2314+ 8/30/14 SIO=232 (Lobdell-WI) Instr tango tunes on this Euro (Lobdell-MA)
- Renegade R.** 6940 0203 9/15/14 fair Prgm of misc mx (Taylor-WI)
- Sluwe Vos** 13690 2041-2137* 7/25/14 SIO=252. This Dutch Euro normally programs classic pop and rock mx (Lobdell-MA)
- Technical Man** 13690 2354-0023 7/26-27/14 SIO=232. This Dutch Euro mixes pop oldies and polka mx (Lobdell-MA)
- Whiskey Redneck R.** 6933 0152-0221* 7/18/14 SIO=232. This country music pirate has a slogan of "the temple of the screaming electron" (Lobdell-MA)
- Whiskey Redneck R.** 6925 0152-0135 8/16/14 good Prgm of country mx w/slogan of "the temple of the screaming electron" (Hauser-OK) (Taylor-WI) (Lobdell-MA)
- Whiskey Redneck R.** 6925 0155-0213+ 8/20/14 SIO=232 Prgm of country mx w/ ancd dipole antenna (Lobdell-MA)
- Whiskey Redneck R.** 6925 0145 8/20/14 good Prgm of country mx w/ancd dipole antenna (Hauser-OK)
- Wolverine R.** 6940 0236-0301* 7/27/14 SIO=555. Prgm of rock mx w/ "dream" in the titles of all songs (Lobdell-MA)
- Wolverine R.** 6940 0123-0218* 8/11/14 SIO=454. Prgm of rock mx and SSTV digital image at close (Lobdell-MA)
- Wolverine R.** 6935 0124-0139 8/31/14 SIO=454 good Prgm of big band mx and SSTV digital image at close (Taylor-WI) (Hauser-OK)
- XLR8** 6940 0102 8/1/14 fair. Prgm of hard rock mx (Hauser-OK)
- XLR8** 6940 0231 8/5/14 fair. Prgm of punk rock and blues mx (Taylor-WI)
- XLR8** 6925 0137 8/27/14 good. Prgm of rock mx and song abt underwear (Hauser-OK)
- YHWH** 9600 0531-0609 8/17/14 fair. Religious prgm w/discussion of Bible (Hauser-OK)
- YHWH** 11595 0132 9/14/14 fair. Religious prgm (Hauser-OK) (Taylor-WI) 

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

Dear Listener,
The External Relations Department
thanks you for your reception report!

Date 9.8.72 Frequency 11900KCS and 15216KCS Type GMT 0605-0620

It has been checked and found correct.
With our best wishes, we remain.

Yours sincerely

SAHUEL L. BARTO
BOX 402 B. RD-1
MORRIS, CANN 06763

U. S. A.

Radiofréquence Télévision Française
(QSL) CARD

CHINA, PEOPLES OF: China Radio International 7350 via Kas-hi The station verified my email rpt. w/ a f/d "Jing Ethnic Minority" cd. in 21 ds. from v/s Ying Lian at the English Service. She indicated that their attempt to use my email address was "rejected". Also rcvd. some beautiful Chinese cut-outs. (D'Angelo-PA).

PHILIPPINES: Far East Broadcasting Corporation International 9430 The station verified my email rpt. w/ a much delayed email reply in 217 ds. from v/s Owen, who

resides in New Zealand. He mentioned that he has been busy w/ travel-

STATION NOTES: Radio

Nederland Email:
cartas@rnw.nl v/s
Jaime Baquena,
Speaker. **Radio New Zealand International** 13660 Addr:
RNZI, P.O. Box 123,
Wellington. v/s
Adrian Sainsbury,
QSL Manager. **Voice of Nigeria** 15120
Email: english-von

@yahoo.com Addr: Broadcasting House, P.M.B. 40003, Falomo, Ikoyi, Lagos. **Radio Pakistan** 7535 Email: cfmpbc@comsats.net.pk v/s Iftikhar Malik, Controller FM... via PLAY DX...Sam.

ГОЛОС РОССИИ
www.ruvr.ru



THE VOICE OF RUSSIA
letters@ruvr.ru

QSL Verification Card

Dear Mr. D'Angelo,

This verifies your report on the reception of the Voice of Russia's broadcast in English

Date June 11, 2009

Time 08:30 UTC

Freq 15425 kHz

We invite you to continue listening.
Please feel free to write again with
comments or questions about our programming.

Best wishes from the Voice of Russia



TARJETA QSL

Beijing

Estimado amigo:

Tenemos el agrado de confirmarle su informe de recepción de nuestra emisión en lengua española del día 15/05/09, de 22:48 a 23:20 hora UTC, por la frecuencia de 7210 KHz.

Recibiremos con mucho placer nuevos informes de recepción suyos sobre nuestros programas.

Muy atentamente.

Radio Internacional de China

CRJ 中國國際廣播電台
CHINA RADIO INTERNATIONAL

ing between Indonesia and Cambodia, where the FEBC has some very big renovation projects ongoing with our FM stations. (D'Angelo-PA).

SOUTH KOREA: KBS World Radio 11810 The station verified my email rpt. w/ a f/d "Kimjjang: Inscribed on the UNESCO's List of Intangible Cultural Heritage of Humanity in 20-13" in 49 ds. (D'Angelo-PA).



1096205

Printed
in
U.S.A.

Station KNLS - Verification of Reception
Spring To Fall Broadcast Season 2003

Card # 39 of 200

For the broadcast: QSL is issued to:

Frequency	11765kHz	Scott R. Barbour, Jr.
UTC Time	0800	PO Box 893
UTC Date	06/12/2003	Intervale NH

TAIWAN: Radio Taiwan International 7445 via Paochung
The station verified verified my postal rpt. w/ a f/d (including site) cd.
"MRT, the Symbol of Progress" in 77 ds. The station also sent along an English program schedule and a copy RTI English Service Frequencies and Broadcast Times (D'Angelo-PA).

USA: WRMI Radio Miami International via Okeechobee
The station verified my email rpt. w/ a f/d "Map" cd. in 95 ds. from v/s Jeff

White. (D'Angelo-PA). Shortwave Shindig 7570 via WRMI I received a black, white and red cd. in 141 ds. from v/s David Goren. (Wilkins-MO) ...Bill indicates that he is gearing up for the new DX Season and hoping for the best...Sam

14

This QSL verification card will confirm your reception of
1450 WILM NEWSRADIO,
Delaware's *Only* News Station!

DATE: Sunday, 4th February 2001

TIME: 05:05--05:20 U.T.C. =
00:05--00:20 E.S.T.

FREQUENCY: 1450 kiloHertz, A.M.

POWER: 1,000 watts, non-directional

FORMAT: Primarily locally originated All-News

The recipient of 10 Marconi nominations in the 1990's,
1450 WILM NEWSRADIO is one of America's **unique** radio stations, proudly serving Delaware since 1923.

I included this QSL because one of our contributors, Al Lou-dell works at WILM.



Mr. Mark Alexander Humenyk
(VE3 HMK)
26 Crestridge Heights Road
Weston, Ontario ON M9P 1A4
-- CANADA --

Wilm
Wilm

ices, 1201 Connecticut Avenue NW, Washington DC 20036 **Radio Sadaye Zindagi** 11755 Email: info@sadayezindagi.org...via PLAY DX...Sam.

This ends what appears to be a rather short QSL Column. I know you're out there so get those reports into the QSL Column...Sam

STATION NOTES: Radio Damal

11740 v/s Faith Kwambo-ka, Station Manager.
Email: yourvoice@radio damal.com Addr: P.O. Box 104638-00101, Nairobi, Kenya. **Radio Free Afghanistan** 19010 Addr: Audio Visual Office, 1201 Connecticut Avenue, NW, Washington DC 20036
Radio Free Sarawak 15420 Addr: Bruno Manser Fonds, Socinstrasse 37, CH-4051 Basel, Switzerland.
Radio Mada International 15670 v/s Christian Lehmann, Vice President GTT International. Email: radiomada.int@gmail.com
Radio Mashaal 15715 Addr: Audio Visual Off-

RIFA
RADIO FREE ASIA
WWW.RIFA.ORG

လွတ်လပ်သည့် အာရှ ကာသံ

自由亞洲電臺

자유 아시아 방송

自由亞洲電台

ဖို.ရိ.ဖ.ဒ.သ.ရ.သ.ရ.သ.ရ.သ.ရ.

