

The **NASWA** Journal

VOLUME LVI NUMBER 2

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eton FRX-5 SWL



The Eton FRX5 SWL *Edition* is your grab-and-go source for local and worldwide information. This special FRX5 SWL *Edition* receives AM, FM and 12 international shortwave broadcast bands: 2.3-2.6, 3.2-3.8, 3.6-4, 4.6-5.4, 5.6-6.4, 6.6-7.4, 8.1-9.9, 11.5-12.4, 13.5-14.4, 15-15.9, 17.1-18.3 and 21-21.85 MHz. The FRX5 is "quad" powered! It may be powered from solar panel, hand crank, built-in rechargeable lithium battery or three AAA batteries (not included). Wind the hand turbine for four minutes and you will produce enough power for 10-15 minutes of music, news and weather or one minute of talk time. You can also use the micro-USB cable to charge the FRX5's built-in rechargeable battery or pop in a couple of AAA batteries if you want to go old school. It features a digital display and alarm clock. If you want more than just the radio, there is an AUX-input to play your own tunes. If want to listen alone, just plug in your favorite headphones. There is also a bright LED flashlight in the side panel. Use the glow-in-the-dark locator and illuminated buttons when you're in the dark. And for big-time emergencies, flash the red emergency beacon. The FRX5 SWL has an IPX-4 splash proof rating so neither sleet nor snow nor rain will hamper its performance. Ideal for camping trips or preparedness. 5.8" x 7.1" x 2.3" 1.5 lbs. **FRX5 SWL Order #6005 \$89.95**

2016 WORLD RADIO TV HANDBOOK

This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, radio club info., plus receiver reviews. **WRTH Pub. ©2015 70" Edition 672 p. List price \$49.95. Order #6016 \$44.95**



WORLDWIDE LISTENING GUIDE

By J. Figliozzi. Modeled on the author's popular *Worldwide Shortwave Listening Guide*, this new book covers all of today's formats: live on-demand, podcast, satellite, internet, digital, analog, AM, FM, shortwave and wi-fi. Learn what can be heard now, where and when! Spiral bound 7th Ed. 160 p. ©2015. List \$24.95. **Order #2861 \$23.95**



2016 SHORTWAVE FREQUENCY GUIDE

By J. Klingenfuss. This guide has 5,000 shortwave broadcast listings by frequency and includes 8,000 abbreviated entries from *Guide to Utility Stations 2015-16*. You get great coverage of broadcast and utility stations in one up-to-date book! 20" Ed. ©December 2015, 370 p. **Order #1580 \$49.95** [CD version also available #526 \$39.95]



THE EARLY SHORTWAVE STATIONS A Broadcasting History Through 1945

By Jerome S. Berg. This year-by-year account chronicles the birth and operation of the large international broadcasters, as well as the numerous smaller stations that were a great attraction to the DXers of the time. Over 100 illustrations and extensive notes, bibliography and index. ©2013 Softcover. *McFarland* 340 p. List \$44.95. **Order #6141 \$39.95**



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The club's annual Winter SWL Festival is coming up later this month at the newly renovated Doubletree Guest Suites Philadelphia West, Plymouth Meeting, PA. The dates are 19-20 February 2016. The registration form appeared in the December Journal. This is a great event that is quite popular among the regulars. Naturally, we look forward to seeing many new faces among the familiar ones so plan to attend for a good time mixing with like-minded radio enthusiasts. The Winter SWL Festival caters to all forms of radio interests with program presented by those in attendance. Therefore, it reflects what those who attend want it to reflect. Co-Festmeisters **Rich Cuff** and **John Figliozzi** do a great job in continuing the long held traditions of this great annual radio gathering. It is not too late to attend if you really want! Naturally, I look forward to seeing many of our club members there!!

Alec Brown of Edinburgh Scotland notified us just before the New Year that his cousin, long time cub member, **George Brown** died in Edinburgh Royal Infirmary on 22nd December, 2015 after a short illness. He asked me to pass the news along "to any members of your Association who might have known George". His funeral was held in Edinburgh on 6th January, 2016. George was very active in European DXing circles and was a frequent attendee at numerous European DX Council conferences. He attended the recent conference in St. Petersburg, Russia in September. George reached his 80th birthday in March 2015 and began DXing in 1952. He preferred listening to domestic SW stations from Latin America, Asia, Africa and Oceania. At his peak, he often was DXing 30 hours per week.

Speaking of European DX Council (EDXC) Conferences the booking information for EDXC Conference 2016 is now available. The EDXC is happy to announce the Castlefield

Hotel costs per night (in Euros): Single room 118, Double room €129, and 3 people in a room €158. The contact at the Castlefield Hotel is Ann Shannon, Reservations and Meetings Manager (Tel +44(0)161 832 7073). Room bookings should be made through her (ann@castlefield-hotel.co.uk). Please mention EDXC 2016 and the reference number BK57133 when you make a booking. Remember, the British DX Club will host EDXC Conference 2016 in Manchester, United Kingdom. The confirmed dates are 9-12 September, 2016. All information will be available also on EDXC website <https://edxcnews.wordpress.com> or www.edxc.org. Conference registration will be on the evening of Friday 9 September with conference sessions on the mornings of Saturday 10 September, Sunday 11 September and the final conference sessions on Monday 12 September. If you have any questions about EDXC Conference 2016 please contact **Kari Kivekäs** (ksk@sdxl.org), **Jan-Mikael Nurmela** (jmn@sdxl.org) or **Chrissy Brand** (chrissylb@hotmail.co.uk).

A.J. Janitschek at Radio Free Asia (RFA) announces the release of RFA's Year of the Monkey QSL card. The Year of the Monkey begins February 08, 2016 and ends January 27, 2017. The design is used with permission from the United Nations Postal Administration. The sheet is made of ten \$1.20 USD stamps with the UN emblem as a standard international first class postage stamp. Those born in a monkey year are said to be optimistic, adventurous, humorous, forthright and to-the-point, and intelligent. Monkeys have strong personalities and are witty, but also mischievous, clever and curious about the world around them. The Chinese New Year is celebrated in many countries around the world. This is RFA's 60th QSL and is used to confirm all valid RFA reception reports from January-April 2016. As always, RFA encourages listen-

ers to submit reception reports. Reception reports are valuable to the station as they RFA 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). Reception reports are also accepted by email at qsl@rfa.org and by postal mail to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036, USA.

Just as we were going to press, **Adrian Peterson** announced the results of the AWR DX program "Wavescan" 2015 Annual DX Contest, "The World's Most Unusual DX Contest". AWR was grateful for the large number of entries received from so many countries around the world and that many entries were from new participants this year. The 2015 Continental Winners, each of whom will receive a copy of the 2016 edition of the "World Radio TV Handbook" are: Africa Middle East - Shaikh Jawahar; Asia - Harumasa Yokoi, Japan; Europe - Ruben Pankov, Bulgaria; North America - Andrew Lisowski, USA; South America - Jose Roberto Cunha - Brazil; and Pacific/Asian Islands - Eddy Probowo, Indonesia. The World Winner for 2015 is Mikio Kohara, Japan who will receive a book of his choice, one of the authoritative volumes on shortwave history written by the noted radio historian Jerome Berg of suburban Boston

in the United States. The final Wavescan DX contest will run during the month of August.

Finally, **Ron Hunsicker** sends information that boutique electronics manufacturer Dishtronix has acquired the assets of radio equipment maker Ten-Tec from RKR Designs. This is the second change of ownership within a year for what is left of the well-known transceiver company. Dishtronix owner Steven "Mike" Dishop, N8WFE, expressed a deep interest in resurrecting the Ten-Tec legacy and said he wasn't looking for a quick flip but rather he is involved for the long-term. Dishop said, "Although Ten Tec has changed hands several times in the last couple of years, I would like to state that Ten-Tec has changed hands for the last time in the foreseeable future. Dishtronix has been continuously operating for 17 years, is financially stable and will continue managing in a manner that promotes and maintains fiscal responsibility and financial stability. My vision as the owner is strictly long term. I have no plans to leave this business and will continue to operate Ten-Tec as long as I am physically able to do so." There are no current plans to move Ten-Tec from its eastern Tennessee location. Dishop plans to use the Dayton Hamvention in May for a debut of the new Ten-Tec.

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



Musings

Jerry Lineback • 3581 Sunview Dr. • Paradise, CA 95969-8106 • jalinebk@gmail.com

Please e-mail musings as MS Word attachments to jalinebk@gmail.com or mail to 3581 Sunview Drive, Paradise, CA 95969-8106. Next deadline is February 24, 2016. Thanks to all contributors.

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

After our first awful DXpedition of the new DX season back in November at French Creek State Park, we decided to venture out to brave propagation conditions once again on 13-15 December 2015. Thankfully, reception conditions were far superior and that enabled us to have a good time listening to the shortwave spectrum. Ed Mauger was sitting in the parking area as I pulled in so we began antenna work together. It was a mild day

with temperatures in the upper 60's Fahrenheit. Once we were up and listening, John Figliozzi appeared, rounding out our threesome. In the evening, we were joined by Rich Cuff who could get away for a few hours of Sunday evening DXing. Rich departed after 0400 ID opportunities and headed back to Allentown. The first day highlights included extremely mild weather and a great opening to Africa with Zambia, Zanzibar on 6015 kHz, and several Ethiopians heard at nice levels. The following morning seemed to be worthless for the most part, although nice reception of Bangladesh was noted and some other interesting things popped up occasionally. There was an unidentified test transmission heard on 12065 kHz covering Radio Australia that abruptly closed down at 1419 UTC requesting reception reports to testransmission@gmail.com. Reception of African stations continued to be the best targets with several Swaziland outlets noted as well as English from Sudan on 9505 kHz in the afternoon. RTE Radio One from Meyerton was heard with a decent signal on 15820 kHz until close at 1958 UTC. Weather continued warm with the sun poking out a few times, but it remained cloudy most of the day. In the evening we experienced some rain showers and a few downpours, but we were in the cabin so it didn't really matter. John set up his DRM receiver which had a bad day trying to grab reception of DRM from India and Nigeria. Our traditional pasta dinner banquet capped a rough day at the dials. After a rather long social hour, it was back to the receivers for some more listening with Africans continuing to dominate the short-wave radio spectrum. I was able to log Zanzibar signing on at 0256 on 6015 kHz for the first time as well as Zambia's Fisheagle interval signal for the first time in several years. Another highlight was logging Bata on 5005.3 kHz after 0500 when their signal magically appeared out of thin air with highlife music. Fatigue started catching up as I slept "in" waking around 1115 UTC. Although some stuff was heard (VL8A on 4835 kHz and Thazin Radio on 6165 kHz), it was a relatively quiet morning. We packed our gear and sat around talking for a while before departing for home. It will be late January before we venture out for another DXpedition so plenty of time for planning purposes.

Bill Tilford, bill1tilford@aol.com, Chicago, IL

After a few years of arguing with myself, I have decided to throw economic reality to the winds and take the plunge in shortwave programming (I did a short radio segment on an LPFM program for a few months last year, so this may actually be trading up).

Starting February 1, 2016, I will be doing a new program, From The Isle of Music, on WBCQ, 7490 kHz between 7-8 pm Eastern (0100-0200 UTC) every Monday night. This will be a panorama of several genres of music from Cuba including interviews with musicians (some in English, some in Spanish). It will have Jazz, Fusion, Classical, Cuban popular dance music (in other words, it will violate all of the rules for commercial radio). This will be music you will not usually hear on another North American radio.

Although it will be possible to stream the program, I would be grateful if those of you who don't have a Cuban music allergy could try this out on your sets and send me feedback about reception in your area. Since I am not the station, I can't do a station QSL, but I will try to think of something I can e-mail you in addition to my heartfelt thanks. Feedback can be sent to bill@tilfordproductions.com.

Wish me luck, Bill

Thanks to our contributors. 73 de JAL



Easy Listening

Richard D. Cuff • 42 North 37th Street • Allentown, PA 18104 • richard@thecuffs.us

BBC World Service boosts cultural programming

What goes around comes around: I remember several years ago there was general criticism when the BBC World Service opted to focus more heavily on news and current affairs, with reduced emphasis on arts and cultural programming. Well, whadda ya know, the BBC has recently announced a new slate of programming to shift this balance somewhat:

Cultural Frontline takes an audio journey around the world in search of cultural stories that reflect the news headlines or offer reflection on certain themes.

BBC Music on the BBC World Service is an omnibus title for a series of monthly programs reflecting a collaboration between the World Service and the BBC's music arm:

BBC Introducing focuses on unsigned, undiscovered, and under-the-radar musicians, and is hosted by Radio 1's *Huw Stephens*.

Global Beats is a showcase of up and coming musical talent from around the world; a recent episode was entitled "Hip Hop Feministas" and looked at young female rappers from Guatemala, Mexico, Argentina, Peru, Costa Rica and Ecuador.

With Cerys Matthews celebrates music of all genres and eras, taking listeners on a global journey of discovery from the recordings of early pioneers to latter-day luminaries. Matthews is a singer and a host on the digital radio service **BBC Radio 6 Music**, a digital sister station to **BBC Radio 2**.

World Wide Listening Guide: Get yourself the Christmas present you really wanted

We programming enthusiasts often lament

there aren't many good resources in any form – online, in print – that provide reference information regarding what's on the air, where, and when. The best resource, by far, that's out there has just seen a new release: John Figliozzi's *Worldwide Listening Guide*.

Rich D'Angelo prepared the following review:

The new 7th edition of John Figliozzi's popular The Worldwide Listening Guide ("the Guide") is now available at your favorite places to buy radio related books. The Guide covers all forms of programming in all of today's most popular listening formats such as on-demand, podcast, terrestrial, Wi-Fi, medium wave, FM, shortwave, analog, and digital and Internet. Long gone are the days where you could listen to everything you wanted by tuning only the shortwave bands. The Guide recognizes the current limitations of simply relying only on shortwave broadcast listening and has expanded coverage to enable the astute listener an opportunity to hear old, and new, favorite radio programs on wherever medium they may be carried on in today's world. Such is the state of the listening world today! The Guide has continued to evolve as listening formats continue to evolve. The author has been an active shortwave listener for decades. He has been a regular participant at the French Creek State Park DXpedition adventures. John has always been a consumer of radio content critically analyzing and commenting upon the good, the bad and the ugly for many years. Currently, he is the editor for the club's Shortwave Center column and has been serving as a member of the club's Executive Council for several years. Over the years, John has edited several other columns about shortwave radio and listening topics for other radio publications as well. In addition, each year he shares the hosting duties for the club sponsored annual Winter Shortwave Listeners Festival in Plymouth Meeting, Pennsylvania with Rich Cuff.

The new Guide is modeled on the author's previous efforts for the popular Worldwide Listening Guide series. The new 7th edition of the book explains radio listening in all of today's favorite formats: "live," on-demand, podcast, terrestrial, satellite, Internet, digital, analog, medium wave, FM, shortwave and Wi-Fi. The Guide is a comprehensive compendium to what can be heard how, where and when. The introductory section explains the many new ways to enjoy world band radio listening opportunities. The main section details programing available to you on an hour-by-hour basis. It actually shows program names, so you may quickly scan it for items of interest. It discusses in detail, the many ways a listener can dial into programs using their computers, Wi-Fi radios, traditional shortwave sets, and more. However, I will discuss more about that a little later. The 7th edition of the Worldwide Listening Guide is a reference resource that should be sitting in your radio room next to your favorite piece(s) of listening gear (shortwave radio, Internet Radio, portable AM receiver, FM tuner, etc.) so you can hear what you want to hear as the listening world constantly evolves.