فري آسيا راديو

Sam
31377

Contributors' Page

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

- Bob BROSELL**, WI
John COOPER, Lebanon, PA
Rich D'ANGELO, Wyomissing, PA
John & Sandra DAVIS, Columbus, OH
Jim EVANS, Germantown, TN
Dan FERGUSON, SC
Andre FREDETTE, Oakville, ONT
Glenn HAUSER, Enid, OK
Mike NIKOLICH, Lake Barrington, IL
Ralph PERRY, Wheaton, IL
Pamela PRODAN, Wilton, ME
Mark TAYLOR, Madison, WI
Robert WILKNER, Cedar Key, FL
- NRD-545, Eton E1, Sony ICF SW 77
WR-G33DDC CommRadio CR-1A, RF Space SDR-IQ
RX340, Alpha Delta DX Sloper
R-390 & 391As, Mackay 5050A, WJ HF-1000A
R75, ICF-SW7600G, Perseus, Eavesdropper, random wire
no equipment listed
R-75, R8B, NRD-545, MFJ-956, 65' random wire
FRG-7, DX-398/ATS-909, YB400, ICF SW-07
NRD-515, Perseus, TS450AT, ALA1530AL-2, AD Sloper
R8B, NRD-545, E1, 355' bi-dir LW
YachtBoy 400PE
Winradio g313e, E1, Sat 800, Flextenna, EWE
535D, R8. IC746Pro

2000-5900 kHz

Tropical Band Loggings

Scott Barbour • P. O. Box 893 • Intervale, NH 03845 • srbjrswi@yahoo.com

- 2325 **AUSTRALIA VL8T** Tennant Creek 1025 W anc in EE; 1028 mx then return to talk between M & W ancrs; 1035 back to M; // 2485-VL8K Katherine; 8/26. (Wilkner-FL) 1215 VL8T is audible w/ talk; 8/31. (Hauser-OK)
- 2485 **AUSTRALIA VL8K** Katherine 1040 Mx; 1045 W anc; 1046 mx bridge into M & W banter; 1048 W vcls; // 2325-VL8T; 9/9. (Wilkner-FL)
- 2850 **NORTH KOREA KCBS** Pyongyang 1201 Emphatic KK talk, as the KCBS hi-MW outlet is making it thru very poorly a bit after sunrise here at 1149; 8/15. (Hauser-OK)
- 3185 **USA WWRB** Manchester 0340 World of Radio 1736 monitoring; confirmed on WWRB, also from 0329 on webcast w/ usual blasting start before modulation lvl adjusted downward; sounds OK on 3185, but w/ lots of storm noise from Kansas; 8/229. (Hauser-OK) 0144 On w/ Brother Scare; 9/4. (Hauser-OK)
- 3260 **PNG R. Madang** Madang 1157 Carriers w/ some audio from NBC stns only on these freqs; too much storm noise from Kansas; at 1201, 3260 is in talk; 3385 in mx; at 1213, 3385 still audible, 3260 not & presumed off; 8/25. (Hauser-OK)
- 3275 **PNG R. Southern Highlands** Mendi 1053 M anc in (P) Tok Pisin; sig vanished within three minutes; poor; 8/22. (Brossell-WI) 1132 Group singing & ancmts in (P) Tok Pisin; gone in less than five minutes after t/in; poor; 9/15. (Brossell-WI)
- 3310 **BOLIVIA R. Mosoj Chaski** Cochabamba 0130 M vcls; 0132 W & M anc; 0135 f/out; poor; 8/15. (Cooper-PA) 0955-1015 Mx & talk; good sig during band scan; 8/27. (Wilkner-FL) 2325-2345 Continues to be received well; 9/12. (Wilkner-FL)
- 3320 **SOUTH AFRICA R. Soundergrense** Meyerton 0102 W & M anc in listed Afrikaans; fair; 8/12. (Cooper-PA) 0114 (P); M anc in Afrikaans w/ interview; fair; 9/2. (Taylor-WI)
- 3364.84 **BRAZIL R. Cultura** Araraquara 2320-2350 M anc in PP; weak; 9/12. (Wilkner-FL)
- 3375.1 **BRAZIL R. Municipal** São Gabriel da Cachoeira 0930-1012 M anc w/ PP talk; 9/9. (Wilkner-FL)
- 3385 **PNG-NEW BRITAIN TERRITORY R. East New Britain** Rabaul 1204 V. poor w/ continuous talk past 1211 by (P) W anc w/ (P) NBC nx; can't tell if EE or Tok Pisin; no other PNG carriers audible, maybe already off; 8/15. (Hauser-OK) 1102 M anc in (P) Tok Pisin; moderate static; fair; 8/27. (Brossell-WI) 1149 No sig from RENB; normally the strongest NBC here, so "Maus Bilong Tavurvur" knocked off by its namesake's eruption Aug 29?; is anyone hearing it at any time?; Of course, NBC stns come & go w/ much less impetus than that; I had heard 3385 last on 8/25; Ron Howard rptd 3385 went off at 1232* 8/20; 8/31. (Hauser-OK)

- 3985 **SOUTH KOREA** *Echo of Hope* Hwaseong 1213 KK talk & noise jamming; 3912 same situation-Voice of the People, from South to North; all poor sigs; the two JOZes also making it jamming-free on 3945 & 3925; 8/15. (Hauser-OK)
- 4055 **GUATEMALA** *R. Verdad* Chiquimula 0152 V. slow instrumental mx w/ guitar as the primary instrument; 0155 another instrumental; poor; 8/22. (Cooper-PA) 1100-1110 EE; "This Hour of the Bible."; 8/26. (Wilkner-FL) 1025 Fair sig going from Swedish to JJ IDs; a little stn which really appreciates the reach of shortwave; 8/28. (Hauser-OK) 0438-0519 Mx until commencement of a long drama feature; ID at 0503 before more mx selections; p-f; 8/30. (DiAngelo-PA) 1138, R. Truth w/ dramatic reading in CC, presumably Biblical, accompanied by dramatic mx; I guess their ID in CC would be Zhe-nxiǎng Dìfǎn · i (e- rendering high level tone over the e); 9/20. (Hauser-OK)
- 4319U **DIEGO GARCIA AFN** 0005 Pop Mx just before ute began at 0006; 8/29. (Wilkner-FL)
- 4409.8 **BOLIVIA** *R. Eco* Reyes 0105-0112 Locutor en español under t-storm crackle on 8/23, silent same time 8/24; 0025 noted in SS w/ fair sig; 8/28. (Wilkner-FL) 2330-2350 Noted during band scan; fair; 9/6-9. (Wilkner-FL)
- 4699.9 **BOLIVIA** *R. San Miguel* Riberalta [UTC?-ed.] En español; seems always on before 4716 R. Yura though sig never as strong; 9/9. (Wilkner-FL)
- 4716.65 **BOLIVIA** *R. Yura* Yura 2330-2344 Mx; good; 8/24. (Wilkner-FL) 4716.7 0034 Some mx audible here from R. Yura; still at 0114 when I measure the yurnique freq. approx; 9/12. (Hauser-OK)
- 4755 **BRAZIL** *R. Imaculada Conceicao* Campo Grande 0157 (P); W vcls; 0202 M anc over mx; 0203 M & W ancrs; poor; 8/20. (Cooper-PA)
- 4755.54 **MICRONESIA** *V6MP The Cross* Pohnpei 1156 Poor sig but better than usual & much stronger than also on 4750, w/ "inspirational" mx; some lite almost co-ch. SSB QRM, probably MARS; no DTMF tones heard & stays on the air; 1200 w/ EE devotional ancmt including a .org reference; 1222 still w/ mx; 1225 EE ancmt; 1228 still there; stepping 1 kHz back & forth on the zeroed BFO of the YB-400, I can tell that V6MP is slightly closer to 4756 than 4755; 8/31. (Hauser-OK) 1123 Forceful sermon delivered by M anc; fair; 9/2. (Brossell-WI) 4755 1125-1140 Readable sig this morning w/ M preacher; I wish I would have tuned in about 10 minutes earlier, because I suspect the sig would have been stronger; I have been trying to get a good recording of this stn for over a year; 9/21. (Nikolich-IL)
- 4760 **LIBERIA** *ELWA Radio* Monrovia 2330-2345 (P); Noted here w/ weak audio; 9/12. (Wilkner-FL)
- 4765 **CUBA** *R. Progreso* 0134-0140 Lively small ensemble mx; ID at 0139; 0140 traditional mx to 0200; M anc over version of Beatles' I And I Love Her;" f-g; 8/26. (Prodan-ME) 0035 R. Progreso is AWOL; still off at 0050, but on by third check at 0112; the night before it popped on promptly at *0030; 9/11. (Hauser-OK)
- 4775 **PERU** *R. Tarma* Tarma 1008-1032 M anc in SS w/ lively morning mx prg; OA vcls; ID; TC & ancmts; p-f but quite noisy by t/out; 9/1. (DiAngelo-PA)
- 4800 **CHINA** *CNR-1* Geermu 1136 M & W ancrs in CC w/ alternating talk; fair; 8/30 & 9/20. (Taylor-WI)
- 4805 **BRAZIL** *R. Difusora do Amazonas* Manaus 0105-0115 Returned after 4 or five days silent; 8/23. (Wilkner-FL) 0934 (P); M anc w/ talk; poor; 9/8. (Cooper-PA)
- 4810 **PERU** *R. Logos* Chazuta 0149 Trace of audio vs CODAR; LSB tuning essential vs the uteblob on hi side; usually I can only detect a carrier here; 1kW; 8/13. (Hauser-OK) 0940-1000 Vclist w/ Andean mx; good; 8/23. (Wilkner-FL)
- 4835 **AUSTRALIA** *VL8A* Alice Springs 1200 Bulletin of world nx; fair under heavy static; 8/19. (Brossell-WI) 1148 Selection of top Australian hits; f-g & best in LSB to avoid WWCR-4840; 9/20. (Brossell-WI)
- 4835 **PERU** *Ondas del Suroriente* Quillabamba 2335-2355 SS mx & talk; 9/12. (Wilkner-FL)
- 4870 **INDONESIA** *RRI Wamena* 1202 (P); Noted here w/ talk; lower modulation lvl than 4755 PMA, but roughly equal sigs; 8/31. (Hauser-OK) 1122 M anc in Indo; poor; 9/15. (Brossell-WI)
- 4875 **BRAZIL** *R. Difusora Roraima* Boa Vista 0112 Mx w/ W vcls; poor; 8/12. (Cooper-PA) 0942 M ancrs w/ talk; M vcl at 0945; poor; 9/8. (Cooper-PA) 0118 Mellow PP mx; poor; 9/13. (Taylor-WI)
- 4905 **TIBET** *Xizang PBS* Lhasa 2330 W anc in vern.; first time 4905 not covered by RTTY; // 4920 Xizang; 9/12. (Wilkner-FL)
- 4915 **BRAZIL** *R. Daqui* Goiania 0009-0022 (P); M anc w/ spirited PP talk followed by vcl selection; talk noted again at 0017 but poor sig & noisy conditions made getting an ID impossible tonight; may have gone off or just lost in the noise; 8/14. (DiAngelo-PA)
- 4940 **CHINA** *V. of the Strait* Fuzhou 1111 M anc in CC; poor; 8/20. (Brossell-WI) 1124 (P); M anc in CC w/ lengthy talk; poor; 8/23. (Taylor-WI) 1140 Prg of contemporary CC mx w/ W anc; fair; 8/30. (Taylor-WI) 1115 M anc in CC; poor & hampered further by static; 9/8. (Brossell-WI)
- 4985.5 **PERU** *R. Voz Cristiana* Huancayo 2330-2350 M anc in espanol w/ massive RTTY on 4985 making reception difficult; 9/12. (Wilkner-FL)
- 4990 **SURINAME** *R. Apintie* Paramaribo 0930-0945 (P); Noted here w/ some audio; 8/26 & 9/9. (Wilkner-FL)

- 5020 **SOLOMON ISLANDS *SIBC*** Honiara 1103 World nx; (P) a relay from the BBC; f-p; 8/20. (Brossell-WI) 1153 Some talk modulation audible; 8/31. (Hauser-OK) 1157 Noted w/talk; 1158 mx, maybe NA; cut off at 1159:52.5*; Cuban splash from 5025 is worsening w/ our latening sunrises; v. poor; 9/3. (Hauser-OK) 1156 V. poor w/ some "island mx"; after timing the MICRONESIA cutoff I hurry back here and catch 5020 itself cutting off at 1159:53.5* compared to WWV; 9/20. (Hauser-OK)
- 5025 **CUBA R. *Rebelde*** Havana 1115-1135 Traditional sounding mx; 1135 1940-ish dance mx; fair; 8/10. (Prodan-ME)
- 5040 **CUBA *RHC*** Havana 0248 RHC in wrong lang, EE instead of SS; so // 6000 & 6165; others really are in Spanish: 6060, 6070, 9810, 11670, [11760 off again], 11840 & 13740; 9/11. (Hauser-OK)
- 5050 **USA *WWRB*** Manchester 0114 Bro. Scare as I tune across is on his ego-trip about MW outlets; 8/16. (Hauser-OK) 0102 Both WWRB txmitters are off (and not prolonged on 9370 either), so this bodes ill for World of Radio later; yes, by 0300, only 5050 is on with BS; evidently a single txmitter is currently operational instead of two; the other three 100 kW have been unusable for a long time; 0540 check, the BS has switched to 3185 as usual after 0500; 8/22. (Hauser-OK) 0108 Brother Scare is breaking up badly w/ extraneous noises on WWRB; but it's a BS problem as the same thing is happening on 7570 WRMI; 8/31. (Hauser-OK)
- 5085 **USA *WTWW*** Lebanon 0126 Both WTWW-2 & 12105 WTWW-3 are off, but 9475, WTWW-1 remains on; 3 has been off for several days already, now joined by 2. 5085 & 9930 are off at 1217 Aug 25, while 5830 is on; they are obviously suffering critical technical/operational problems; 8/25. (Hauser-OK) 0546, BS is back on here w/ crackle; after WTWW-2 missing for several days; could it be the #3 txmitter on new freq? 9/7. (Hauser-OK)
- 5580.2 **BOLIVIA R. *San José*** San José de Chiquitos 2335-2350 Noted here w/ weak sig; 9/4 & 6. (Wilkner-FL)
- 5850 **USA *WRMI*** Okeechobee 1026 Extra txmission tacked on to TruNews multi-hour b/cast; now w/ "European News Net"; good sig; sked now shows for 5850 at 1015-1030: "EuNews Net" on Tue & Thu (Tue being a repeat of last week?); "Viva Miami" (or Okeechobee) M/W/F; Iso Sat 1000-1030 "Wavescan"; 8/28. (Hauser-OK)
- 5110v **USA *WBCQ*** Monticello 0300 CUSB; World of Radio 1734 monitoring: confirmed on Area 51 web-cast & via WBCQ; lots of noise on lower bands, from storms over central Nebraska into northern Kansas; 8/18. (Hauser-OK)
- 5810 **USA *WEWN*** Vandiver 0132 WEWN is off; barely audible on 11870 & not on 11520 either; 9/4. (Hauser-OK)
- 5875 **THAILAND R. *Thailand*** Udon Thani 1108-1120 W ancr in listed Khmer; good; 8/13 & 27. (Brossell-WI) 