By checking the Table of Contents I noticed that the Guide is divided into fifteen separate sections. However, there are five main sections that would be used a lot on a day-to-day basis so those will be the primary focus of my comments:

The first main section is a discussion of various platforms being used today mentioned previously. These include analog medium wave radio, analog FM radio, digital FM radio, Sirius/XM Satellite Radio service, shortwave radio (divided into broadcasts in English to North America, other broadcasts to North America and further English broadcasts often heard in North America).

The next main section is a survey of radios and reception devices offering introductory remarks about on radio receivers and accessories. This is followed by an interesting discussion of the "Big Six" which includes BBC Radio (United Kingdom), ABC Radio (Australia), CBC Radio (Canada), RTE Radio (Ireland), RNZ Radio (New Zealand) and NPR Radio (United States). In the author's opinion – and

I heartily agree with him - the Big Six are the best English language radio networks in the world representing the finest the medium has to offer in terms of organization, scope of service and craft of programs. The pages devoted to the Big Six comprise an important component of the Guide.

After a few smaller sections (Stations Listed in the Guide, UTC Time Conversation Chart and the Guide to Consolidated Program Listing), the next important theme portion of the book is the section called Consolidated Program Listing. This section would be considered by many radio listeners to be the principal segment of the Guide with twenty-four hour listing of stations, in the various formats discussed earlier in the book, being presented. In this section, you will find over 4,000 individual broadcasts that you can receive on your medium wave, FM, shortwave analog sets as well as digital, Sirius/XM, Internet, Wi-Fi or smart phones. The concluding major section of the book is the Program Name and Description List which is an alphabetical listing of programs appearing in the Guide.

Published by W5YI - Master Publishing, Inc. the Worldwide Listening Guide - 7th Edition is 160 pages in a wire-bound format that makes the Guide open flat in an easy-to-use format. The Guide can be purchased direct from the W5YI Group for \$24.95 plus shipping costs or at Universal Radio for \$23.95 plus shipping costs (Order #2861) or through Amazon for only \$22.14 (Amazon Prime customers don't need to pay additional shipping costs). The Guide is a very useful reference book that you will find yourself utilizing on a regular basis as you search for old favorites from the international shortwave broadcasting world and many new favorites.

I've always liked the Guide since its early days when it helped me identify shortwave stations by some of the programs their carried during their transmissions. Since then it has become a permanent reference book in my radio shack alongside other useful references such as the World Radio TV Handbook and the Domestic Band Survey. There is a surprising amount of worthwhile material packed into this handy, spiral-bound book. Using the Guide will maximize your listening enjoyment

of worldwide radio whether listening to news, information, music or entertainment from around the broadcast world. John Figliozzi's *Worldwide Listening Guide - 7th Edition* should hold a special position in every radio listener's favorite listening location!

Thanks, Rich. I, too, am a big fan of the guide; with less of my time spent on shortwave and more time spent on other platforms, this guide is my #1 listening resource. The fact that John organizes this information in several different ways – thematically, by broadcaster, by time – is especially helpful for me. The descriptive sections on the “Big Six” broadcasters that Rich described in his review is always an interesting read, as these broadcasters are increasingly facing structural, philosophical, and funding challenges that threaten their continued existence.

Program review potpourri

Here are a couple interesting programs I've happened across while wandering broadcaster websites and shortwave bands:

Radio Australia

Off Track is a weekly Radio National program focusing on stories focusing on the outdoors and the environment. A Decem-

ber edition of the program focused on the roadkill problem on the island of Tasmania — an average of 32 animals are killed every hour, and the island has earned the title “Roadkill Capital of the World”. Ann Jones hosts; she has a PhD in history (among other degrees) but has worked for ABC Local Radio and Radio National for several years. Aird Tuesdays 0300 UTC and Thursdays 1800 UTC, and all programs dating back to 2012 can be downloaded or enjoyed on-demand.

BBC World Service

The Thought Show combines together three of the more cerebral programs on the World Service into a single helping: *More Or Less*, *The Why Factor*, and *Trending*.

Winter SWL Festival: Still time to sign up!

There still is time to sign up for the 29th (!) Winter SWL Festival happening later in February outside of Philadelphia. It will be great to meet old friends and new, and the program has taken shape together nicely. Check out <http://swlfest.com> for more information and registration details.

Good listening – and see you at the Fest!

73 DE Richard



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

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Slow text helps shortwave get through

On VOA Radiogram, my weekend experimental Voice of America show, we employ digital modes familiar to amateur radio and utility stations on a 50-year-old shortwave broadcast transmitter in Greenville, North Carolina. So, instead of voice and music, you hear strange tones. Use any shortwave radio to receive those tones (SSB capability not required). Feed the audio from your radio to your computer (place the radio's speaker next to laptop's built-in mic if no patch cord is available), then use Fldigi from w1hkj.com or other decoding software to see the text and images conveyed by those tones. To decode using an Android device, use the TIVAR app: bit.ly/20qbYkH.

Text via shortwave broadcast is more robust than voice via shortwave broadcast. You can receive 100% of the content in reception conditions in which voice content would be difficult to comprehend. Text and images via shortwave could be also be useful in situations where the Internet is unavailable to do disaster or dictators.

On VOA Radiogram, we usually use the MFSK32 mode. This 500-Hz wide mode sails along at about 120 wpm and can send images as well as text. We have found MFSK32 to be a good compromise between speed and performance, i.e. percentage of correctly decoded characters, in typical-to-difficult shortwave reception conditions.

As you know, mid-winter can often provide especially challenging shortwave conditions. Sometimes these conditions are too much for MFSK32. Accordingly, VOA Radiogram has lately been transmitting some news stories in Olivia 64-2000. This is a very robust mode with full-time forward error correction. The 64 means 64 tones, and the 2000 indicates that the mode is 2000 Hz wide. Such a wide mode would be unwelcome on most of the HF amateur bands, but it's a good fit for shortwave broadcasting,

where each redundant sideband is about 3000 Hz wide. The big disadvantage of Olivia 64-2000 is that it is slow: only about 25 wpm. And, unlike MFSK, it can't do images.

Nevertheless, Olivia 64-2000 did provide successful decodes of text under some atrocious reception conditions. For example, on January 23, Frank in Perth, Australia, received the 0930-1000 UTC transmission on 5865 kHz (nominally beamed to the Caribbean via a dipole). He wrote, "Signals were very weak; could hear audibly but not decode MFSK-32. However Olivia 64-2000 decoded perfectly. No sign of any audio on the Fldigi waterfall display!"

On January 24, Mark in the UK received the 0230-0300 UTC transmission on 5745 kHz (also dipole to the Caribbean). "This morning's faint broadcast is a good example of Olivia's superior performance over MFSK32 in difficult conditions. While MFSK32 was decoded with significant numbers of errors, Olivia came through 100%, even surviving impulse noise (I suspect my refrigerator downstairs) which desensitized the receiver periodically."

For more examples of Olivia 64-2000 in difficult conditions, and for general information about VOA Radiogram, visit voaradiogram.net.

The negative impact of impact

Switching now to the politico-bureaucracy of international broadcasting, much attention has recently been directed to the measurement of media impact.

In public diplomacy, the need to assess impact is readily apparent. Public diplomacy is a persuasive activity. Stakeholders want to know if the effort was able to "move the needle." The same is true for the public affairs offices of corporations and government agencies. And in the "near news" articles by organizations such as Human Rights Watch, the quest for impact is evident to the reader.

In government-funded international international broadcasting, the situation is more complicated. The audience for international broadcasting seeks news and information that is more objective than the news they get from their state-controlled domestic media. Their domestic media designed to rally support for the regime and its policies. The audience for international broadcasting seeks relief from that type of content. They want to be comprehensively and truthfully informed.

While many countries engage in international broadcasting (now sometimes referred to as "international media" to encompass the addition of text via the Internet), only a few uncommonly wise national governments allow their international broadcasting outlets the independence necessary to achieve the credibility required to attract an audience. This is market-based international broadcasting.

News in international broadcasting provides audiences with the information they need to make up their own minds about current events. Citizens trying to build and maintain democracies need this antidote to the misinformation and disinformation they receive from dictators and terrorists. This is the "impact" of international broadcasting. It is subtle and occurs over the long term. It is difficult to measure. I find some of the best evidence of the impact of international broadcasting to be contained in historical works, especially those with first-person accounts.¹

If, however, news is written or produced to create a certain impact, it isn't really news. It is advocacy, or propaganda. The audience

for International broadcasting will perceive it for what it is. They will tune — or point their browsers — elsewhere.

In international broadcasting, audience sizes in raw numbers are usually small compared to those of domestic broadcasting. The audience for international broadcasting tends to be elite, with an unusually high level of interest in news and current affairs. Often, they pass the information to their compatriots. Performance targets should therefore consider the quality as well as quantity of audience. The presence of other competitors in the international broadcasting arena is useful, because they provide benchmarks. If these audience numbers are satisfactory, impact will take care of itself.

This is the communication process of international broadcasting. It is not particularly intuitive. The senior executives of international broadcasting must artfully explain this process to their parliaments and legislatures. Focusing too much on "impact" could compel staff broadcasters to create content designed to elicit prescribed results. This could reduce the audience to the point that the possibility of actual impact fades into the static.

¹ See, for example, references to listening to BBC in Germany during World War II in Eric A. Johnson, with Karl-Heinz Reuband, *What We Knew: Terror, Mass Murder, and Everyday Life in Nazi Germany*, Basic Books, 2006.

Views expressed are more own. I am slowly reviving kimandrewelliott.com, reporting about international broadcasting. See also voaradiogram.net.



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.



Shortwave Center

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

STATION PROFILE

A Visit to the Voice of Indonesia

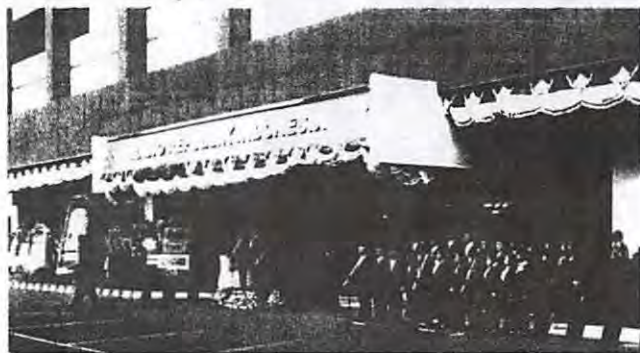
By Jawahar Almeida

From Shortwave News published by the Danish Shortwave Club International.

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In the month of September 2015, I was fortunate to be among the winners of the *2015 Wonderful Indonesia Quiz* (VOI Quiz) that brought me to this beautiful country. Though I had previously visited Indonesia for the first time 25 years ago and on a couple of occasions since then, it was a memorable experience visiting the Voice of Indonesia for the second time and experiencing their traditional hospitality once again though this time at their invitation.

This quiz is organized annually by the RRI World Service - Voice of Indonesia (VOI), the external service of the State broadcaster Radio Republic Indonesia, in collaboration with the Ministry Of Tourism.



The Republic of Indonesia is the largest archipelago in the world consisting of five major islands and 30 smaller groups with a total of around 17,508 islands forming an arc

between Asia and Australia. The archipelago is on a crossroads between two oceans, the Pacific and Indian Ocean and bridges two continents, Asia and Australia. This strategic position has always influenced the cultural, social, political and economic life of the country.

The five principal islands are Sumatra; Java; Borneo, of which the 72% belonging to Indonesia is known as Kalimantan; Sulawesi, formerly called Celebes; and Irian Jaya (West Irian), the western portion of the island of New Guinea. Indonesia has land boundaries with Malaysia (on Borneo), Papua New Guinea (on New Guinea), and East Timor (on Timor). Indonesia's capital city, Jakarta, is located on the island of Java.

The 11th of September is the anniversary date of the founding of Radio Republic Indonesia and our arrival was timed to be in attendance for this ceremony. This year marked the 70th anniversary. The ceremony

began with a traditional programme followed by an address by the President Director of RRI Niken Widyastuti at the campus of the main building. This was followed by a presentation of traditional arts and culture in the main auditorium and later an awards presentation ceremony to the various regional stations of

RRI for their impressive programming and various presentations. The winners of VOI quiz had an audience with the President Director after a sumptuous buffet lunch.

Over lunch, we were introduced to M. Rohannudin who is the Technical Director of RRI and has worked hard to have VOI back on the air on 9625 kHz lately. Gifts were presented to the VOI quiz winners by Kabul Budiono who is the Director of Program and Production. Incidentally I was meeting Budiono again after 25 years! Most of the staff whom I had met during the first visit had since retired.

RRI World Service – Voice of Indonesia is located on the 4th Floor of the RRI building and there we got to meet Lilik, Rahma, Nita, Dee, Nuke, Stefanus, Yati and Ani from the English Service. Also present were The Head of Broadcast Division Budi Nugroho Wati from the Broadcast Cooperation Section, Enny from the Chinese Service, Yubi from the French Service, Neni from the Arabic Service, Unun from the German Service, Dora from the Indonesia Service and the ever likable and resourceful Nouva from the News Division who is also a Chinese announcer. In fact all the staff was very friendly and hospitable which is a tradition in Indonesia.



The next day we were in Semarang and given a tour of RRI Semarang. It was nice to be able to visit the station that I once listened to on shortwave and unfortunately is now only on MW and FM. Here again we experienced excellent hospitality of Head of RRI Semarang Arianti Astuti and the

staff. We also got to be on air over Pro 1 RRI Semarang. The rest of the day in this beautiful city was spent visiting Lawang Sewu (Thousand Doors), Sam Poo Kong temple, Masjid Agung Jawa Tengah in Semarang.

From Semarang we drove to Solo, the home town of President Joko Widodo whose home is located on Jalan Salmett Riyadi, not far from the Hotel Paragon where we checked in. In Solo the attractions were Keraton Solo, Sangiran Museum and then an evening drive to Solo to witness the sunset at Ratu Boko.

Tweaking on the Radio dial from Solo I could log Radio Rama on 666 kHz, Pro 1 RRI Semarang on 801 kHz, Suara Diponegoro on 1125 kHz, Radio Sangkakala Surabaya on 1062 kHz and several FM stations. Reception within the confines of the hotel room was very poor and so I had to make use of breaks during the guided excursion on the road.

The final leg of the tour took us to Yogyakarta which could be considered as the arts and culture hub of Jawa. Among the attractions are the Batik shops, puppet makers, gamelan concerts, food vendors, street arts and the nearby Temples of Borobudur and Prambahan dating back several centuries. We were taken for a tour of Borobudur Temple and the same evening flew back to Jakarta. Mr. Shesar from the Ministry of tourism accompanied us throughout the tour to ensure we had a comfortable stay.

Before he bid goodbye he handed souvenirs to the Quiz winners. Mr. Henry was the tour guide and kept us well informed and in good spirits all along.

The day before we left for home, the staff at VOI were kind enough to arrange a visit

to the transmitting station of the Voice of Indonesia located in Cimanggis on the outskirts of Jakarta.

We were welcomed by Tarto Waluyo who is the Head at the Transmitter Site. Also present was transmitter technician Suyatno. He hosted a breakfast for us with a spread of Talas, a local root vegetable, groundnuts and cookies. Later we were shown around the transmitter site. The transmitter is a 250 kW Marconi using a TH537 in the Final RF. Presently it is plagued with spares issues and so power is not optimum. The antenna farm consists of 4 dipole curtain arrays. No.1 beamed to Africa, No. 2 towards South Asia/Europe, No. 3 towards East Asia and No.4 towards South America.

Indonesia is a beautiful country with a lot to see and experience. A fascinating range of

DX TARGET

The Robert E. Kamosa Transmitting Station

A look at the shortwave transmitting facilities in the Northern Mariana Islands

By Richard A. D'Angelo

Recently, I received a verification card from the Voice of America in Washington, DC confirming a reception of their broadcast from the Robert E. Kamosa Transmitting Station at Tinian in the Northern Mariana Islands. A very useful handbook about the station was included which provides the basis for the information utilized to prepare the following DX Target feature. For current scheduling information follow the Listeners Notebook and International Bands Log Report columns on a regular basis.

The Robert E. Kamosa Transmitting Station is located in the Commonwealth of the Northern Mariana Islands and is owned and operated by the International Broadcasting Bureau ("IBB"). The mission of The Robert E.

civilizations have grown up on these tropical islands, from animist tribes in remote jungle villages to the elaborate Hindu kingdoms of Bali and Jawa. In Indonesia, timeless temples jostle for space with golden-domed mosques and beach resorts crowded with sun-seekers and surfers. Flights and ferries link all of the islands so you can island-hop right across the archipelago. The people are polite and hospitable. Travel and lodging is very reasonable.

For the Radio fan there are a number of stations still on Medium wave. The Stations are very friendly and responsive to QSL hunters. I have always enjoyed my visits to Indonesia and hope to return again. Most of all I shall always cherish the visits to The Voice of Indonesia who are still on shortwave.

Kamosa Transmitting Station is to provide high power shortwave transmissions for the following organizations (target areas and broadcast languages follow):

- Radio Free Asia – China, Korea, South-east Asia and Tibet in Burmese, Cantonese, Khmer, Korean, Laotian, Mandarin, Tibetan, Uyghur and Vietnamese.
- Voice of America – China, East Asia, Korea and South Asia in Cantonese, Chinese, English, Korean, Dutch and Russian.
- Australian Broadcasting Corporation – Indonesia in Indonesia.
- British Broadcasting Corporation – Indonesia in Indonesia.

Location

The Robert E. Kamosa Transmitting Station is located in the Commonwealth of the Northern Mariana Islands. This grouping of islands is situated in the Pacific Ocean

approximately 3,800 miles southwest of Honolulu, Hawaii, 1,560 miles southeast of Tokyo, Japan and 140 miles north of the island of Guam. The three major islands within this island chain are Rota, Saipan and Tinian.

The climate is tropical with the average temperature in the 80 to 85 degree Fahrenheit range. The dry season is from December through June, and the rainy season runs from July through October. The transmitting station consists of two transmitter sites, on the island of Saipan and the other on the island of Tinian, which are separated by approximately five air miles.

History

Beginning in the late 1500's/early 1600's, the Northern Mariana Islands came under the control of a number of countries - Spain (until 1899), Germany (until 1914), Japan (until 1944), and the United States (United Nations Trusteeship until 1990). It has been said that the Spanish brought Christianity; the Germans brought the copra commerce; the Japanese brought agricultural and industrial development; and the Americans brought the concept of self-government to the islands. After World War II, the Northern Mariana Islands became a United Nations' Trust Territory under the administration of the United States. This relationship remained in effect until December 22, 1990 when the Security Council of the United Nations voted to dissolve the trusteeship. However, long before the official end of the trusteeship, the relationship between the United States and the Northern Mariana Islands had already changed. In 1978, the Northern Mariana Islands became a self-governing Commonwealth in union with the United States. They were the only island group within Micronesia to take this course of action. The first elected Governor also took office in 1978, and on November 4, 1986, the citizens of this Commonwealth became citizens of the United States.

Saipan Transmitter Site

The Saipan Transmitter Site is situated on the southeast corner of the island of Saipan at Agingan Point. It occupies 7.4 acres of land, which are leased from the Commonwealth of the Northern Mariana Islands. The geographical coordinates of the site are latitude of 15° 07' 14.32" North and longitude - 145° 41' 35.69" East.

Prior to 1998, this site was owned and operated by the Herald Broadcasting Service ("HBS"), and broadcasted using two 100 kW shortwave transmitters. In September 1996, HBS began leasing transmitter airtime to Radio Free Asia ("RFA") for its broadcasts. This lease had yearly options for renewal through September 30, 1999. On July 30, 1998, RFA purchased the facilities from HBS, and in 1999, they added a third 100 kW shortwave transmitters and an 11/9 megahertz diplexer. As part of the agreement with HBS, RFA agreed to provide transmitter time to HBS for its broadcasts. This agreement remained in effect until August 1999 when the broadcasting of HBS programs ended. In July 1995, the Voice of America, Radio Free Europe/Radio Liberty, and Radio Free Asia merged to form the Broadcasting Board of Governors ("BBG"). As part of this merging of U.S. Government broadcasting entities, the International Broadcasting Bureau ("IBB"), a part of the BBG, assumed full operational control of the site in August 1999. On April 13, 2000, RFA transferred the land lease for the Saipan Transmitter Site to the IBB.

Tinian Transmitter Site

The Tinian Transmitter Site is situated on the northwest corner of the island of Tinian. It occupies 838 acres of land, which are also leased from Commonwealth of the Northern Mariana Islands. The property was formally under the control of the U.S. Navy. The geographical coordinates of the site are latitude of 15° 02' 52.79" North and longitude - 145° 36' 39.68" East.

In early 1991, the International Broadcasting Bureau (IBB) initiated plans to build a new transmitting site in the Pacific Ocean. In June 1993, a Memorandum of Agreement was signed between the U.S. Department of Defense (who controlled the land) and the U. S. Information Agency (at that time, the parent organization of the IBB) for use of 834 acres of land on the Island of Tinian on which to build the Tinian Transmitter Site. The construction of the site was completed in four phases:

Phase 1: Three Thomcast ABB SK 55C3-2P, 500 kW shortwave transmitters, transferred from the closed transmitter site in Maxoqueira, Portugal, were installed along with four pairs of high/low antennas. The site began broadcasting on January 15, 1999 using two transmitters. On March 28, 1999, the third transmitter began broadcasting.

Phase 2: This phase was completed on February 11, 2000, with the installation of three additional Thomcast ABB SK 55C3-2P, 500 kW shortwave transmitters and three high frequency curtain antennas.

Phase 3: This phase was completed on September 21, 2001 with the installation of two Continental 419-F2, 250 kW shortwave transmitters transferred from the closed Gloria Transmitting Station in Portugal, and the construction of a 3,444 square foot Maintenance and Storage Warehouse.

Phase 4: The contract to install two additional low frequency antennas (270L and 305L) was issued on March 14, 2003. Installation of these two antennas was completed in April 2005. These new antennas improved low frequency coverage into the Asian Continent during periods of low sunspot activity. The purpose was to enhance coverage of the Asian Continent.

Station Management and Administrative Staff

The Station Manager is a Foreign Service Officer who provides the guidance and

direction required to fulfill the station's broadcast mission. The Resident Engineer, physically located at the Saipan site, is a Foreign Service Officer who assists the Station Manager in managing the daily operations at both transmitter sites. The Resident Engineer also oversees ongoing maintenance & repair ("M&R") projects, and while acting in this capacity, receives general guidance from the Asian Regional Construction Manager who is based out of the Philippines. The Administrative Officer and the Administrative Assistant, who are non-supervisory Federal Government employees, support the Station Manager in carrying out the administrative functions common to all the transmitting stations in the Network. The administrative staff works Monday through Friday, 8:00 A.M. until 4:30 P.M. and their offices are located at the Saipan Transmitter Site.

The Robert E. Kamosa Transmitting Station is unique within the International Broadcasting Bureau's Transmitting Station Network as it is the only station operating almost entirely with contract employees.

Saipan Transmitter Site Staff: The Contractor provides a site manager, and a sufficient amount of employees to operate and maintain the site 24 hours per day/7 days a week. The site operates three shifts: Midnight Shift: 2330 - 0800 hours Day Shift: 0730 - 1600 hours Evening Shift: 1530 - 2400 hours.

Tinian Transmitter Site Staff: The Contractor provides a site manager, and a sufficient amount of employees to operate and maintain the site. These responsibilities include maintaining the 13 curtain antennas, their associated towers, and buildings and grounds maintenance. The site operates 24 hours per day/7 days a week using three shifts: Midnight Shift: 2330 - 0800 hours Day Shift: 0730 - 1600 hours Evening Shift: 1530 - 2400 hours. At both sites, the Contractor provides security services 24 hours per day/7 days a week using the same shift schedule noted above.

Technical Staff: Transmitters and Antennas

The Saipan location operates two (2) Continental 418E shortwave transmitters with a rated power of 100 Kw (SAI-1 and SAI-2) and one (1) Continental 418F-2 shortwave transmitter with a rated power of 100 Kw (SAI-3). All three transmitters have the same frequency range of 3.2 to 22 MHz

Transmitters SAI-1 and SAI-2 were the two transmitters used by the Herald Broadcasting Service when they operated the site. SAI-1 was installed in 1982 and SAI-2 was installed in 1988. SAI-3 was installed by Radio Free Asia in 1999 after they purchased the site from the Herald Broadcasting Service. It is the most overall efficient transmitter in use at the Saipan Transmitter Site. This transmitter is equipped with a SSM and SSM circuit control boards along with a Single Sideband ("SSB") generator and SSB equalizer. SAI-3 is the only transmitter at Saipan that can be used for digital transmissions because it has a digital encoder card in place of the SSB card that is typically utilized in the modulator control panel.

All three of the HF antennas are dipole curtain with folded half wave dipoles in a 4x4 horizontal row and vertical column arrangement. All of the antennas are horizontally polarized with a screen reflector curtain and are capable of slewing or changing the azimuth of the main beam. All three antennas are designed to provide RF radiating energy in the 9 MHz to 18 MHz international broadcast band. This antenna system is a very complex and elaborate array of wires and insulators broken down into two parts, the curtain and the reflector screen.

The Tinian location operates six (6) Thomcast ABB SK55C3-2P shortwave transmitters with a rated power of 500 Kw (TIN-1 through TIN-6) and two (2) Continental 418F-2 shortwave transmitters with a rated power of 250 Kw (TIN-7 and TIN-8). All six 500 Kw units operate in the frequency range of 3.9 to 26.5 MHz while the two 250 Kw units operate in the 3.9 to 22 MHz frequency range.

There are six of these shortwave transmitters (TIN-1 through TIN-6) in use at the site. Three transmitters were transferred to Tinian from Portugal when the transmitting site at Maxoqueira was closed. Two of these shortwave transmitters (TIN-7 and TIN-8) were installed at the site. They were transferred from the Gloria Transmitting Station in Portugal when that station was closed. These transmitters are equipped with solid-state modulators ("SSM"). These SSM's replaced two 4CV250, 000CS power tetrodes tubes from the transmitter improving reliability and greatly reducing power consumption.

The antenna system at the Tinian Transmitter Site consists of five high band/low band antenna combinations and one mid-band antenna for a total of eleven antennas. The antenna pairs are aligned on bore sights beginning at 267 degrees through 333 degrees true. The antenna system allows for coverage from Indonesia in the south to China, Mongolia and portions of Siberia in the north. The rated power capacity of each is 600 kW with a gain of 19 to 25 dB depending on frequency and slew angle.

More Technical Stuff: Power Supply

The Saipan Transmitter Site operates on commercial power provided by the Commonwealth Utilities Corporation ("CUC"), which provides a 5 MW power source. Commercial power is received at the station and transformed to 480 volts through a 1 MW or 1000 kVA Westinghouse step-down transformer. It is then connected to a GE-1600 amp electrical load center type breaker. All three 600 amp circuit breakers are individually distributed to all three transmitters. Low voltage electrical power is also supplied to the Transmitter and Administrative Office Buildings. Each building has its own separate circuit breaker connected to a separate step-down transformer taking the 480 volts down to 208 volts.

The site's backup power plant can generate sufficient power to operate the entire site in the event of a power outage. The 800 kW Caterpillar Model 3508 diesel generator

only utilizes approximately 50% of its full capacity to operate the entire site at full power on all three transmitters. The generator is equipped with a 1200 amp Automatic Transfer Switch ("ATS"). The ATS is set for five seconds and will automatically start the generator engine and transfer from commercial power over to standby generator power within five seconds. The site's transmitters use Controlled Carrier Level Modulation ("CCM"), which reduces the 300 kW load potential of the transmitters and the average power utilization. However, this transmitter power cycling has a strenuous impact on the generators when they are under load. Diesel fuel is stored in a 4,000-gallon capacity, above ground, steel storage tank. A concrete containment is provided for safety in the event of a fuel spill (overflow) or any other sudden unexpected fuel leak. A collector-retaining pit is also provided. The 4,000 gallons of fuel can operate the entire site for 4 days.

The Tinian Transmitter Site operates on commercial power provided by the CUC, which provides approximately 5 MW of power. At the site, the transmitters access an 11 kV bus. A transformed 4 kV bus is used to power the remainder of the station. The commercial power feed does experience periodic power outages and occasional excessive peak to peak voltage and frequency fluctuations.

The site's power plant is designed to provide backup power only. The site is equipped with two 1,250 kW and one 325 kW generators. The power plant can generate 2.83 MW of power, which can operate three transmitters at full power, or all eight transmitters at reduced power. The gravity fed fuel system was upgraded with the addition of a motorized fuel pump to increase the flow of fuel into the generators. This feature is especially beneficial when the commercial power is out for an extended period. The Tinian Transmitter Site has two 30,000-gallon diesel fuel storage tanks. The site can operate approximately 20 days without refueling if needed.

Less Technical Stuff: Programming and Contact Information

All programming originates at the International Broadcasting Bureau in Washington, DC and is delivered to the station via satellite. Station personnel are responsible for ensuring that the program feeds are routed to the proper transmitter as specified by the program schedule. This schedule is developed by the IBB in Washington, and e-mailed to the transmitting station where it is stored on a local database.

The Tinian Transmitter Site is linked to both the Indian Ocean Region ("IOR") Satellite and the Pacific Ocean Region (POR) Satellite via a 6.1-meter uplink Satellite Interconnect System ("SIS"). The Saipan Transmitter Site is linked to the Pacific Ocean Region ("POR") Satellite via a 4.5-meter C-Band dish. Both Saipan and Tinian have uplink (128 KBPS data rate) and downlink (1544 KBPS data rate) capability. The program feeds are received from AsiaSat 2 and AsiaSat 3 via IOR. In the event the SIS is not available, telephone backups are used to receive the programming. For Radio Free Asia programming, Telos backup modems are available to transfer audio content from the Radio Free Asia Master Control Room in Washington, D.C. to either Master Control Room.