5901-30000 kHz

International Band Loggings

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

- 5910 **COLOMBIA *Alcaravan Radio*** Puerto Lleras, 0010-0035 Aug 18, woman announcer with Spanish talk, IDs and brief announcements hosting a program of Latin music and vocals. Fair. (D'Angelo-PA)
- 5950 **ETHIOPIA *Voice of Tigray Revolution*** Addis Ababa, *0256-0336 Sep 6, familiar IS followed by a man announcer with opening at 0300 in listed Tigrinya language. Short news items before music programming opened at 0304. Fair signal. (D'Angelo-PA)
- 5960 **KUWAIT *Radio Kuwait*** 0233 GMT, Aug 21st, SINPO 34333 good, man singing followed by instructions in Arabic. (Fredette-Ontario)
- 5970 **BRAZIL *Radio Itatiaia*** Belo Horizonte, 2337-0016 Aug 6, talks by several men in Portuguese language with a couple of IDs; re-tuned after top of the hour and heard fast paced football action. Poor at first but much improved after 0000. (D'Angelo-PA)
- 5970 **BRAZIL *Radio Itatiaia*** Belo Horizonte, 2305-2341 Sep 5, man announcer in Portuguese hosting music program followed by ID and beginning of a long talk. Fair. (D'Angelo-PA)
- 5995 **MALI *Radio Television du Mali*** Bamako, 2351-0001* Aug 6, music program hosted by a woman announcer with French language talk. Closedown at 2359 followed by orchestra national anthem. Poor. (D'Angelo-PA)
- 6000 **CUBA *Radio Habana Cuba*** 1122- f & m ann alternating with station ID; musical fillers; m talking about programs and targets of broadcast; 1128 more Ids & promos - "RHC presente..."; fair 8/10 (Prodan-ME)
- 6020 **ALBANIA *China Radio International*** 0025 to 0031 with an ID at 0030, a male announcer talked about the economic crisis that began in 2008, how the economic problems in the US slowed the world economy, and how safeguards need to be established to protect the world economy in the future. 9/10. (Davis-OH)

- 1110 **ETHIOPIA Radio Fana** Addis Ababa, *0254-0334 Sep 6, IS with opening ID at 0258 followed by music fanfare and a woman announcer with ID and opening announcements. Into a program of Horn of Africa vocals. Fair signal. (D'Angelo-PA)
- 1134 **BRAZIL Radio Aparecida** 0140-0210 Sep 6, two men with a religious discussion in Portuguese followed by choir singing. Nice ID at 0200 with many station outlets mentioned. I thought this would be closedown but programming continued. Fair at peaks here but //11855 was good. (D'Angelo-PA)
- 1135 **BRAZIL Radio Apercida** 2332-0004 Aug 13, man announcer with Portuguese talk hosting a program of Brazilian vocals. ID noted at 2342 followed by several announcements. Poor to fair at tune in but seemed to be deteriorating as probably Radio Santa Cruz picked up strength providing louder and louder het over time. (D'Angelo-PA)
- 1135 **BRAZIL Radio Aparecida** Brazil 0150 GMT, Aug 23th, SINPO 33233 fair, Portuguese music followed by man and woman having a discussion. (Fredette-Ontario)
- 1155 **SPAIN Radio Exterior de España** Noblejas, 2319-2357* Aug 30, woman announcer with French language talks hosting a pop music program. Time pips at 2330 over music. Nice ID and close-down announcements from 2355 followed by IS until carrier terminated. Fair. (D'Angelo-PA)
- 1160 **CANADA CKZN** St. Johns, 2308-2325 Aug 21, man with news in English followed by "CBC News" ID and weather forecast for region. "CBC Radio 1" ID followed by news features hosted by a woman talking about ISIS recruitment. Fair. (D'Angelo-PA)
- 1160 **CANADA CKZN** St Johns, Nfld 2333-0100 Randy Bachman's "Vinyl Tap" today's theme "Bop and Hop;" followed at 0105 by "Saturday Night Blues" with Holger Peterson; good until 0140 when overwhelmed by RHC on 6165 8/23-24 (Prodan-ME)
- 6165 **CUBA Radio Havana Cuba** 0140-0200 English; Cuban jazz; good 8/24 (Prodan-ME)
- 6175 **ALBANIA China Radio International** Cerrik, 2307-2332 Aug 6, man and woman talking in Spanish language, frequent IDs, announcements, etc. Fair to good. (D'Angelo-PA)
- 6185 **MEXICO XEPPM** Aug 16 at 0552, wild jazz as XEPPM is still on way beyond its nominal 0500*. Aug 17, already off at 0535 check (Glenn Hauser, OK, DX LISTENING DIGEST)
- 6770 **US PIRATE Old Time Radio Pirate** 0204-0224 Aug 7, Abbott and Costello routine and other vintage radio broadcast material. Fair to good at tune in but slowly deteriorating. (D'Angelo-PA)
- 6770 **US PIRATE Old Time Vintage Radio** 2308-2341 Aug 13, noted with Vitalis commercial followed by Burns and Allen radio program. More ads at 2319. Fair at tune in but slowly deteriorating signal. (D'Angelo-PA)
- 6940 **US PIRATE Wolverine Radio** Pirate, 0135 GMT, Aug 10th, 44544 very good, Songs "summertime Blues", "One summer night", "My gal is red hot", "Heat wave", "In the heat of the night", "summer time in the city". (Fredette-Ontario)
- 6945 **US PIRATE Unid** 0151 GMT, Aug 9th, 34232 fair-poor, not intelligible, not sure what language, with background music and a lot of echo on the voices. Country and Western music. Possibly two signals on same frequency on LSB. (Fredette-Ontario)
- 6950 **US PIRATE Wild** 100, USB 0152-0215 Aug 7, rock music program with several IDs such as "This is generation Wild, 100" by a male announcer. Good signal. (D'Angelo-PA)
- 6950 **US PIRATE Wolverine Radio** 0139 GMT, Aug 17th, SINPO 45444 very good, "Those things money can't buy" various other songs with theme of money, ID at 0142. (Fredette-Ontario)
- 7255 **NIGERIA Voice of Nigeria** Ikorodu (presumed), 2256-2300* Aug 6, caught final instrumental music until carrier terminated ending broadcast. Scheduled in Hausa language but did not hear any talk. Poor to fair. (D'Angelo-PA)
- 7260 **CHINA China Radio International** Urumqi, 2232-2257* Aug 13, Portuguese service with music program hosted by a man and woman announcing team. D at 2256 with closedown announcements over instrumental music. Carrier cut at 2257. Fair. (D'Angelo-PA)
- 7275 **SPAIN Radio Exterior de Espana** Noblejas, 2138-2158* Aug 17, drama program with man talking in Spanish language accompanied by instrumental music. At 2155 man announcer gave ID and closedown announcements followed by IS until carrier cut. Fair to good. (D'Angelo-PA)
- 7275 **SPAIN Radio Exterior de España** Noblejas, 2226-2258* Aug 30, sounded like live coverage of futbol match with several male announcers in Spanish covering the event. Heard a "Radio Nacional" ID during coverage. Re-check at 2258 and they were gone so missed closedown. Good signal. (D'Angelo-PA)
- 7295 **ALGERIA [non] RTA** Aug 21 at 0530, RTA via FRANCE has good signal, but unusually flutter and echo (back scatter? Long path?) due to propagation disturbance; WWV reports, "The estimated planetary K-index at 0600 UTC on 21 August was 3. No space weather storms were observed for the past 24 hours" (Glenn Hauser, OK, DX LISTENING DIGEST)
- 7350 **CHINA China Radio International** Kashi, 0033-0057* Aug 7, English service program with male host interviewing London businessman who has been living in China for 10 years. Into Chinese language lesson hosted by a man and woman announcers at 0055 which was cut off early when transmission was terminated mid-lesson. Fair. (D'Angelo-PA)