The staff at the Robert E. Kamosa Transmitting Station does respond to listener reception reports. Reports can be sent to the station heard (Voice of America, Radio Free Asia, etc.) at the following postal address:

c/o IBB Robert E. Kamosa Transmitting Station
P. O. Box 504969
Saipan, MP 96950

Alternatively, you can try contacting the station at the following e-mail address with your reception reports: manager_mariana@mar.ibb.gov. Another route to getting QSL verifications is direct contact with either the Voice of America ("VOA") or Radio Free Asia using their postal addresses in Washington, DC or their e-mail addresses. For the

VOA try the following: Voice of America, 330 Independence Avenue SW, Washington, DC 20237; or, you can try the Voice of America's e-mail address: letters@voa.gov. For RFA try the following: Reception Reports, Radio Free Asia, 2025 M Street NW, Suite 300, Washington DC 20036; or, you can try the Voice of America's e-mail address: qsl@rfa.org.

As always, remember to send those loggings of the Robert E. Kamosa Transmitting Station to electronic *Flashsheet* editor Mark Taylor and to the International Bands portion of the log report, edited by Dave Turnick. Of course, QSL verifications should be sent to Sam Barto for inclusion in the *QSL Report* column. Good luck with this DX Target.

BOOK REVIEW

Bandscan analysis of Radio Handbooks for 2016

By Anker Petersen, Denmark

December 23, 2015. © DSWCI.

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Mid December 2015 I received the two Radio Handbooks describing the winter schedules B-15, namely the "World Radio TV Handbook 2016" (WRTH), for the first time accompanied at the same time by the Bargraph Frequency Guide B-15 in colours on a CD for all shortwave broadcasts from its publisher Nicholas Hardyman, the United Kingdom. The other is the "2016 Shortwave Frequency Guide" (SWFG) with "The 2016 Super Frequency List" (SFL) on a CD from Jörg Klingenfuss, Germany. Thus I immediately could make this comparative analysis.

Both annual, printed Handbooks have kept their well-known, but different format. In their editorials both publishers are worried about the remarkable reduction in broadcasting on shortwaves over the past years. Both editors have focus on the digital development, but DRM has developed to be a big megaflop!

The WRTH 2016 (70th edition) again has 674 pages, like in all years since 2010! The size of the National Radio section has been increased by 4 pages to include more details, including web-addresses, while the International Section has the same size. Again the first 64 pages are in full colour. The WRTH Contributor 2016 is well known British Dave Kenny who tells how he has developed from

an ordinary DXer to get a career in the BBC Monitoring Service during the cold war for almost 25 years. Now he edits e.g. the guide to Radio Stations in the U.K. for the British DX Club (BDXC-UK).

Then John Nelson reviews four new receivers and a new Megaloop antenna. After that, the WRTH Publisher Nicholas Hardyman presents a Brief History of World Radio TV Handbook. Then BBC Senior Transmitter Engineer Dave Porter writes about the first 95 years of UK MW and LW Broadcasting. An article of six pages follows about 70 Years of Reception describing the fantastic development of shortwave receivers during these years. After an article from Timor-Leste, follows an interesting article about The Future of Shortwave. Then follows the usual content. Read more at www.wrth.com. Price: GBP: 35.00. The B15 WRTH Bargraph Frequency Guide CD GBP: 9.99. In addition postage costs.

The WRTH also contains LW, MW and some FM and TV information, in contrary to the SWFG. Therefore I use the WRTH, when I DX on the bands mentioned or need more information about the stations, like postal addresses or websites.

The SWFG 2016 (20th edition) is also in English. It has 172 pages about Shortwave Broadcasting. That is 19 pages less than in the previous edition). But the section with Utility stations on Shortwaves is of 187 pages, an increase of 16 pages compared to the 2015 edition which is commented in

the editorial on page 194. The list of active DRM SW broadcasts only fills 2 pages. Traditional DX-ing on SW is being replaced by the internet broadcasts and satellite media.

It is followed by the comprehensive SW frequency list which for each frequency contains a line for each broadcast, practically arranged in time order within each frequency. That includes exact times, transmitter site, language and target area. The Country section contains the same data listed by Station, but without details like geographical coordinates, addresses, web sites, QSL info, etc. Price unchanged: EUR 40,-.

At the same time Klingenfuss has published the 22nd Edition of the Super Frequency List (SFL) on a CD with the same more than 5,000 Broadcast frequencies and 9,200 Utility frequencies in use as in the SWFG, plus 23,400 formerly active frequencies. Price unchanged: EUR 30,-. More details at www.klingenfuss.org.

Frequency check

As previously, I scanned through the SW-bands in mid-December 2015. I checked 50 broadcast stations at random in time and frequency and identified them 100%, no matter what language, and made a comparative analysis. Half of the stations heard carried domestic broadcasts and half international broadcasts.

I then looked in the two new Handbooks, if each particular broadcast heard was mentioned in the Country Section and in the SW frequency list. Each Handbook must contain the five essential details: Station name, frequency, scheduled at that exact time, exact language and site of transmitter. A copy of the detailed analysis can be obtained from the author.

Analysis

I consider the five details mentioned above to be essential for the DXer during his listening and identification of the transmitter and broadcast. Thus it was checked for each logging, if the 2016 Handbooks have all these

essential details and if they are correct. This is then marked "+" in my detailed analysis. If just one is missing, the column got a "-".

I still consider it useful, if the Handbooks also can provide the DX-er with additional information about Geographical Coordinates for his propagation calculations and Google Earth search, and complete ID in the language heard. Furthermore it is necessary to know current addresses (postal, e-mail and web) and QSL-policy for his reception report writing. For listeners with Broadband internet (ATDL) is it also useful to know, if the station broadcasts live audio on the web.

Most of these useful details can be found in the WRTH, but they are still missing completely in the SWFG!

Comparison

I then counted how many essential details were correct for the 25 international and 25 domestic stations randomly heard. The results were (each figure out of 5x25 = 125 possible):

	WRTH		SWFG	
	Int'l	Dom.	Int'l	Dom.
Analysis result	123	125	123	124
Sum (Max. 250)	248 (99.2%)		247 (98.8%)	

This year both the WRTH and the SWFG get results, which are improved from last year and now nearly perfect!

But I still notice that the SWFG has a wrong transmitter name on AIR Jeypore on 5040 kHz as AIR Jaypur (a homemade German word?), not to be mistaken with AIR Jaipur on 4910 kHz. I have also stated this error the past five years!!!

Conclusions

Once more, the editors of both Handbooks have done a tremendous work to gather up-to-date broadcasting schedules and other information for the B15 period. The Handbooks are very useful for the DX-er and ordinary shortwave listener and are at a very high accuracy level and can hardly be much better!

Listener's Notebook

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

Times are UTC and frequencies in kHz.

ARMENIA The *Foreign Service of Armenian State / Public Radio* is now on the air daily at 1530-1845 on 4810 (confirmed) & MW 1314 (unconfirmed). The station announces various IDs e.g. in Greek "Milai Yerevan" (=speaking Yerevan), in Turkish "Burase Yerevan" (Here is Yerevan), in Farsi "In Sedaye Armenia" (The Voice of Armenia) etc. (Rumen Pankov-Bulgaria/British DX Club)

4810, *Armenia Public Radio* Yerevan, 1658-1720 and 1830-1840, 27-12, Armenian comments and songs, identification at 1701: "Yerevan..." at 1830 program in Arabic. 33433. (Méndez-Spain/PlayDX)

AUSTRALIA 5025, I got an e-QSL-letter from *ABC Local Radio Katherine* for reception 30 Oct 2015 at a fq of 5025. The report sent e-mail: reception.advice@abc.net.au. Confirmation on the form ABC obtained by Elaine Erskine. (Dmitry Kutuzov-RUS, "deneb-radio-dx", via A. Klepov-RUS, RUSdx)

Kununurra expansion: The third 100 kW shortwave transmitter is on its way from Elkhart; expected to be delivered March 2016. The first broadcast using our newly refurbished transmitter will air in the first half of 2016. This will give *Reach Beyond Australia* added transmission capacity as well as greater flexibility to deliver programs at the best listening times. We have a great opportunity to enhance our reach into India. (Eike Bierwirth-D, hcdx Jan 15)

BANGLADESH 4750, *Bangladesh Betar*. 1700 UT on Nov 13. Subcontinental MX then time pips and ID by man. Into news. Off at 1706. Seemed to continue on 7250 kHz under heavy splatter from co-channel CRI: SIO: 222. (Zeljko Crncic-D, wwdxc BC-DX TopNews Dec 12)

BOLIVIA 4699.9, we seem to have lost *Radio San Miguel*, Riberalta another silent Bolivian. (Bob Wilkner-FL)

5952.45, *Radio Pio XII*, Siglo XX, 0005-0017, 25-12, Spanish comments and Bolivian music. Best on LSB. 14321. Also 2345-2353, 26-12, Spanish, comments.

14321. (Méndez-Spain/PlayDX) 5952.45, R. Pio XII, Siglo XX, 28/12; 2320-0020, 33333, px news religioso bilingüe español y Quechua ID "Pio XII". (Pedro F. Arrunátegui-Perú/DXplorer)

6025.00, *R. Patria Nueva*, La Paz; 4/01, 0015-0040, 44444, px politico tratan sobre la democracia y mx no pasaron ID. (Pedro F. Arrunátegui-Perú/DXplorer)

6105, *Radio Panamericana* seems to have become a rarely heard station since July 2015. This coincides with the death of the founder Miguel Dueri Anton Maria on 30 July 2015 and the apparent relaunch of their website <http://panamericana.bo/>. The coloured header of the site only mentions 96.1 MHz and 580 kHz while further down the short wave frequency is still included in a list which also mentions 106.3 MHz for the provinces. Looking at the given schedule one might also note that the station closes two hours earlier in the weekend compared with the weekday schedule. UTC schedule: 10.00-03.00 Mo-Fr, incl. 12.25 and 15.30 Contacto con la VOA. 11.00-01.00 Sa Su. If the transmitter is broken or failing, it is unlikely that short wave will be given any investment before January 2017, because the station's licence is coming up for renewal and the station does not necessarily comply with Presidente Evo Morales' views. (Prof. Dr. Hansjoerg Biener-D, via wwdxc BC-DX TopNews Dec 29)

BRAZIL 4755, *R Imaculada Conceição*, Campo Grande, MS, reactivated with programme from Rede Milícia Sat, 2055, Dec 29, female wishing a Happy New Year to all, she passes the phone number of the station. This station is very irregular. Rede Milícia Sat communication belongs to Associação Milícia da Imaculada in São Bernardo do Campo, SP, where its administration is located. Until some time ago, João Bosco in Campo Grande, MS, was the only operator. Since then there was no one responsible for directing the station in that city. (Wyllans in HCDX/DX Window) R Imaculada Conceição, Brazil, reactivated on 4755. (Petersen-Denmark/DX Window)

9819.35, *R 9 de Julho*, São Paulo, SP, 0804-0840, Jan 10, religious comments and songs, ID: "Rádio 9

de Julho Católica, AM 1600, ondas curtas 9820 kHz, São Paulo, Brasil", "6 horas y 6 minutos", 34433. Also heard at 2018-2130, Jan 13, Portuguese religious comments, ID: "Rádio 9 de Julho, AM 1600". At 2100 "A Voz do Brasil", 34433. (Méndez-Spain/DX Window)

10000, *Time Signal Station Observatorio Nacional*, Rio de Janeiro, RJ, 0810-0820 and 2009-2015, Jan 02 and 10, time signals "Observatorio Nacional, 18 horas, 9 minutos, 40 segundos", 23322. (Méndez-Spain/DX Window)

11735, *Radio Transmundial*, Santa María, 0850-0920, 03-01, Portuguese, religious comments, identification: "Radio Transmundial, ondas curtas..., transmundial.com.br." 24322. (Méndez) (Méndez-Spain/PlayDX)

11895, *R Boa Vontade*, Porto Alegre, RS, 2022-2112, Jan 02 and 13, Portuguese religious comments, "A Voz do Brasil". 24322. (Méndez-Spain/DX Window)

BULGARIA 7290, *IRSS Milano* via Kostinbrod, *1900-1913, 15-01, tuning music, identification: "IRRS, Milano, Italy", English, news, United Nations news. No Radio City program. 33433. (Méndez-Spain/PlayDX)

9510, *IRSS Milano* via Kostinbrod, 0901-0925, 16-01, English, comments, at 0904 Radio City program, id. "Radio City, the station of the cars, Radio Ciudad, la voz de los coches..." English comments and pop music. Good signal. 45444. (Méndez-Spain/PlayDX)

CHINA This can be seen as breaking news! Please read the contents of an E-mail message received a few minutes ago from *CRI* (They say they are in financial troubles!): "Dear Mr. Napolitano, We are thankful for your reception report and audio file. We can't send you a QSL card by air mail due to our financial difficulty, anyway, we send you a verification of your report as follows. We are glad to verify your reception report on our program transmitted on 17630 kHz at 15:23 hours-15:50 hours UTC dated January 12th, 2016. Your further reception reports on our broadcasts are welcome. Yours sincerely, Ying Lian, English Service China Radio International, <http://english.cri.cn>. (Antonello Napolitano-Italy/PlayDX)

4850.00, 0140-0150, 7.1, *Xinjiang PBS*, Urumqi. Kazakh talk with short musical interludes. 45233. (Anker Petersen-Denmark/PlayDX)

4970, *CNR1*. For years I have enjoyed hearing AIR Shillong here during my normal listening time (1200-1400). Dec 16 heard *1055 with AIR IS, followed by IDs in both Hindi and English. Dec 15 and 16 QRM from CNR1 (clearly // 6125), mixing with AIR about 1300. Have never heard this before. Why would I now be hearing China here? (Howard-CA/DX Window) Neither the WRTH nor Klingenfuss have this CNR1 in their 2016 handbooks! (Ed/DX Window)

6145, *Qinghai PBS*, Xining, 1319-1400, Jan 13, 14 and 15, re-activated again; clearly // 9780; in Chinese with music show, mostly pop Chinese songs, but one in English ("Good Time"), started poor but improved to fair; 1400 covered by both RTI and CNR1 (jamming) signing on. (Howard-CA/DX Window)

CHINA (TIBET) 5935, *Xizang PBS*, Lhasa, Tibet, 1955-2009, Jan 01, ID, Chinese song, this song is starting from the end of last year, the starting time of carrier signal has been late a little, 35333. (Wagai-Japan/DX Window)

CLANDESTINE Excellent reception of *Eritrean Forum Medrek*:

1700-1800 11720 ISS Tigrinya Tue/Fri/Sun (DX Mix-Bulgaria)

Echo of Hope

1200-1800 daily Korean on 4885suw (add) (WRTH Update)

Radio Erena

1700-1730 daily Tigrinya on 11850sof, ex 11855
1730-1800 daily Arabic on 11850sof, ex 11855 (WRTH Update)

SPL relay *Dimtse Radio Erena* on unregistered frequency on Dec.28

1700-1730 NF 11850 SCB Oromo, instead of registered 11855

1730-1800 NF 11850 SCB Arabic, instead of registered 11855 (DX Mix-Bulgaria)

Denge Kurdistan, transmitter change from Secretbrod to Issoudun:

1500-1700 on 9400 SOF Kurdish
1700-2000 on 9400 ISS Kurdish
(DX Mix-Bulgaria)

Good reception of *Radio Dandal Kura*, Dec.18:

1800-2100 on 12050 ASC Kanuri
(DX Mix-Bulgaria)

Radio Biafra - Revised Winter Schedule 2015/2016

2000-2300 daily English on 11600sof
(WRTH Update)

Radio Biafra resumed its shortwave broadcasts via Kostinbrod 2000-2300 11600 SOF English eff. from Dec 14. (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Dec 15) *Radio Biafra* has resumed SW broadcasts and can be heard daily at 2000 on 11600. (*Biafra Herald* 14 December via MWB) Bulgarian SW Blog confirms *Radio Biafra* testing from 2000-2300 on 11600 via Spaceline, Bulgaria. Very weak signal here in UK at this time. (Alan Pennington-UK/British DX Club)

Republic of Yemen Radio / Radio Sana'a

0000-2400 Daily Arabic on 11860. Notes: Broadcasts in support of Yemeni president Hadi, reported to be using transmitter in Saudi Arabia. (WRTH Update)

Republic of Yemen Radio in Arabic is now observed 24 hours a day on 11860, thought to be relayed via Saudi Arabia although the actual site has not yet been confirmed. A lively debate is ongoing among online DXers as to which site might be carrying 11860. This station broadcasts in support of disputed Yemeni president Hadi. (Alan Pennington-UK/British DX Club)

New updated winter B-15 schedule for *Voice of Tibet*:

1200-1215 NF 15537 DB Chinese, ex 15547
1215-1230 NF 15543 DB Chinese, ex 15538
1230-1245 on 15568 DB Tibetan unchanged
1245-1300 NF 15573 DB Tibetan, ex 15562
1300-1315 NF 11992 DB Chinese, ex 15542
1300-1315 NF 13582 DB Tibetan, ex 15568
1315-1330 NF 11992 DB Chinese, ex 15548
1315-1330 NF 13582 DB Tibetan, ex 15562
1330-1345 NF 11998 DB Chinese, ex 15543
1330-1345 NF 13582 DB Tibetan, ex 15568
1345-1400 NF 11998 DB Chinese, ex 15537

1345-1400 NF 13582 DB Tibetan, ex 15568
1400-1415 NF 11507 DB Tibetan, ex 15542
1400-1415 on 15560 MDC Tibetan unchanged
1415-1430 NF 11513 DB Tibetan, ex 15548
1415-1430 on 15565 MDC Tibetan unchanged
2300-2315 NF 7597 DB Tibetan, ex 7592
2315-2330 NF 7603 DB Tibetan, ex 7597
(DX Mix-Bulgaria)

Radio Free Sarawak is again on air, Jan. 4:

1030-1200 on 15420 PUG Iban Mon-Sat. Confirmed via SDR units in Hong Kong and Sydney. (DX Mix-Bulgaria)

7030, a station in Urdu is heard before -1100v and 1300v-1430v. I haven't got any station ID, but it sounds very much like *Voice of Jammu & Kashmir Freedom Movement*, heard earlier on 3995. Thanks for the tip and help to Hiroyuki Komatsubara, Seichi Hasegawa and Abid Hussain Sajid. (Mauno Ritola-Finland via Ralph Perry-IL)

A Canadian broadcaster, David Smith, has established a radio station focused at combating Boko Haram insurgency and its ideology. The channel, *Dandal Kura*, will air on shortwave from Nigeria to discourage people from violence. *Dandal Kura*, Kanuri words for meeting point, targets mainly the Kanuri and Hausa-speaking communities of Nigeria where Boko Haram has conducted a brutal insurgency since 2009. Mr. Smith, a veteran crisis and conflict news reporter, set up the first UN-supported conflict-zone radio in the Balkan region in the 90s during the war in Yugoslavia, and later established a similar project in Bangui, the capital of the Central African Republic. He set *Radio Bar-Kulan* (meaning a meeting place in the local language) in Somalia, and later established *Radio Okapi* in the Democratic Republic of Congo. Speaking when he visited *Premium Times* recently, David Smith said the station targets about 9 million people in the Lake Chad basin in Kanuri. The station currently operates for six hours - from 6am to 8am on 7415; 8am to 9am on 15480; and 7 to 10pm on 11830. (Jose M. Romero-ESP, hcdx)

Radio Biafra testing on 11600. *Radio Biafra* heard back on air this evening with live broadcast on 11600 (thanks to Mike Barraclough's post on PCJ Media F_B of report in newspaper *The Biafra Herald* 14 Dec about their return to shortwave). Audio on 11600 only heard here from around 2008 - continuous music songs (including national song/

anthem?) until 2053 when live male announcer in English came on air from London (announced time "3 minutes to 9 here in London"). Still speaking at 2110 including announcing UK 'phone numbers and mentioning testing shortwave 11600. Very weak here in Caversham. Stronger on Twente SDR receiver, on clear channel with moderate fading with fair peaks. 11600 is // to stream on website <radiobiafra.co> [later] had faded out (or gone off) listening on Twente rx by 2135 check, though continued online via website including a live 'phone-in (some callers mentioned FM) and announcement at 2200 of protest at US, UK and Nigerian embassies in Vienna at 10.30am 17 Dec. (Alan Pennington-UK, BrDXC-UK Dec 15)

11600, *Radio Biafra* reported to have resumed shortwave broadcasts. Kostinbrod is a 55-year-old installation. SpaceLine Ltd. often provides any other organization the performance of shortwave broadcast test releases, practically as a gift. The investments of the FORMER Bulgarian radio with possibility to reach shortwave target in West Africa to send transmissions at Stolnik site of 3 x 240 degrees curtains, all installation masts were scrapped in August 2014. The Broadcasting Center Plovdiv with 1 x 225 and 1 x 235 degr curtains was scrapped after the month May in 2011. At Kostinbrod, the following Curtain antennas are available - all acc Google Earth - if they are still technically usable intact - 1 x 170degr, 6 x 195degr. I do not see any 270 degrees azimuth Curtain antenna in Kostinbrod. This statement by Ivo concerning Azimuth 270 degrees - I do not see. (Wolfgang Büschel, Germany, wwdxc BC-DX TopNews Dec 17)

"Biafra cannot be defeated" many thought it's a mere word but it is a reality. Recall that Nigerian government spent millions of dollars to stop Radio Biafra from broadcasting but one thing about Biafrans is that, we don't accept defeat; we love challenges because it makes us stronger. Today we are back on shortwave after Nigerian government spent millions of dollars taxpayers' money trying to stop Radio Biafra. All Biafrans and friends of Biafra can now go to 11600 kHz at 25 meter band to cherish the gospel of truth, Broadcasting time is 8pm London time, 9pm Biafra land time. We are unstoppable because Chukwuka Okike Abiama is on our side. Wole Soyinka to federal government of Nigeria "Biafra Cannot Be Defeated". (Ivo Ivanov-BUL, hcdx via wwdxc BC-DX TopNews Dec 15)

COLOMBIA 6010.00, *La Voz de Tu Conciencia*, Bogotá; 1/01, 0045-0105, 33333, mx joropo ID "La Voz de tu Conciencia" mx varias de LA. (Pedro F. Arrunátegui-Perú/DXplorer)

CONGO REPUBLIC 6115, *Radio Congo*, Brazzaville, 1725-1829*, 27-12, French, comments, at 1745 Vernacular comments and songs, at 1801: "Radio Congo, le journal", news, French, at 1822 "La musique de Radio Congo", musical program. Signal cut off at 1829. 13321. (Méndez-Spain/PlayDX) 6115, R Congo, Brazzaville, 1752-1825, Jan 02, French comments, 13321. (Méndez-Spain/DX Window) 6115 Radio Congo, Brazzaville, sleepless due to surgery after effect so DXing late and happy to hear Congo here on 6115 from 0605 tune in. First pgm seemed almost religious in nature, perhaps morning reflections type show, with OM speaker in FF and organ style mellow mx. At 0615 pgm changed, OM FF anmts and intro Africal chorus mx. At 0620 a plinky-plonky xylo type instrument repeating, like an IS, then OM FF anmts. More variety mx. Signal still there right now at 0623 with African mx. Peak was around 0620. No ID so must call it tentative but I am very comfortable saying this is Brazzaville. (Ralph Perry-IL)

CUBA 5025, *Radio Rebelde*, Bauta, 0853-0905, 10-01, Cuban and Latin American songs, program "Presencias", at 0858 news: "Lo que necesitamos para estar al día, las noticias", 0900: "Segunda hora de Presencias". 34433. (Méndez-Spain/PlayDX)

ECUADOR 6050, *HCJB*, Pichincha, *0825-0840, 10-01, tuning music, anthem, Quechua, identification: "HCJB Quito, AM 690, 6050 onda corta", time signals, Quechua comments, Ecuadorian music. 24322. (Méndez-Spain/PlayDX)

ECUATORIAL GUINEA 5005, *Radio Nacional*, Bata, 0545-0613, 27-12, Spanish and African songs "6 de la mañana con 48 minutos en Radio Bata", greeting and answering listeners letters, "felicitaciones al año nuevo, "La radio Bata, la estación continental" , " las 6 de la mañana con 56 minutos" .., at 0600 news, Spanish. Signal very clear, like years ago but at 0600 became very weak perhaps reducing power. 24443 but at 0600 14221. (Méndez-Spain/PlayDX) 5005, Radio Nacional, Bata, 0653-0712, 01-01, comments, very weak, barely audible. 14221. (Méndez-Spain/PlayDX) Also heard 0535-0712, Dec 27 and 28, Jan 01, Spanish and African songs "6 de la mañana con 48 minutos en Radio Bata", greeting and answering listeners let-

ters, "felicitaciones al año nuevo, "La radio Bata, la estación continental", "las 6 de la mañana con 56 minutos", at 0600 news in Spanish. Signal very clear in Spain like years ago, 24443, but at 0600 became very weak perhaps reducing power, 14221. (Bueschel-Germany and Méndez-Spain/DX Window) 5005, R Bata (presumed), Bata, 0530, Jan 07, Spanish, Christian programme reading from the Bible, 25332. (Pankov-Bulgaria/DX Window)

EGYPT Mailman brought a battered envelope yesterday, brown paper, containing a tourist guide to Egypt, a map, two QSL cards and a picture postcard from **Radio Cairo**. Not sure why this took so long, haven't send reports or follow ups to Cairo since at least two years ago. (Ralph Perry-IL)

ETHIOPIA 6030.00, 0415-0425, 2.1, **R Oromiya**, Adama. Oromo talk, Horn of Africa song. 45434. (Anker Petersen-Denmark/PlayDX) 6030, Dec 26, 2005, Radio Oromiya, Ethiopia, nice songs, good (Bernardini-Italy/SWBulletin)

6090.00, 0420-0430, 2.1, **Voice of Amhara State**, Geja Jewe. Amharic talk, Horn of Africa song, weak heterodyne. 34333. (Anker Petersen-Denmark/PlayDX)

6110.00, Jan 2, 0425, **R Fana**, Addis Ababa Amharic phone-in interviews, splashes from 6105. (Anker Petersen-Denmark/SWBulletin)

GERMANY 3995.00, *0400-0410, 2.1, **HCJB** Weenermoor. Fanfare, Russian religious talk, hymn. 35232. (Anker Petersen-Denmark/PlayDX)

5905, 2004-2030 5905 PIN 010 kW in German in CUSB with strong signal of **Deutscher Wetterdienst** on January 13. (DX Mix-Bulgaria) 5905, Deutscher Wetterdienst, Pinneburg. First time heard for me, the ten kW Germany weather station. From 0620 tune in, deep fades but nice on peaks. YL in GG with weather conditions, sounds like reading lists of numbers or something, very echoey quality to signal. O/c from 0628 and then xmtr s/off at 0631. (Ralph Perry-IL)

6185.00, **NDR Hamburg 90.3 FM** relayed by Nauen, *1900-1920, Dec 24, German news and weather, 1904 "NDR Info 90.3" with "Grüss an Bord" to 83 German ships in the Atlantic and Indian Ocean. Song and audience clapping, interview about hospital treating sick seamen, song, "3 netten Damen" sending greetings to family members at sea, Merry

Christmas song, 45544/45333 // Moosbrunn 9810 (55444/55444), Issoudun 9830 (45344), Nauen 9885 (35433/15121) and Issoudun (55444). (Ghibaudo-France/Petersen-Denmark/DX Window) At 2100 also on 6040 (45444), 9515 (35443), 9655 (44444), 9765 (45544) and 9830 (45544). (Ghibaudo-France/DX Window) Heard well 19-2100 on 6185. (Allen Dean-UK/British DX Club) I didn't see any solid reports in North America this year. (RAD)

Frequency change of **Mighty KBC Radio** effective .Jan.9, 2016:

2300-2400 NF 6040 NAU English Sat, ex 7395
0000-0200 NF 6040 NAU English Sat, ex 7395
(DX Mix-Bulgaria)

GREECE **Voice of Greece** was back on SW Dec 28 after 5 days absence:

1500-2110 on 9420 AVL Greek (DX Mix-Bulgaria) The station was more reliable after everyone was fired and the employees refused to leave the premises. (RAD)

Voice of Greece was back again on shortwave on January 5 with the multiple tone/hum/whine tx problem, as of 9935 several months ago (DX Mix-Bulgaria)

GUATEMALA 4055, **Radio Verdad**, Chiquimula, 0550-0608*, 03-01, religious comments and songs in English, identification in various languages: "Esta es la estación evangélica Radio Verdad, Chiquimula, Guatemala, Centroamérica", anthem and close down. 14321. (Méndez-Spain/PlayDX)

GUYANA 3289.9, **V. of Guyana**, Georgetown @ 0130 tonight, 28 Jan, putting in a good clear signal w/ music program of Caribe, Reggae & C&W music. No announcements heard for over 30 minutes. Finally YL w/ complete ID at 0215 with frequency announcements including SW. UTE QRM is very low so audio is very listenable. Last night I didn't get a trace of them. (Stephen C Wood-MA)

INDIA AIR Panaji SW tx problem. The following schedule is noted via Bengaluru, ex Goa Panaji.

1315-1415 on 11560 Dari
1415-1530 on 11560 Pushto
1615-1730 on 7505 Hindi
1730-1830 on 7505 Malayalam.