- 7395 **MADAGASCAR Radio Japan** Talata Volonondry, 0346-0400* Aug 23, Japanese language program with a woman announcer ID and closedown announcements at 0358 over light instrumental music. Good signal. (D'Angelo-PA)
- 7495 **FRANCE Radio Algerienne** Issoudun, 2202-2300* Sep 1, tuned in to French language news prior to the commencement of the Arabic program at 2205 with recitations. ID at 2254 followed by frequency announcements. Fair. (D'Angelo-PA)
- 9295 **SWEDEN Radio Nord Revival** Ringvalla, Sala, 2206-2240 Aug 23 and 0011-0054 Aug 24, male announcer with Swedish talk playing old time musical selections, most in Swedish. (D'Angelo-PA)
- 9390 **UZBEKISTAN IBRA Radio** Tashkent, 0005-0030* Sep 6, flute music before long talk by a woman announcer in listed Bengali language. She was soon joined by a male announcer. Discussion continued for about 15 minutes before some music. Closed at 0029 with brief instrumental music prior to carrier being terminated. (D'Angelo-PA)
- 9420 **GREECE Voice of Greece** 0124 GMT, Aug 23th, SINPO 34433, good. Man and woman speaking in Greek. (Fredette-Ontario)
- 9475 **AUSTRALIA Radio Australia** 1134+ talking about high level of disease; fair-poor, but same program good on 9580 and 12065 8/10 (Prodan-ME)
- 9490 **UNID Radio Republica** 0233GMT Aug 16th, SINPO 34223 fair, ID at 0233 Spanish announcer, mainly announcements. (Fredette-Ontario)
- 9526 **INDONESIA Voice of Indonesia** Sept 7 at 1251 songs from VOI, fair signal and even fair modulation! But still can't tell whether lyric in Indonesian or Japanese, nominal language during this hour. Seems second half or third of most VOI external language hours are mostly-music. 1303 news in English, but too weak to follow now (Glenn Hauser, OK, DX LISTENING DIGEST)
- 9555 **SAUDI ARABIA Broadcasting Service of the Kingdom of Saudi Arabia** 2255-2300* Aug 21, man announcer with Arabic talk over instrumental music followed by a man and woman talking. Vocals soon thereafter. News with music bridges between items prior to carrier terminated at 2300. Fair to good and //9870 which was poor to fair. (D'Angelo-PA)
- 9575 **MOROCCO Radio Medi Un** Nabor, 0426-0451 Sep 1, popular music program with ID at 0430 and news in French language. Man announcer began hosting pop music program after the news at 0434. Fair. (D'Angelo-PA)
- 9580 **AUSTRALIA Radio Australia** 12065, etc., Aug 21 before 1400, R. Australia again with variety of world music (Glenn Hauser, OK, DX LISTENING 6135 VATICAN.
- 9580 **AUSTRALIA Radio Australia** 1232 GMT, Aug 27th, SINPO 45434 very good, News: economic news and weather in Australia. (Fredette-Ontario)
- 9580 **AUSTRALIA Radio Australia** 0844- Turkish presidential election, US Secy of Defense visits Australia, employment situation in Australia & international worker program; very good 8/11 (Prodan-ME)
- 9615 **TAIWAN Radio Taiwan International** Kouhu (presumed), 2244-2300* Aug 25, Program mainly of long Chinese language talks with some musical breaks. Instrumental music at close followed by time pips. Appeared to sign off although it may have just disappeared in the noise. Poor. (D'Angelo-PA)
- 9690 **NIGERIA Voice of Nigeria** Ikorodu, 2036-2156* Aug 30, several men participating in an excited discussion in listed Hausa language. ID at 2155 followed by African vocal selection before carrier terminated. Fair. (D'Angelo-PA)
- 9700 **NEW ZEALAND Radio New Zealand** 1056 GMT, Aug 16th, 45444 very good, ID and sign off at 1058, signed back on at 1059 but slightly weaker signal. 45344 good, Presume there was an adjustment in antenna direction. News: local helicopter crash, more noise level after. (Fredette-Ontario)
- 9700 **NEW ZEALAND Radio New Zealand International** 0806 to 0832 with an ID at 0816, SINPO =4,5,4,3,4, I listened to part of the Saturday Night program, a music request show. I liked the songs by the Righteous Brothers and Dusty Springfield. 8/30. (Davis-OH)
- 9705 **INDIA (Goa) All India Radio** Panaji, 2316-0045* Sep 1, program of continuous Hindi vocals until ID at 2329 by a woman announce rand some talk in English. More music programming until news at 0030. Closedown ID and announcements at 0043. Poor. (D'Angelo-PA)
- 9845 **ALBANIA Radio Tirana** at 0134, on 30 July. A male announcer is giving a business report on investments according to an Albanian government plan. The announcer talked about energy issues with electricity production. Good. (Cooper, PA)
- 9845 **ALBANIA Radio Tirana** Albania, 0130 GMT, Aug. 23th, SINPO 34433, ID at 0130 news information on bank of Albania and politics. More information on Albanian development. News on busts of drug gangs followed by music. Clear signal but a bit weak. (Fredette-Ontario)
- 9850 **CUBA Radio Havana Cuba** 1102- Spanish; m Ann giving all frequencies & times; 1105- f Ann giving news from Venezuela, Costa Rica, Iran; good 8/24 (Prodan-ME)
- 9860 **IRAN VR7I** Aug 16 at 0120, VR7I, Spanish, fair with flutter, but way under modulated compared to // 12025 which is much weaker signal. Too much Cuba on 11760 to detect whether Iran is still there too (Glenn Hauser, OK, DX LISTENING DIGEST)

- 9900 **UZBEKISTAN TWR India** at 0115, on 30 July. A female announcer was speaking at 0115 followed by a male announcer who gave out a PO address for correspondence in English. A song played at 0120. The listed language was Dzonka. The station went off the air as listed at 0130. Fair. (Cooper, PA)
- 9900 **UNITED ARAB EMIRATES Radio Australia** tentative, 2324 to 2330, no ID, the transmitter just went QRT, the location came from an Internet website, SINFO=2,5,3,3,2, the "overall" was reduced because of the weak signal. I heard a part of a discussion about people who always pay their taxes, and then those who do not. 9/9. (Davis-OH)
- 9915 **ARMENIA BBC** at 0123, on 30 July. A male and a female announcer are talking in what sounds like a news report. There was a live feed at 0124 with another male voice talking. At 0125 a new male voice came on. Fair. (Cooper, PA)
- 9915 **UNITED KINGDOM BBC World Service** 2129GMT Aug 8th SINPO 45444 good, Program aimed at Africa from Ascension. Discussion on African writing... News about dam in Iraq controlled by terrorists. US airstrikes on terrorists in Iraq. UN condemns Israel and Hamas on restarting the war. Number of children trying to enter USA reduced. (Fredette-Ontario)
- 9935 **GREECE Helliniki Radiophonia** at 0212, on 1 Aug. Station is playing a song in Greek with a male singer. At 0215 the song was over followed by another song with a male singer. At 0119 a new song is playing with a male singer. Fair. (Cooper, PA)
- 9955 **UNITED STATES Radio France International** Okeechobee, 0404-0427 Sep 6, woman announcer with news in English. I can't remember the last time I heard English news from RFI. French news from 0413 followed by Sports News and Technology News with several IDs and TC ("It's 6 - 16 here in Paris"). Fair to good signal with occasional deep fades. (D'Angelo-PA)
- 9955 **UNITED STATES WRMI, Radio France International** (RFI) from approximately 0410 to 0423 with an ID at 0413, SINFO=5,5,5,5,5, the Paris Live program, I learned that ten Arab countries will side with the USA against ISIS, the Kaito 1103 and its telescoping antenna. 9/12. (Davis-OH)
- 9955 **UNITED STATES WRMI** Okeechobee, FL 0126- heard "this is Radio Canada International" a couple times in English, with tones, then "ici Radio Canada International" - French, then Spanish & other languages; by 0129 music, like flamenco; at 0130 m ann Spanish "Radio Miami International ... Estados Unidos;" and at 0131 "saludos amigos" and music; fair-good 8/26 (Prodan-ME)
- 9965 **EGYPT Radio Cairo** at 0120, on 30 July. A female announcer is talking. The station still is producing a very loud hum in the background. Fair. (Cooper, PA)
- 9965 **EGYPT Radio Cairo** 0347-0420 Aug 21, Egyptian vocals followed by a woman announcer with Arabic language talk. 3+1 time pips at 0400, ID by a woman and news. Arabic vocals from 0404. More time pips at 0415. Good signal but poorly modulated signal. (D'Angelo-PA)
- 11510 **MOLDOVA Radyoya Denge Kurdistane** at 0510, on 3 Aug. The station is playing a song with a male singer. The song ended at 0515 followed by a male speaker chanting. Poor. (Cooper, PA)
- 11580 **USA WRMI** English 1158+ Bro Stair giving contact info; 1200 WRMI station ID & address; good 8/26 (Prodan-ME)
- 11590 **UZBEKISTAN NHK Radio Japan** at 0114, on 30 July. A male announcer is speaking in listed language of Hindi. A female is also speaking occasionally. Poor. (Cooper, PA)
- 11620 **INDIA All India Radio** at 0111, on 30 July. The station is playing a selection of traditional Indian music. A male announcer came on and spoke at 0113. Fair. (Cooper, PA)
- 11620 **INDIA All India Radio** Bengaluru, 0033-0135 Sep 6, nice program of Hindi vocals hosted by a man announcer with talks in listed Urdu language. Good ID at 0044 followed by another man with a long talk. Fair to good signal. (D'Angelo-PA)
- 11650 **VATICAN Radio Dabanga** at 0516, on 3 Aug. A male is speaking followed by a brief musical interlude. A male then started speaking very fast to another male announcer in Arabic. At 0520 a musical interlude followed by a telephone ringing and then another male speaking to the announcer in Arabic. Fair. (Cooper, PA)
- 11650 **CHINA China Radio International** Urumqi 1155-1158+ English m giving Chinese lessons; faint becoming poor 8/26 (Prodan-ME)
- 11660 **CHINA China Radio International** Kashi, 2210-2227* Aug 13, French service with talk by a man and woman followed by some light instrumental music. The man gave closing ID and announcements prior to some Chinese instrumental music until the carrier was terminated at 2227. Poor to fair. (D'Angelo-PA)
- 11660 **CHINA China Radio International** Kashi, 2218-2227* Aug 17, man and woman with French language talk until 2225 another man with ID and closedown announcements followed by Chinese instrumental music until carrier was terminated. Fair. (D'Angelo-PA)
- 11665 **MALAYSIA Radio-Television Malaysia** Aug 15 at 1233, better signal than separate 9835, pop music, 1234 Malay announcement, ID as "Radio-Television Malaysia"; 1300 news by YL about 2 seconds behind 9835 as the two have joined for news on the hour. (Glenn Hauser, OK, DX LISTENING DIGEST)