Also via Bengaluru (ex Goa Panaji) 9810 at 1215-1245 Telugu. Off air: 9810 1115-1215 Tamil via Goa Panaji. Off air: 12025 1615-1830 Hindi, Malayalam via Goa Panaji. Due to problems with 250 kW transmitters of AIR Panaji, many of their services are now transmitted via AIR Bengaluru (500 kW) etc. Hence Vividh Bharathi Service at 1245-1710 on 9870 is cancelled. (Jose Jacob-India, VU2JOS, DXIndia Dec 3/4/6 via TopNews)

4760, Dec 30, -1701*, **AIR Port Blair** with sign off 1700:55. Have monitored this frequency for a few days and no sign of AIR Leh. Most likely transmitter problems as I believe Leh was the one producing a lot of weird spurious signals ending at 1630. (Thomas Nilsson-Sweden/SWBulletin)

4800.00, **AIR Hyderabad**, 0155-0212, Jan 03 and 07, Hindi conversation and song, 35233. (Méndez and Petersen). Also heard at 1443, Jan 10, song, conversation, 24222. (Ashar-Indonesia/DX Window) Also heard at 1545-1548, Jan 15, English, 32332. (Mille-France/DX Window)

4835, **AIR Gangtok**, 1626-1629, Jan 12, talk, 25331-2. (Mille-France/DX Window)

4895.00, 0130-0140, 7.1, **AIR Kurseong**. Hindi talk, 0135 jingle, talk by another person. 34233 Hum in USB. (Anker Petersen-Denmark/PlayDX)

4910.00, 0125-0135, 7.1, **AIR Jaipur**. Rajasthani talk, 0130 time signal, talk by another person maybe in Sindhi. 24232 QRM Xizang 4905. (Anker Petersen-Denmark/PlayDX)

5010.00, *0018-0125, 6+7.1, **AIR Thiruvananthapuram**. AIR IS, "Vande Mataram" hymn, Malayalam talk (news?) and song, 0135 English "AIR"-ID, news, Malayalam talk. 25232. (Anker Petersen-Denmark/PlayDX) Also heard at 1552-1741*, Jan 02, 13 and 15, Hindi music, at 1730 ID: "This is All India Radio" and news in English, 14321. (Méndez-Spain and Mille-France/DX Window)

A project for Technical audit of MW and SW services of All India Radio for its Reach and Effectiveness has been undertaken by Prof. Girish Kumar, Electrical Engineering Department, IIT Bombay. There are nearly 150 MW transmitters, around 50 SW transmitters and 410 FM transmitters in India. Our team would be doing radiation measurement all over India. As part of the project, we also have to do survey for estimation of number of people

listening to MW and SW bands and the quality of programs being aired. The purpose of all the above is that FM radios are now wide spread and people may not be listening to MW and SW. Majority of the mobile phones and car radios have FM radio, but not MW and SW radios. MW and SW have been in existence for the last six decades, but now the question is: are these still useful? This project is of great national importance, since Prasar Bharati is making financial losses of around Rs.10,000 crores annually and also consuming massive electrical power and other resources. We need to collect the data from 10,000+ people, which will help Prasar Bharati to take a policy decision. I request you all to please contact your relatives, friends, etc. in various parts of the country to give their feedback. Please find the form below comprising of the details regarding All India Radio services. Yours and your friends/relatives early response will be greatly appreciated. Please fill in the survey here: <http://tinyurl.com/jx7croc>. (Gupta in DX-India, Jan 06/DX Window)

INDONESIA 3905 RRI Merauke tuned 1443 w/ Indo songs. Woman ancr at 1452 w/ station ID and frequency then into man ancr w/ inst music in backgnd, song by woman at 1457. "Song of the Coconut Islands" at 1600 w/ woman ancr 1601-01.5 then back to Song. Carrier off at 1603. Nice lvl this morning SINPO 35443 w/ no ARO QRM. (Bruce Churchill-CA/DXplorer)

Voice of Indonesia was back on shortwave on 9525.0, instead of long time off-channel use of 9526. Schedule:

1000-1100 on 9525 English
1100-1200 on 9525 Chinese
1200-1300 on 9525 Japanese
1300-1400 on 9525 English
1400-1500 on 9525 Indonesian
1500-1600 on 9525 Chinese
1600-1700 on 9525 Arabic
1700-1800 on 9525 Spanish
1800-1900 on 9525 German
1900-2000 on 9525 English
2000-2100 on 9525 French
(Ivo Ivanov Bulgarian SW Blog/British DX Club)

ITALY After more than 30 years **Italian Broadcasting Corporation** (IBC), the most famous free short wave radio from Italy, heard in most continents, has returned to airwaves at the beginning of 2016. Here is a message for the next broadcast: "Dear listeners,

we will broadcast again on Friday 29 January on the frequency of 6970 from 1200, and then probably on 3905. Please spread the news and report to ibc@europe.com. Thank you from the Italian Broadcasting Corporation crew! <https://www.facebook.com/IBC-Italian-Broadcasting-Corporation-42794031466>. (Antonello Napolitano-Italy/PlayDX)

KOREA (SOUTH) KBS World Radio English broadcasting times and frequencies Oct 25, 2015 – March 26, 2016:

English

0200-0300 on 9580, 9690
0800-0900 on 9570
1100-1130 on 9760 (WOF)
1230-1330 on 6090
1300-1400 on 9570, 15575
1400-1500 on 9640
1600-1700 on 9515, 9640
1800-1900 on 7275
2200-2300 on 11810
(Station Direct)

Reception of *Echo of Hope* on January 12:

1430&1530 on 4885 HWA Korean
1430&1530 on 6003 HWA Korean
1430&1530 on 6250 HWA Korean
1430&1530 on 6348 HWA Korean
(DX Mix-Bulgaria)

4885, *Echo of Hope* – *VOH*, Sagang Hwaesong, 1105-1221, Jan 11 and 16, with the usual good signal and still not jammed. (Howard-CA/DX Window)

KYRGYZSTAN 4819.87, 0150-0200, 7.1, *Kyrgyz R 1*, Krasnaya Rechka. Kyrgyz ann, orchestra music by Tjaikowsky, heterodyne from Xizang 4820, 22222 // much better 4010 (45333). (Anker Petersen-Denmark/PlayDX) 4819.87, *Kyrgyz R 1*, Krasnaya Rechka, 0150-0200, Jan 07, Kyrgyz ann, orchestra music by Tjaikowsky, heterodyne from Xizang 4820, 22222 // much better 4009.89 (45333). Also heard at 0320-0330, Jan 14, Kyrgyz conversation, 25222. (Petersen-Denmark/DX Window)

LAOS Lao National Radio - Revised Winter Schedule 2015/2016

1330-1400 daily Khmer on 6130vie
1400-1430 daily Chinese on 6130vie
1430-1500 daily English on 6130vie
1500-1530 daily French on 6130vie

1530-1600 daily Thai on 6130vie
1600-1630 daily Vietnamese on 6130vie
(WRTH Update)

6130.0015, *Lao National Radio* in Laotian language from Vientiane, rather in close nighttime skip zone? Only S=9+10dB or -62dBm signal observed at 1245 on Jan 8. Heard on Uwe's remote Perseus in Thailand. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Jan 8)

LIBERIA 6050, *ELWA Radio*, Monrovia, 0626-0645, 03-01, English, religious songs and comments. 14321. (Méndez-Spain/PlayDX)

LITHUANIA 6165, *NHK World Radio Japan* via Sitkunai relay site, verified an electronic report sent by E-mail nhkworld@nhk.jp and via their website to Russian section with p/d QSL card in Russian and program schedule in 34 days. (Antonello Napolitano-ITA, via Anatoly Klepov-RUS, RUSdx)

MADAGASCAR Good reception of BaBoCk *RTE Radio One*, Dec.28

1930-2000 on 5820 English Mon-Fri
(DX Mix-Bulgaria)

MALAYSIA 9835, *Sarawak FM*, via Kajang, 1350, Jan 11, Malay, pop songs with DJ, 32432 // 11665 (!) (Pankov-Bulgaria/DX Window)

11665, *RTM Sarawak*, Kajang, 0203, Jan 13, talk on cucumber, 34232. (Ashar-Indonesia/DX Window) Also relaying Wai FM, 1508-1542, Su Jan 10, DJ in vernacular playing all C&W (American) songs, gave song titles in English, fair. (Howard-CA/DX Window)

MALI 5995, *R Mali*, Bamako, 0648-0712, Jan 03 and 14, vernacular songs, at 0703 ID: "Radio Mali, emetant du Bamako", French, news, 23322. (Méndez-Spain/DX Window)

9635, *Radio Mali*, Bamako, *0800-0826, 14-01, tuning music, French, id.: "Radiodifusion TV du Mali emettant du Banako", comments. 24322. (Méndez-Spain/PlayDX)

MOLDOVA Frequency change of *Trans World Radio Africa*:

0330-0345 NF 9400 KCH, ex 11655, as follows: Amharic Sun/Mon/Fri, Oromo Tue, Sidamo Wed/Thu. (DX Mix-Bulgaria)

MONACO *Radio Monaco* - Revised Winter Schedule 2015/2016 in SSB:

1157-1200 daily French on 4363mco, 8728mco, ex 1200-03.
(WRTH Update)

MONGOLIA 12035, *Voice of Mongolia*, Ulaanbaatar, *0900-0912, 14-01, tuning music, English program, id.: "Welcome to the Voice of Mongolia in English", comments. 23322. (Méndez-Spain/PlayDX)

MYANMAR 5914.99, *Myanma R*, Naypyidaw, 1253, Jan 08, in undoubtedly Burmese - or similar dialect, S=9+25dB much powerful in Thailand SDR server unit. (Bueschel-Germany/DX Window)

5985.0, *Myanma R*, Naypyidaw, in DX-Window 545 I saw that Myanma Radio relaying VOA. I heard NHK World programme in Myanmar language on December 11, so I asked whether they relay NHK not only in English, but also in Myanmar. The QSL manager verified my report and confirmed also the suspect: "We are broadcasting some programs from "NHK World Radio" that we had contracted with NHK to relay programs in Myanmar and in English. NHK is broadcasting in Myanmar and English language". (Nurmela-Finland/DX Window)

7200, Jan 4, 1300-, Myanmar Update: Jan 4 was another day of not only CNR1 (jamming) continuing on past usual cut off time of 1300, but RTI also kept going. Myanmar was also noted mixing with the other two. Assumed they would all close down at 1400, but not so. Myanmar Radio stayed on all alone till suddenly off at 1437*; after 1400 was completely in the clear when I tuned in at 1406; some ham QRM, but mostly fair/good reception. (Ron Howard-CA/SWBulletin)

NEW ZEALAND 13840, QSL. I got an electronic QSL from *Radio New Zealand International* for enrollment for English 24 Nov 2015, at 1100 on 13840 frequency. The card - Kiwi bird with the flag of New Zealand and confirmation data. Message sent through the form on the site RNZI. The report confirmed Adrian Sainsbury, Frequency Manager. (Dmitry Kutuzov-RUS, "deneb-radio-dx" via Anatoly Klepov-RUS, RUSdx)

NIGERIA *Radio Nigeria Kaduna* was back again on shortwave (DX Mix-Bulgaria) 6089.87, R. Nigeria, Kaduna - on the air right now, 2202, w/ a good signal. Strength is S8 w/only slight interference. Dr. Scott seems to be trying to tune on but

his signal is only producing a strong het at the moment. (Stephen C Wood-MA)

OMAN Good signal of *Radio Sultanate of Oman*:

1400-1500 on 15140 THU English
(DX Mix-Bulgaria)

15140, *R. Sultanate of Oman* w/ EE service relaying 90.4 FM tuned at 1430 just fading into audibility, improving to S3 after 1445 at SoCal sunrise and Oman sunset. EE FM relay went well past nominal 1500, perhaps because of the "Musqat Festival 2016" which runs from January 14 to February 13. At 1506.5 there was a gap in the pgm and at 1508 a man ancr was hrd "Now listeners, it's time for the Call to Prayer" fol by a station ID then into another gap until 1509.5 when Pop music resumed w/ a woman ancr. At 1630 still in EE. (Bruce Churchill-CA/DXplorer)

PALAU Good reception of *Radio Que Me* via T8WH Angel 3, Jan.8

1200-1230 on 9930 HBN Vietnamese Fri
(DX Mix-Bulgaria)

Living Water Ministry Broadcasting (Rlg) - New Entry - Winter Schedule 2015/2016

1530-1630 Wed Korean on 9650pug. Notes: On SW since January 2016.
(WRTH Update)

PAPUA NEW GUINEA 3260, *NBC Madang*, 1154-1206*, Jan 26. DJ in Pidgin/Tok Pisin playing pop songs; suddenly off; poor. Also heard Jan 27. (Ron Howard-CA)

7324.9, *Wantok Radio Light* is audible in the switching breaks from China at 1258 and 1358 on Jan 11. At 1358 I could record the national anthem. Very happy with that recording! (Christoph Ratzer-Austria/SWBulletin) 7324.0, Jan 11, 0820, Wantok Radio Light audible when the powerhouse on 7220 signed off at 0815. Slowly fading away into only a visible carrier. (Thomas Nilsson-Sweden/SWBulletin) 7324.94, Wantok Radio Light, 0842-0957, Jan 27. One of their better receptions; fairly readable. 0842-0900: Syndicated USA program "Fresh Touch" in English; request to write to "Fresh Touch c/o Wantok Radio Light, P.O. Box 1273, Port Moresby." 0901-0912: "NBC PNG regional news"; news, sports and weather in English; 0912-0913: Advertisement for "NASFUND" retirement savings

plans; "Your Partner in Superannuation." CRI transmitter turned on 0957. (Ron Howard-CA)

PERU 4747.60, *R. Huanta 2000*, Huari, Ayacucho; 13/01, 1105-1125, 44444, advs en español y Quechua Cooperativa de Ahorro Crédito Nueva Generación ID la dan todas las frecuencias que tienen, incluido los indicativos OA (escuchar grabación) mxf. (Pedro F. Arrunátegui-Perú/DXplorer)

4774.90, *R. Tarma*, Tarma; 16/01, 0005-0025, 44444, ID "Radio Tarma del Perú, la primerísima" mx por Pintura Roja. (Pedro F. Arrunátegui-Perú/DXplorer)

4955.00, *R. Cultural Amauta*, Huanta, Ayacucho; 13/01 1128-1150, 44444, mxf px en Quechua ID "en Quechua Radio Amauta" advs en Quechua. (Pedro F. Arrunátegui-Perú/DXplorer)

5460 Dec23 0011 *Radio Bolívar*, Bolívar - La Libertad, Peru hablando de alguno movimiento popular, OM "ha liberado" despues se paso musica tradicional Peruana. Yo creo que emiten con muy baja potencia, emisoras de Peru sienpre llegan "bien" en mi región. (Daniel Wyllyans Nova Xavantina MT Brazil via HCDX/SWBulletin) Not reported heard since June 2014. (Petersen/SWN DSWCI)

6174.03, *R. Tawuantinsuyo*, Cusco; 0050 - 0110, 44444, 13/01, nueva frecuencia 6174.038 (antes 6173.85) ya no hay el zumbido anterior, más limpio px news comentan tanto en Quechua y español (bilingüe) ID "A través de Radio Tawuantinsuyo" px Noticiero RT advs en Quechua. (Pedro F. Arrunátegui-Perú/DXplorer)

PHILIPPINES 9919.982, mixture of *FEBC* Manila Iba bcst center site transmission in (Vietnamese) hill tribe language of Koho (mentioned in Aoki Nagoya Japan database list). S=6-7 or -90dBm signal strength here in Germany at 1327 on Jan 16. But nearly at same audio strength level heard the minor 'Known howling sound siren' jamming from Vietnam, in order to protect hill tribe native people of foreign western missionary. (Wolfgang Büschel-Germany, wwdxc BC-DX TopNews Jan 16)

RUSSIA 6990, QSL Radio Komintern (Russia), e-QSL card received in 2 days for an e-report sent to 050353@mail.ru. (Sergej Rogov Bedford-UK, BrDXC-UK ng "Communication" magazine Jan) 6990, QSL Radio Komintern 6990 e-QSL with incorrect date received in two days for report with audio

clip sent to 050353@mail.ru. (Rafael Martinez, Catalonia-ESP, BrDXC-UK ng "Communication" magazine Jan)

SOLOMON ISLANDS 5020, *SIBC*, Honiara, 1137, Jan 16, decent open carrier, but no audio, just open carrier. Are they having problems? (Howard-CA/DX Window)

SOMALILAND 7120.00, *R Hargeisa*, Hargeisa, 0435-0445, Jan 02, Somali talk, jingle, Horn of Africa song, 25333. (Petersen-Denmark/DX Window)

SRI LANKA Good signal of *FEBA Radio*, due to absence of CNR-2 on Jan.8

1345-1400 on 9775 TRM Malayalam Wed-Sat
1400-1415 on 9775 TRM Tamil Sun/Mon/Wed/Fri
(DX Mix-Bulgaria)

SURINAME 4990, Jan 15, 0155- , *Radio Apintie*, Paramaribo, OM Talk in Dutch Language, Second time I hear the talk sound OM sometimes at the same time only listened to music. (Daniel Wyllyans Nova Xavantina MT Brazil via HCDX/SWBulletin)

SWEDEN 6060 LSB, *R Nord Revival*, Sala, 1100-1200, Sa Dec 26, Swedish. (Ivanov). Scheduled 1100-1300 and 1700-1900 also on 3975 AM 5 kW and 5940 A3H 10 kW. Reception reports can be sent to QSL@sdxf.se or by post to Sveriges DX-Förbund, Box 1097, SE-40523 Göteborg, Sweden. All reports will be verified by real QSL cards - not eQSLs - just the way Grandad used to do it. (Taylor, Dec 24/DX Window)

TAIWAN *Radio Taiwan International* in English:

1100-1200 daily on 11600tsh (add)
1500-1600 daily on 9465tsh (add)
1500-1600 daily on 11685tsh (add)
1600-1700 daily on 6180tsh (del)
0300-0400 daily Spanish on 5985yfr (ex 7730).
Notes: Tainan site has been closed and transmissions moved to other sites. (WRTH Update)

UNITED KINGDOM When Babcock announced the closure of Skelton it was stated that the SW transmitters would be mothballed, which means it's shut down but kept in working order, which presumably is still the case. There is also a VLF transmitter at Skelton - apparently the tallest structure in the UK - which is presumably still in use. (Dave Kenny-UK, SW TXsite Dec 13) I can confirm that the SKA facilities are stripped out and removed with the RIZ

Croatia 250 kW sender being removed and installed in Kranji Singapore. The later Skelton-C facility of 1991 is indeed mothballed; all senders, masts and antennas are present. The active parts (valves and vacuum capacitors) of the six senders have been removed and have been used at other Babcock sites. The senders could be placed into service if required with new replacements of these components. There would no doubt be a 12 week or so lead time before operations could recommence. The VLF continues from the SK site as does the Anthorn VLF and MSF 60 kHz service. (Dave Porter, G4OYX, SW TXsite ng Dec 13/TopNews)

USA Trunews via *WRMI* has reduced to only one frequency from 1 January:

0000-2400 on 9395
(WRMI schedule/British DX Club)

Pete Sumrall, son of the late Dr. Lester Sumrall, has died of a heart attack. He was 62 years old. Sumrall was president and CEO of LeSEA Broadcasting, which runs various TV and radio networks including World Harvest Radio (WHRI / T8WH). (Charisma news 7 Dec via Mike Terry/British DX Club)

UZBEKISTAN 15735, QSL - *NHK World Radio Japan* verified an electronic report sent by E-mail nhkworld@nhk.jp and via their website with two (!) real f/d QSL card including transmitter site Tashkent Uzbekistan in 14 days. (Antonello Napolitano-ITA, via Anatoly Klepov-RUS, RUSdx)

VIETNAM *Voice of Vietnam* English (englishsection@vov.org.vn) frequency list from 25 October 2015 from Hanoi-Sontay unless otherwise indicated:

0100-0130 on 6175 (Woofferton)
0230-0300 on 6175 (Woofferton)
0330-0400 on 6175 (Woofferton)
1000-1030 on 9840, 12020
1100-1130 on 7285
1130-1200 on 9840, 12020
1230-1300 on 9840, 12020
1330-1400 on 9840, 12020
1500-1530 on 7285, 9840, 12020
1600-1630 on 7220, 7280, 9550, 9730
1800-1830 on 5955 (Moosbrunn)
1900-1930 on 7280, 9730
2030-2100 on 7220, 7280, 9550, 9730
2330-0000 on 9840, 12020
(Station Direct)

YEMEN Almgidat Mojalli, 34, a freelance journalist working for the *Voice of America*, was killed in an air raid Jan. 18 in Yemen. He had been on assignment outside the rebel-held capital of Sanaa, VOA said. VOA said his reporting had been focused on "the human impact of the war and economic crisis in Yemen, often seeking out the most vulnerable victims." "Almgidat Mojalli's terrible death highlights the extreme risks reporters face as they cover the fighting in Yemen," added Committee to Protect Journalist Middle East and North Africa program coordinator Sherif Mansour in a statement. "All parties to this conflict must take every possible step to protect journalists trying to do their jobs." (Broadcasting & Cable/Radio World NewsBytes)

ZANZIBAR 6015, *ZBC Radio*, Dole, Zanzibar, *0256-0430, Dec 28, transmitter on at 0254, 0256 pop African music, time pips, which today was accurate, but on Dec 14 the time pips were noted at 0257. News, several monologues, 0430 brief chanting (identical to the one heard at 0344). (Howard-CA/DX Window)

11735, Zanzibar Brc. Co., Dole, 1801-1845, Jan 13, Swahili comments, 34433. (Méndez-Spain/DX Window) On Jan 16 at 1800-1810 again English news! (Ivanov-Bulgaria/DX Window)

The 19th edition of the popular "Broadcasting in Russian" handbook, edited by St. Petersburg DX Club, has been recently released. The handbook features all radio stations transmitting programmes in the Russian language in AM bands (on long, medium and short waves) at present, both from Russia and abroad. The handbook is in Russian and distributed as a hard copy only. Volume is 64 pages of A5 size. Please address your purchase requests and questions to St. Petersburg DX Club: Alexander Beryozkin P. O. Box 463, St. Petersburg, 190000, Russia or by e-mail: dxsp@nrec.spb.ru. The price is 5 EUR or 6 USD (including delivery by registered mail). (Alexander Beryozkin, St. Petersburg DX Club, via RUSdx #852 Dec 27)

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



Pirate Radio Report

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

Shortwave pirate broadcasting continued at a very brisk pace once again during the last month. Pirate broadcasting inevitably increases around major North American holidays. You ought to make your plans to listen to the increased pirate broadcasting activity that is certain to appear around Easter, which falls early this year on March 27. This traditionally is a major pirate radio holiday.

Further, the current winter DX season is still near its peak with substantial darkness paths between you and pirate transmitters. Thus, this is still an excellent time of year for pirate radio propagation.

Recent FCC busts of pirate radio stations have been dominated as usual by FM pirates. One went to Joseph Rodney for operating an FM pirate on 105.7 MHz from Bronx, NY. A second went to Everton Ladrack for operating an FM pirate on 92.5 MHz from Bronx, NY. A third went to Earl Armoogan for operating an FM pirate on 92.5 MHz from Bronx, NY. But, apparently Derek Jeter was not busted by the FCC for playing baseball in Bronx, NY.

In another New York City bust, the FCC issued a warning of unlicensed operation to Valerie Lowers of Brooklyn, NY for operating a pirate on 92.5 MHz. Obviously, this is a popular local frequency for pirate stations, even among female operators.

In a non-FM bust, the FCC issued a warning of unlicensed operation to Raising Cane's Chicken Fingers of Plano, TX for operating a LED sign that interfered with radio signals at the Addison, TX airport. But, the FCC failed to bust anybody for the constant QRM permeating the airwaves of Cleveland, OH that interfere with your columnist's radios.

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:

Amphetamine R. 6950 AM 2001-2015 12/13/15 very good. Prgm of rock mx, CW, and SSTV. (Ross-ON)

Amphetamine R. 6950 AM 2027-2142 12/13/15 good. Prgm of rock mx, CW, and SSTV w/USA NA at close. (Taylor, WI)

Amphetamine R. 6950 AM 0249 12/13/15 poor. Prgm of rock mx & CW ID. (Ross-ON)

Amphetamine R. 6950 AM 2054-2140 12/13/15 SIO=343. Prgm of rock mx, CW ID, and USA NA at close. (Lobdell-MA)

Bangalore Poacher 6951 AM 2312-2320 12/13/15 fair. Prgm of numbers, Lincolnshire poacher tunes, and remarks by OM. (D'Angelo-French Creek, PA)

Bangalore Poacher 6951 AM 0212 12/14/15 weak S5. Prgm of numbers, Lincolnshire poacher tunes, and tlk by OM. (Hauser-OK)

Bangalore Poacher 6951 AM 0126 12/26/15 poor. Prgm of numbers, Lincolnshire poacher tunes, and tlk by OM plus CW ID. (Hauser-OK)

Fredric Chopin R. 6950 2215-2257 11/22/15 SIO=111. Prgm of classical piano mx. (Lobdell-MA)

Girl Scout R. 6910 2243 12/19/15 fair. Prgm of rock mx and girl scout PSAs offering merit badge QSL. (Taylor-WI)

Happy Hannukkah 6950 1330 12/13/15 poor. Prgm of mx w/Willie Mays world series nx. (Taylor-WI)

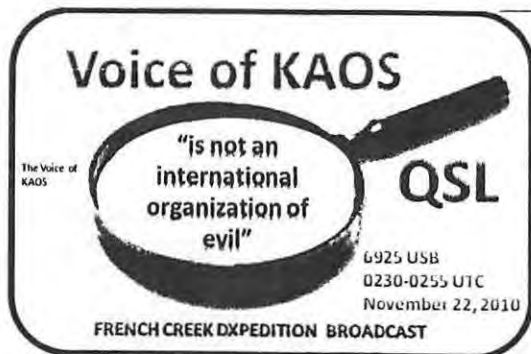
Liquid R. 6925.06 2153 12/19/15 fair. Prgm of contemporary dance mx. (Taylor-WI)

- Liquid R.** 6925.2 2247 12/26/15 fair to poor. Prgm of contemporary dance mx w/some dead air. (Taylor-WI)
- Old Time R.** 6770 2204 12/24/15 fair. Relay of very old comedy radio prgm w/female comedians and audience laughter. (Cooper-PA)
- Partial India R.** 6880 2223 12/19/15 fair to good. Ancd by Harold Krishna as under-sea svc w/Jay Smilkstein memorial prgm. (Taylor-WI)
- Pee Wee R.** 6955 0007 12/25/15 fair to poor. Christmas parody mx prgm plus SSTV digital image. (Taylor-WI)
- Pirate R. Boston** 6925.8 0055 12/19/15 fair. Christmas holiday special. (Taylor-WI)
- Pirate R. Boston** 6925.8 0032-0134 12/19/15 very poor. Christmas holiday mx. (Hauser-OK)
- Pirate R. Boston** 6873.6 2150 12/19/15 fair. Christmas holiday special. (Taylor-WI)
- R. Free Whatever** 6950 2128-2210+ 11/26/15 SIO=444/121. Dick Weed w/o Stavín and rock mx prgm plugging his t-shirts. (Lobdell-MA)
- R. Fusion R.** 6925 2202-2215* 12/13/15 very good. Prgm of instr mx & Christmas parody ads. (Ross-ON)
- R. Ronin Shortwave** 6950 AM 2128-2210+ 11/26/15 very poor. Extremely weak AM carrier. (Hauser-OK)
- R. Casablanca** 6940 2232-2343 12/7/15 fair. Rick Blaine w/1940s mx. (D'Angelo-PA)
- R. True North** 6950 0138 12/27/15 very weak. Copied only e-mail addr anmt from this stn. (Hauser-OK)
- Shortwave Ghost** 6930 2147 11/5/15 fair. Mx prgm w/OM & YL singers. (Cooper-PA)
- Shortwave Ghost** 6925 1445 12/25/15 fair. A variety of mx played. (Cooper-PA)
- Stress R.** 6930 2343-0030* 11/27/15 SIO=333. Euro w/polkas and ancr Black Bandit. (Lobdell-MA)
- The Crystal Ship SW Relay Svc.** 6850 2220-2244+ 11/26/15 SIO=333. John Poet w/prgm of classic rock mx. (Lobdell-MA)
- The Crystal Ship SW Relay Svc.** 6850 2335 12/24/15 fair. Old rock mx from Tommy James & the Shondells plus an old Bogart movie clip. (Cooper-PA)
- The Final Countdown** 6876.6 2218 12/20/15 fair. Rock by The Final Countdown band plus numbers and ad for medicine. (Cooper-PA)
- THX1138** 6925 1835-1931 11/28/15 SIO=343. New stn w/rock mx prgm incl audio from science fiction movie. (Lobdell-MA)
- THX1138** 6925 2055 12/18/15 fair. Prgm of rock % blues mx w/OM % YL ancrs saying 25 watts. (Cooper-PA)
- WABC Relay** 6955 1835-1931 11/28/15 poor. Relay of a 1970s rock mx prgm from this old MW stn. (Hauser-OK)
- WHYP** 3440 0155-0210* 12/19/15 poor. James Brownyard w/old MT convention recording of George Zeller. (Taylor-WI)
- WHYP** 3440 0135-0210* 12/19/15 SIO=343. Ravi Brownyard w/ James Brownyard memorial stn Christmas show w/call in from the late Jay Smilkstein. (Lobdell-MA)
- WMID** 6880 *2105-2149* 12/19/15 SIO=343. Uncle Schleckstein's Christmas special said to be John T. Arthur's second favorite stn. (Lobdell-MA)
- Wolverine R.** 6930 *2105-2149* 12/13/15 SIO=343. Prgm of rock oldies mx by various artists. (Lobdell-MA)



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



PLEASE NOTE: During the past 3 months we have only received 2 QSL reports. Lets do them and then I have an article for your enjoyment...Sam.

FRANCE: Radio France International 13725 site unidentified, rcvd. ltr. in 21 ds. indicating that the RFI address has changed to 80, rue Camille Desmoulin, 92 130 Issy-les-Moulineaux, France. The ltr. indicated that a QSL will follow. About 120 ds.

later I received a QSL by mail. (Feinberg-NY).

NEW ZEALAND: Radio New Zealand International 11725 and 15720 unusual reception on 7/16/15 because transmission dropped and switched between these two frequencies at least 3 times. QSL was rcvd. via email in 46 ds. v/s Adrian Sainsbury. (Feinberg-NY).

STATION NOTES: Radio Gloria Schweiz 6085 Addr: Postfach 540, CH-6281 Hochdorf, Switzerland. Email: QSL@radio.gloria.eu v/s Peter Galliker, Station Manager. Radio RTR 1 6185 via Wertachtal Addr: Post Bus 15, B-4730 Raer, Belgium. Seed Time Ministries 11900 via Wertachtal Email: admin@seed-time.org Welle 370 6005 via Radio 700 via Kall Krekal Addr: Welle 370, Funkerburg



KNLS

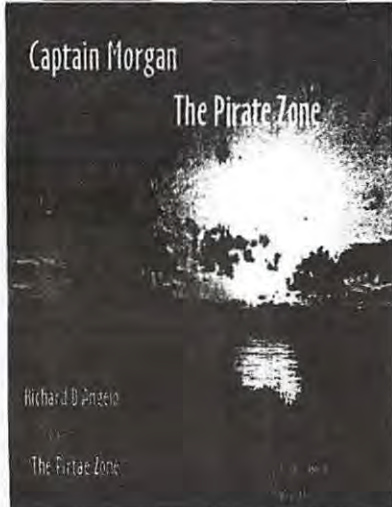
The World Is Listening

20, Senderhaus 1, DE-15711, Koenigs Wusterhausen, Germany. XVRB The Music Museum 6045 via Wertachtal Email: xvrbradio@gmail.com Radiofonikos Makedonias 9935 Email: ttsioli@ert3.gr or program@ert3.gr Addr: Aggelaki 2, GR-546 33, Thessaloniki, Greece via PLAY DX...Sam.