- 11710 **ARGENTINA Radio Argentina Exterior** at 0210, on 6 Aug. A song was playing until 0215 when a male speaker came on and started speaking in English. He gave a station ID, and then the news. Fair. (Cooper, PA)
- 11710 **ARGENTINA Radio Argentina Exterior** 46 approx., Sept 6 at 0136, RAE weak in Japanese, without QahiraRM, and closer to nominal 11710 than usual (Glenn Hauser, OK, DX LISTENING DIGEST)
- 11730 **JAPAN [non] NHK** Aug 16 at 0544, NHK French via FRANCE to Africa with novelty song, no CCI, now that WRMI has moved its 24-hour BS to 11580. It so happens that WRMI was aiming right at France, and may have got in around the skip zone from Issoudun, but never a good idea to try that tactic. Anyhow, Jeff White says the target of 11730/11580 is eastern North America although using the 44 degree beam toward Europe, which is about 25 degrees off (Glenn Hauser, OK, DX LISTENING DIGEST)
- 11735 **ZANZIBAR Zanzibar Broadcasting Corporation** (presumed) 2044-2059* Aug 30, a program of continuous African vocals until carrier terminated at 2059. Fair signal. (D'Angelo-PA)
- 11745 **KUWAIT Radio Free Asia** at 0235, on 31 July. A male is speaking in presumed listed language of Tibetan. A female is speaking at 0237 followed by the male voice at 0237 Fair. (Cooper, PA)
- 11750 **VATICAN Voice of America** Santa Maria di Galeria, 0349-0359* Aug 9, man announcer with talk in listed Somali language followed by female Horn of Africa vocals. Closedown announcements over music followed by a man announcer in English: "This program has come to you from the Voice of America, Washington" with the carrier terminated afterward. Fair. (D'Angelo-PA)
- 11760 **CUBA Radio Havana Cuba** 1155-1158 Spanish; m Ann station ID; fair 8/30 (Prodan-ME)
- 11765 **BRAZIL Radio Tupi/Super Radio Deus e Amor** at 0204, on 6 Aug, a female is singing a song followed by a male speaking at 0206. He sounds like he is preaching with the tone of his voice at 0209. Fair. (Cooper, PA)
- 11765 **FRANCE Radio Algerienne** via Issoudun, 2014-2059* Aug 10, recitations followed by man announcer with Arabic talk followed by female vocals. At 2054 a man with ID and times/frequencies in Arabic followed by same in French language over instrumental music. Fair. (D'Angelo-PA)
- 11780 **BRAZIL Radio Nacional Brasilia** at 0059, on 30 July. A male announcer gave a station ID and then started giving what sounded like a news report with Brazil being mentioned several times. Good. (Cooper, PA)
- 11800 **RWANDA Deutsche Welle** at 0523, on 3 Aug. The station is broadcasting the news in English about violence in Libya. The announcer stated it was important that the international community knows what is going on in the country. Good. (Cooper, PA)
- 11815 **BRAZIL Radio Brazil Central** at 0055, on 30 July. The station is playing a pop song. At 0057 a male announcer is talking. A female and another male started talking at 0059. Fair. (Cooper, PA)
- 11815 **BRAZIL Radio Brasil Central** Goiânia, 0015-0042 Aug 31, man announcer with Portuguese talks, ID hosting pop music program with Ritchie Valens "La Bamba" played. Many IDs and TCs alternating with music selections. Fair. (D'Angelo-PA)
- 11855 **BRAZIL Radio Aparecida** at 0155, on 6 Aug. A song was playing until 0158 when a male voice came on and started speaking. Station went off the air at 0200. It was scheduled to broadcast until 0310? Fair. (Cooper, PA)
- 11855 **BRAZIL Radio Aparecida** 0003-0036 Aug 31, woman announcer hosting music program until a man began a long religious talk shortly after formal canned ID. Fair to good. (D'Angelo-PA)
- 11860 **CUBA Radio Havana Cuba** 1127-1130 Spanish; f Ann, then m Ann at 1128 with ID & giving languages of broadcasts - "R-R-R-Radio Habana Cuba;" very good 8/26 (Prodan-ME)
- 11875 **CHINA China Radio International** Kunming 1131- Chinese m - sounds like dramatization; 1136 song (f); fair-good 8/26 (Prodan-ME)
- 11915 **BRAZIL. Radio Gaucha** P Alegre, at 0234, on 3 Aug. A male is talking with another male who appears to be answering questions. Poor. (Cooper, PA)
- 11935 **CHINA China Radio International** Shijiazhuang 1142-1145+ Russian - m Ann; fair 8/26 (Prodan-ME)
- 11946 **PHILIPPINES Radio Veritas Asia** 1144-1148 "inspirational" music; fair-poor 8/26 (Prodan-ME)
- 11955 **ROMANIA Radio Romania International** at 0052, on 30 July. A cooking program is on with recipes being given in English. A Station ID was given at 0062 with the next program being "On Point." Good. (Cooper, PA)
- 11980 **TURKEY Voice of Turkey** at 0527, on 3 Aug. The station is playing a slow song with a male and a female taking turns singing lead. At 0528 the song ended with a female speaking briefly and then another song started playing with a female singer. Good. (Cooper, PA)
- 11995 **FRANCE Radio Taiwan International** at 0240, on 31 July. Two female speakers are talking in listed language of Spanish. They are both speaking pretty fast. Good. (Cooper, PA)
- 11995 **FRANCE Radio France International** Issoudun, 2056-2100* Aug 17, man announcer talking in French language until a man and woman gave ID and closedown announcements with carrier terminated at 2100. Fair. (D'Angelo-PA)

- 2005 **UNITED KINGDOM *Voice of Vietnam*** at 0244, on 31 July. A male speaker is talking in English. He is presenting news about business opportunities in Vietnam. A female speaker came on and started talking about how the Republic of Korea is one of the largest investors in Vietnam. Good, (Cooper, PA)
- 2010 **CUBA *Radio Havana Cuba*** Spanish 1153+ f Ann; poor-fair 8/26 (Prodan-ME)
- 2035 **KUWAIT *VOA Deewa Radio*** at 0225, on 1 Aug. The station is playing a song with a female singer. At 0227, a male and a female started talking. This was followed by a male coming on and speaking also. Fair. (Cooper, PA)
- 2065 **AUSTRALIA *Radio Australia*** 1151 GMT, Aug 23th, SINPO 44334 very good, a soccer or rugby matches being broadcast live. (Fredette-Ontario)
- 2065 **AUSTRALIA *Radio Australia*** 1305-1349 long thorough report on Central American violence, history of US role in the region & current immigration crisis; good, fading by end 8/11; 1050-1100 English; program of odd questions & answers, followed by news at 11; good (same on 9580 not quite as clear) 8/24 (Prodan-ME)
- 2070 **EGYPT *Radio Cairo*** Aug 22 at 0055, R. Cairo Spanish is off. 11710, Aug 22 at 0055, poor signal hetting RAE, presumably Cairo. (Glenn Hauser, OK, DX LISTENING DIGEST)
- 2070 **EGYPT *Radio Cairo*** Sept 7 at 0116, R. Cairo Spanish, good signal, extremely distorted with rumble, "Radio Cairo presenta [with tango theme] Voces de la América Latina". What a way to drive away listeners (Glenn Hauser, OK, DX LISTENING DIGEST)
- 2095 **SINGAPORE *BBC*** at 0040, on 30 July. BBCWS has a male announcer talking about issues in China along with a female announcer talking also. The program is in English. Poor. (Cooper, PA)
- 13840 **SRI LANKA *VOA-Deewa Radio*** at 0139, on 6 Aug. A song is playing with a male voice singing in presumed language of Pashto. At 0140 a male and a female are talking with music in the background. Poor. (Cooper, PA)
- 15040 **INDIA *All India Radio*** Delhi (Khampur), 1311-1315*. Pop music with a female vocalist. Talk in Burmese by a man at 1314. Announcements by a woman at 1315, then end of transmission. Moderate signal strength with minor fading. 9/1/2014 (Evans - TN)
- 15090 **KUWAIT *Radio Azadi*** Umm Al-Rimam, 1316-1318. Talk in Dari by a woman. Background music. Weak signal with minor fading. 9/1/2014 (Evans - TN)
- 15120 **INDIA *All India Radio*** at 0225, on 3 Aug. A female singer is singing a song in presumed listed language of Kannada. At 0226 a male came on and is talking. Fair. (Cooper, PA)
- 15130 **ROMANIA *Radio Romania International*** 1513-1516 Romanian; m ann sports report; station IDs at 1516; good 8/10; 1158-1200 Romanian; dramatic orchestral music leading to m ann station ID; fair with fades 8/30 (Prodan-ME)
- 15140 **OMAN *Radio Sultanate of Oman*** 2139-2159* Aug 13, program of Arabic language vocals hosted by a female announcer with Arabic language talks. Program ended around 2145 followed by a man with a long talk with brief instrumental music segments. The program closed with a final female vocal selection until the transmission carrier was terminated. Fair to good. (D'Angelo-PA)
- 15140 **OMAN *Radio Sultanate*** 2056 GMT, Aug 11th, 34323 fair Midwestern music with man talking in background. Woman singing Midwestern music, Big Ben chimes at 2100. (Fredette-Ontario)
- 15180 **THAILAND *BBC*** at 0012, on 30 July. Two announcers' one male, one female are talking about world news in English. Poor. (Cooper, PA)
- 15180 **NORTH KOREA *Voice of Korea*** Kujang 1029-1047 English; music sounded Chinese, then f Ann "you have been enjoying ... song;" then more music in various genres; fair becoming poor (static) 8/26 (Prodan-ME)
- 15190 **UNITED STATES *Radio Africa*** via WRMI-Okeechobee, 2202-2209 Aug 17, vocals followed by Radio Africa Network through WRMI ID at 2203 into Back to the Bible program at 2205. Good signal. (D'Angelo-PA)
- 15210 **CHINA *China Radio International*** Kunming 1047-1052 English f (with quotes from m) talking about earthquakes; faint 8/26 (Prodan-ME)
- 15215 **SRI LANKA *AWR*** at 0010, on 30 July. Two female announcers are speaking to each other in listed language of Chinese. Fair. (Cooper, PA)
- 15225 **SRI LANKA *KSDA AWR*** Guam, at 0125, on 6 Aug. Station was playing a song with a male singer. At 0127 a new song came on with a female singer followed by program ending at 0130 followed by AWR with a male speaking. Poor. (Cooper, PA)
- 15320 **SRI LANKA *Adventist World Radio*** Trincomalee, 1320-1322. Talk in Cambodian by a woman. Background music. Weak signal. 9/1/2014 (Evans - TN)
- 15345 **ARGENTINA *Radio Argentina al Exterior*** 1052 Chinese; at 1101 heard "Radio Argentina al Exterior" in Spanish; 1102 m & f Ann, sounds like Japanese; faint with static roar 8/26 (Prodan-ME)
- 15380 **ROMANIA *Radio Romania International*** 1055 f Ann, French; piano music; off by 1057; good 8/26 (Prodan-ME)
- 15470 **NORTHERN MARIANAS *Vatican Radio***, Tinian, 1322-1323. Talk in Vietnamese by a man. Poor signal strength with a little fading. 9/1/2014 (Evans - TN)

- 15475 **KUWAIT Radio Kuwait** at 0221, on 3 Aug. A male speaker is singing, chanting, and talking in listed language of Arabic. Fair. (Cooper, PA)
- 15550 **UNID Radio Dabanga** two stations on the same frequency, WJHR is in English on USB taking about revelations in the bible, Radio Dabanga is on LSB in Arabic SINPO 32433 fair overall. (Fredette-Ontario)
- 15575 **KOREA KBS World Radio** at 0200, on 9 Aug. The station is just coming on the air for programming with the KBS intro jingle, and a male announcer giving a station ID. Listed language is Spanish. Poor. (Cooper, PA)
- 15575 **KOREA SOUTH KBS World Radio** Sat Aug 16 at 1353:41-1356:41, KBS World Radio gives Kevin O'Donovan in Farmington NM exactly 3 minutes for his Listening Tips, but poor copy as this frequency is in its seasonal decline to nothing by winter. Mentions something about Voice of Vietnam, and the jazz, swing shows from KV0H (Glenn Hauser, OK, DX LISTENING DIGEST)
- 15580 **BOTSWANA Voice of America** at 0538, on 3 Aug. A male and a female announcer are speaking about the war in Gaza. They discussed the blockade, and how Hamas is hurting for funds right now. They spoke about the terrible conditions in Gaza because of the Israeli attack. Good. (Cooper, PA)
- 15580 **BOTSWANA Voice of America** English; 2018-2059 "Music Time In Africa" - "see you next week;" 2100 "after this news update, 'VOA Music Mix'"; wide-ranging & detailed news report, at least 9 items from Iraq, Iceland, Kashmir, National Zoo & other places - "that's a look at world news from VOA;" to 2100 fair reception, after news not as good 8/24 (Prodan-ME)
- 15580 **BOTSWANA Voice of America** English 1813-1816+ "Africa News Tonight" - Ebola, Somalia Al-Shabob, Leadership Summit; Nigeria Boko Haran & more; good 9/5 (Prodan-ME)
- 15590 **THAILAND Radio Thailand** 0014-0029* Sep 6, first time noted in a while with familiar English news, IDs, ads and promotional announcements. Carrier cut - or switch antenna orientation - at 0029 in mid-sentence. Poor. (D'Angelo-PA)
- 15680 **CHINA Radio China international** 1630 GMT, Aug 22nd, 23232 fair to poor, French broadcast, talk. (Fredette-Ontario)
- 15690 **GERMANY Radio Farda** at 0216, on 3 Aug. A song was playing with a male singer until 0218 when a female announcer came on and gave a Radio Farda ID. At 0218 a new song came on with a male singer. Poor. (Cooper, PA)
- 15720 **NEW ZEALAND Radio New Zealand** at 0236, on 1 Aug. A female announcer is interviewing a person about gene sequencing. At 0239 a new female came on and gave a station ID along with information about another program coming on. Fair. (Cooper, PA)
- 15720 **NEW ZEALAND Radio New Zealand International** 0213-0224 Aug 7, discussion program in English with several males and a female announcer. Poor to fair. (D'Angelo-PA)
- 15770 **UNID Radio del nord?** 2104 GMT, Aug 11th, SINPO 44444 very good, Spanish announcer. (Fredette-Ontario)
- 17170 **TAIWAN Sound of Hope** at 0245, on 2 Aug. A male and a female announcer are talking back and forth. Presumed listed language is Cantonese/Chinese. Poor. (Cooper, PA)
- 17560 **PHILIPPINES Voice of America** Tinang, 0008-0100* Aug 14, Mandarin program with news followed by news feature hosted by a man and woman announcers. Off with several announcements and 5+1 time pips at 0100 before carrier was terminated. Fair. (D'Angelo-PA)
- 17605 **CHINA China Radio International** Kunming 1110-1115 m & f talk, unknown language, probably Indonesian; poor 8/24 (Prodan-ME)
- 17650 **CHINA China Radio International** Kashi 1115 Chinese song (f singer); 1118 f & m discussion; poor 8/24 (Prodan-ME)
- 17680 **ROMANIA Radio Romania International** 1119-1122 English; talk about rose exports, trade fairs, funding for apple planting; "you are listening to Business Club;" then song "Relight the Candle;" loud 8/26 (Prodan-ME)
- 17705 **SAUDI ARABIA Radio Saudi Arabia** 1452 GMT, SINPO 33233 fair to poor, two men having discussion in Arabic. (Fredette-Ontario)
- 17730 **CUBA Radio Havana Cuba** 1122- Spanish; f Ann, talk, station ID at 1125; good to fair 8/26 (Prodan-ME)
- 17810 **JAPAN Radio Japan** at 0241, on 2 Aug. There are three women announcers talking along with one male announcer. The listed language is Japanese. Fair. (Cooper, PA)
- 17840 **AUSTRALIA Radio Australia** at 0242, on 1 Aug. The station is talking about the news with a male speaker. A female is also giving news stories. Good. (Cooper, PA)
- 21540 **KUWAIT Radio Kuwait** Aug 15 at 1315, fair signal in Arabic as R. Kuwait is rarely making it, SSOB with JBA sigs on 21640 Spain, 21505 Saudi. So the MUF is high enough but the LUHF is also high, as BSKSA not making it at all on 17615 or 17625, assuming those 500 kW transmitters are still on the air (Glenn Hauser, OK, DX LISTENING DIGEST)

On the Shortwaves

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

< www.ontheshortwaves.com > Update, August 31, 2014 -- We have posted more Dominican Republic recordings this time, under "DX History/Recordings" (all Santo Domingo except where indicated; IDs at indicated seconds): Onda Musical, 4766 kHz, 1997 (:15); Radio Antillas, 5955, 1986 (:26); Radio Comercial, 4882 kHz, 1976 (:10); Radio Earth over Radio Clarin, 11700 kHz, 1983 (:13); Radio Mil, 4930 kHz, 1975 (:19); Radio Pueblo, 5010 kHz, 2002 (:04); Radio Revelacion, Puerto Plata, 2480 kHz (MW harmonic), 1996 (:18); and Radio Villa, 4960 kHz, 1999 (:10). -- And under "Specialized Resources/Wavescan" we have posted this new entry from Adrian Peterson: "From the Needles to Colombo: The Radio Story on the Isle of Wight" (Wavescan N287, August 24, 2014).

< www.ontheshortwaves.com > Update, September 7, 2014 -- This week, under "DX History/Recordings," we are bringing back two items that appeared in an earlier incarnation of ontheshortwaves.com. One is a recording of Ken Boord's Easter Special, presented in April 1960 over 4VEH, Haiti, and HCJB, Ecuador. This is the recording of the HCJB transmission. Ken was the premier DX editor of the day, and in addition to his shortwave activities he was the organist at Spruce Street Methodist Church in Morgantown, West Virginia. This recording features Easter melodies with Ken at the keyboard. The other recording we are re-posting is "Vasily's Christmas Special," broadcast by Radio Moscow on December 22, 1991 with host Vasily Strelnikov. These were the days of glasnost and perestroika, and I doubt that anything like this had ever gone out over Radio Moscow before. -- Also this time, we have a new Wavescan script from Dr. Adrian M. Peterson: "A Visit to All India Radio: Khampur on Shortwave" (Wavescan N288, August 31, 2014).

< www.ontheshortwaves.com > Update, September 14, 2014 -- The QSLs that were issued by Scandinavian DX clubs for special programs arranged with various (mostly) shortwave broadcast stations in the 1950s and early 60s were largely unknown in the U.S. Under "CPRV/The CPRV Gallery" we have posted another group of these. Look for "Scandinavian Club QSLs - Group 5" at the bottom of the Shortwave Broadcast QSLs. -- And under "Specialized Resources/Wavescan," this new entry from Adrian Peterson about American mediumwave history: "Another Blast from the Past: American Mediumwave Radio on High Power" (N289, September 7, 2014).

< www.ontheshortwaves.com > Update, September 21, 2014 -- Among many other accomplishments, Clay T. Whitehead served as Director of the Office of Telecommunications Policy during 1970-74 (the Nixon administration). His papers are in the Library of Congress, and also online at < <http://claytwhitehead.com/> > When he died in 2008 he was working on a book, *The History of 20th Century Telecommunications: The Development and Regulation of Telecommunications and Broadcasting*. The book was never completed, but his papers contain much of the research material that he had amassed in the course of his writing, including copies of many articles on early radio, letters from the fathers of radio, research memos on various topics, etc.--a huge body of material. In meandering through some of it (from the University of Pittsburgh), I came across a series of letters from listeners in places worldwide--Brazil, Ireland, South Africa, Chile, Australia, others--to KDKA, reporting on reception of the station's shortwave signal. KDKA began regular shortwave transmissions around 4760 kc. in 1923. The letters are from 1924-25, making them among the earliest shortwave broadcast reception reports "ever." I have extracted the letters and posted them in a file under "DX History/Stations." -- And to learn more about radio and the Great White Fleet, go to "Specialized Resources/Wavescan" and check out the latest from Dr. Adrian M. Peterson: "Travel the World With the Great White Fleet" (Wavescan N290, September 14, 2014).

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

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

FIRST CLASS MAIL



ISSN 0160-1989

The Journal of the
North American Shortwave Association

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

Publisher/Business Manager: Bill Oliver, 45 Wildflower Rd., Levittown, PA 19057

Executive Council: Jerry Berg, Ralph Brandi, Richard Cuff, Rich D'Angelo, John Figliozzi, Bill Oliver

EDITORIAL STAFF:

Musings: Jerry Lineback, P.O. Box 1220, Grantham, NH 03753-1220

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 Albara Rd, Teddington, TW11 9PA, United Kingdom

Adrian Peterson's Diary: Adrian Peterson, Box 29235, Indianapolis, IN 46229

NASWA Awards: Gary Neal, PO Box 1, Cockeysville, MD 21030

Listeners Notebook: Rich D'Angelo, 2216 Burkey Dr, Wyomissing, PA 19610

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

OSL Report: Sam Barto, 78 Blakeman 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 19608

Distributing Editor: Steve Handler, 113 McHenry Rd #187, Buffalo Grove, IL 60089

MEMBERSHIP FEES:

United States (First Class Mail) \$31.00
Canada (First Class Mail) \$36.00
Overseas (U.S. Air Mail) :
South America and the Caribbean,
Europe, Asia and Africa \$52.00

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

NASWA
45 Wildflower Road
Levittown, PA 19057
U.S.A.



55454116 0015