ARTICLE: How to Protect, Preserve, Access and Enjoy your QSL Collection

Whether your QSL collection is large, small or somewhere in between, you probably want to browse through your collection from time to time. For me it brings back many fond memories of the glory days especially of the cold war and all of the international stations that broadcast throughout the world.

I started DXing in May of 1958. I haven't done a great deal of research



DEAR RADIO FRIEND

Many thanks for reception report

date 1/23/73from 1212to 1230

The station you listened to is Warsaw

operating on 1230 metersThe frequency is 1230 kHz

We would appreciate further reports

from you as well as suggestions and

criticism of our programmes.

Thanking you for your interest

and wishing you good reception

in the future.

Very truly yours,

Listen live: www.polskieradio.pl/polenia

but I believe my verie first QSLs were from HCJB on 9745 and OZP5 on 9520. I was only 13 years old and hooked for life. I was probably the world's worst reception report writer but it got much better over time...actually it took a little longer than that. Hi! Around 1980 or so I had about 10,000 QSLs. I had to devise a method to store them ...other than

Mr. Richard A. D'Aquila
 throwing them in a box or in a drawer. It was simple. I enjoyed looking at them and reminising. It sounds strange but sometimes I can actually hear the station transmitting from 50 years ago when I look at the QSL. Must have something to do with brain neurons or whatever. Sometime around 1980 or 1981 I attended an ARRL

Convention in Hartford, Connecticut. Since I subscribed to their "CQ Magazine" I was able to send reports to amateur radio stations through the ARRL Bureau. When I went to their desk they handed me 4 grocery bags full of QSLs - some 9,000 or more. Pretty good for a one day haul! However, upon writing this article it dawned on me that I never went back in subsequent years to see if any more QSLs arrived for me. We all can't be a genius. What a dummy!

My first attempt was to place the QSLs in a 3 ring binder. However, punching holes in the letters was not the way to go. I really didn't know what to do with the cards, schedules, letterheads, stickers, pennants, etc. My next brainstorm was to place the individual QSLs into manila folders. This didn't work out very well either.

As of today I have a little over 32,000 QSLs in the collection of which 15,633 are on the international shortwave bands. The rest are a mixture of AM / FM, TV, utility, LW and amateur radio. Guess what I had yet

another brilliant idea and this one actually works quite well. It's a little costly in the beginning but well worth it with a collection of this size. Over time I purchased several hundred 3 ring binders. As of today I have about 600 of them. I prefer half inch binders but depending upon the size of your collection you may want to use a larger binder. Purchase clear plastic top loading sheets. They are available in boxes of 100 or 200 sheets. Now, place a plain 8 x 11 inch sheet of paper into each plastic sheet. This will permit you to place a QSL letter on each side without any "bleeding" through from one side to the other.

As far as QSL cards, stickers, decals, etc. are concerned you could easily mount 3 or 4 on one side of the plastic sheet by using standard photo hanges. Nowadays, most can be found at a craft store.

For items that are colored on both sides such as the All India Radio program schedules do not insert the paper into the top loading sheets. If you have a moderate to large QSL collection, you may wish to place country abbreviations on the upper outside edge of the album. You can

0454/320 12 86 FOR/SLA/73--

THANXES copie, pour information, au
 - Citoyen Directeur-Inspecteur des Services
 Régionaux de l'Orientation Nationale (OAS)
 B.P. 3032 à KINSHASA/CONGO--

✓ A Monsieur SAMUEL L. BARTO
 Box 4028 RD - 1
 Harris Conn. 06763
 (U. S. A.)

Monsieur,

J'ai bien reçu votre rapport d'écoute du 12 février 1973 et vous en remercie.

Vérification faite, il s'avère exact que la Station que vous aviez captée en date du 12 février 1973 était bien la nôtre.

Je vous remercie de l'attention que vous portez à l'écoute de nos émissions et vous prie d'agréer, Monsieur, l'assurance de ma considération distinguée.--

LE CHEF DE DIVISION DU SERVICE REGIONAL
 DE L'ORIENTATION NATIONALE,
 SAMUEL NABEJ - KALUMU



Thank you for your report on the reception of our
Domestic English Service/Arabic Service/
Commercial Service (Springlink Radio) from the

H.F. Verwoerd Shortwave Station

DATE: 7-9-75

TIME: 0400 GMT

FREQUENCY: 2980 4810 kHz

SOUTH AFRICAN
BROADCASTING CORPORATION
SUID-AFRIKAANSE
UITSAANKORPORASIE

P.O. Box 4558, Johannesburg South Africa

Mr. S. L. Barto,

245 Cherry Ave.

Apt. J-11

Waterlows,

CONNECTICUT 06795

U.S.A.

use the standard two letter USPO abbreviations for US States such as CT, NY, OR, etc. For foreign QSLs you may want to use the standard international 3 digit code or make up your own. I choose the later... ENG (England), EUR (European Russia) etc.

More often than not you may only have a very few QSLs from one country. In these cases I would use a heavier duty paper that has clear plastic tabs on the outside edges. Simply type the name of the country on the tab inserts provided with the sheets.

All of the albums are arranged by continent in alphabetical order of the country. This provides easy access to the QSLs. As far as which country belongs to which continent, I would follow the same format as used by the WRTVH. This leaves no room for error.

I've got to be a little nuts or a lot nuts but I am presently copying QSLs off the internet and inserting them into the collection. It's a lot more time and expense but I really enjoy looking at the old QSLs, the old receivers on the ham veries...especially Hammurlund and Collins receivers. I guess I've done about 50,000 more and still counting. What I can't seem to get over is the inordinate amount of nudes on the amateur QSL's. If you are perverted or should I say just inquisitive check out the K8CX ham gallery, go to Taiwan and hit the BV7FC QSL's. K90TB from Indiana is really great!

I sincerely hope that I may of helped a few of you to better organize your collections. It's your life and your love. Enjoy it while you still can.

My only question is what happens to the collection after I'm gone to the great DX shack in the sky? I can't take it with me but I'm working on a few ideas to do just that.

If you have any comments or suggestions, please contact me. Thank you....Sam.



Islamic Republic of Iran Broadcasting
P.O. Box: 19395 - 6767 TEHRAN - IRAN

As a side note I must tell you that every QSL was received the old fashion way - by the USPO. Although I have Email: bartocabin@gmail.com I have never used it. It's kind of funny that your life revolves around a government employee.

Seriously, I would really appreciate receiving any comments you may have or improvements to the above article.

Until next month.

Voice of Nigeria

BROADCASTING HOUSE, LAGOS

6 FEB 1975 1975

Thank you for your report of 39%

1912 at 0640-0710 hrs U.M.T.

I have pleasure in confirming that the

transmission was from our 1K0E02W

transmitter on 1585 KHZ

J. O. CHIEF ENGINEER

STAMP

Samuel L. Barto

Box 4025 RD # 1

North Conn. 06763

U.S.A.

XAM

Contributors' Page

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

- | | |
|------------------------------------|--|
| Bob BROSELLE, WI | NRD-545, Eton E1, Sony ICF SW 77 |
| Ed CICHOREK, NJ | SW-8, Eavesdropper |
| Mark CLARK, PA | ELAD FDM-S2, Wellbrook 1530S+ |
| Mark COADY, Peterborough, ONT | E1, SPR-4, window or slinky vertical |
| John COOPER, Lebanon, PA | WR-G33DDC, SDR-IQ, Sat 750, PL-660, ALA1530+, SWL sloper |
| Rich D'ANGELO, Wyomissing, PA | RX340, R8B, E1, E5, DX Sloper, Mini-Window, FL3, ANC4 |
| John & Sandra DAVIS, Columbus, OH | R-390 & 391As, Mackay 5050A, WJ HF-1000A, 42' Window, 16' end fed |
| Jerry ERVINE, Mission, TX | Tecsun 660, Icom R75, AOR LA380CHARSTYLE:> LOOP |
| Elliot FEINBERG, Brooklyn, NY | Sangean ATS-909, Tecsun PL-660, indoor whip |
| Glenn HAUSER, Enid, OK | FRG-7, DX-398/ATS-909, YB400, ICF SW-07 |
| George HERR, CA | Perseus, R8. E1. 50' lw, 40' vertical, Wellbrook loop, MFJ 1026 & 1025 |
| Mike NIKOLICH, Lake Barrington, IL | NRD-515, Perseus, TS450AT, ALA1530AL-2, AD Sloper |
| Andy OOMS, Redondo Beach, CA | Sangean ATS-909, Drake SW8 |
| Ralph PERRY, Wheaton, IL | R8B, NRD-545, E1, 355' bi-dir LW |
| Pamela PRODAN, Wilton, ME | YachtBoy 400PE |
| Alan ROE, Teddington, UK | Winradio G31 Excalibur, ELAD FDM-S2, 17m long wire |
| Mark TAYLOR, Madison, WI | Winradio g313e, E1, Sat 800, Eavesdropper |
| David TURNICK, Sinking Spring, PA | RX340, WinRadio G31DDC, Alpha Delta DX sloper, 49m dipole |
| Robert WILKNER, Pompano Beach, FL | 535D, R8. IC746Pro |
| Stephen WOOD, Harwich, MA | R8B, 25x50 E/W superloop |

2000-5900 kHz


Tropical Band Loggings

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

- 2325 AUSTRALIA VL8T Tennant Creek 1040-1115 Strong carrier w/ weak audio; not even a carrier on 2485 Katherine; 1/2. (Wilkner-FL)
- 3185 USA WWRB Manchester 0110 Already on with BS, while last night did not move from 3215 to 3185 until 0158; nothing on 3215 yet tonight, as WWCR is not so flexible & will not come up until 0158; 12/26. (Hauser-OK)
- 3195 USA WWRB Manchester 0310 Still on here w/ the Tullahoma TN preacher, but at 0352 recheck it's off; 12/28. (Hauser-OK)
- 3215 USA WWRB Manchester 0158 On the BST-1 caradio, I land a memory on Dave Frantz w/ a seemingly live WWRB QSY anment, saying we should retune to 3195, repeated half a dozen times, but one time he says 3185, which is the correct next freq; as soon as he's off, WWCR comes on 3215 w/ steel drum IS; 12/25. (Hauser-OK) 0115-0120 Preacher; 0200 talk show; fair; 1/7. (Prodan-ME)
- 3240 SWAZILAND TWR Manzini 0326 In listed Ndau w/ a very deliberate preacher; fair; 12/28. (Coady-ON) 0330 M ancr w/ talk; poor-JBA; 12/31. (Cooper-PA) 0315 M ancr in long monologue; poor; 1/8. (Cooper-PA) 0332 M ancr in listed Ndau over instrumental mx to contemporary style vcl; fair; 1/17. (Taylor-WI)

- 3289.9 **GUYANA GBC** Georgetown 2315-2330 M anc w/ long talk; 2340-0015 bass driven rock mx; f/up but could not identify which vocalists; 1/1. (Wilkner-FL) 0440 Readable tonight per R, Howard tip; BBC nx; into original EE prgrming at 0500 w/ M & W ancrs; p-f; 1/5. (Nikolich-IL) 0145 W anc w/ mx & talk; song by The Stylistics; QRM from a digital txmission on 3293; f-p; 1/7. (Cooper-PA) 1010 Rock mx; W anc at 1023 "...this released in"; 1024 next rock vcl; faded at 1045; 1/12. (Wilkner-FL)
- 3310 **BOLIVIA R. Mosoj Chaski** Cochabamba 0000-0010 W anc w/ talk; noted w/ good sig strength; 1/2. (Wilkner-FL)
- 3320 **S. AFRICA R. Sondergrense** Meyerton 0344 Good & strong at S9+20; 12/25. (Hauser-OK) 0100 M anc & mx interlude; W w/ talk; poor; 12/27. (Cooper-PA) 0133 M & W ancrs w/ talk; fair; 1/1. (Cooper-PA) 0336 Afrikaans prg of mellow mx w/ W anc; fair; 1/17. (Taylor-WI)
- 3345 **S. AFRICA Channel Africa** Meyerton 0314 //6155 w/ a rpt on planned improvements on the Trans-Africa Highway between Nairobi, Kenya & Lagos, Nigeria; p-f; 12/24. (Coady-ON)
- 3365 **PERU R. Cultura** Araraquara 2320 (T); Weak in PP; 1/1. (Wilkner-FL)
- 3374.97 **BRAZIL R. Municipal** San Gabriel da Cachoeira 1010 (T); M anc w/ lengthy talk; (P) commercial or promo came on next w/ mx in the background; poor; 12/23. (Cooper-PA) 3375.1 1027 M anc in PP; 1035 mx & fading at 1055; 1/12. (Wilkner-FL)
- 3912 **S. KOREA V. of the People** Goyang 1020-1033 // 6600; stronger on 6600 and 6518; 1/12. (Wilkner-FL)
- 3915 **SINGAPORE BBC** Kranji 2210 (T); M anc in EE; audio is v. poor w/ ARO QRM; JBA; 12/29. (Cooper-PA)
- 3925 **JAPAN R. Nikkei 1** Tokyo-Nagara 1145 V. funky blues tune in EE; M & W ancrs in JJ; fair; 1/1. (Herr-CA)
- 3945 **JAPAN R. Nikkei 2** Tokyo-Nagara 1150 Pop mx in EE; fair; 1/1. (Herr-CA)
- 3950 **CHINA PBS Xinjiang** Urumqi CC mx; M & W in (P) radio drama; //5060; p-f; 12/5. (Roe-UK)
- 3965 **FRANCE RFI** Issoudun 2035 DRM; Mix of EE/FF & live studio sessions in prgr "Le bande passant" re British mx group Heymoonshaker; apparently it's contemporary Blues mx; solid DRM sig: 15dB; 11/30. (Roe-UK)
- 3975 **VATICAN CITY STATE Vatican Radio** Sta. Maria de Galeria 0709 T/in to organ mx, but off a few seconds later, tail of VR's Latin Mass starting at 0630 & before I had time to compare it to 6070 blocking CFRX; sunrise in Roma today was 0638 UT; 1/3. (Hauser-OK)
- 3985 **GERMANY R. Slovakiá Int** Kall 2000 EE; Walking tour of Velvet Revolution locations followed by Musical Crossroads (Folk music); good; 11/20. (Roe-UK)
- 3985 **GERMANY R. Belarus** Kall 2250 GG; Belarus traditional mx w/ W anc; v. good; 11/20. (Roe-UK)
- 3985 **GERMANY R. Mi Amigo** Kall 1720 In Dutch w/ Oldies w/ Lion Keezer; good; 11/24. (Roe-UK)
- 3985 **GERMANY R. Bulgaria** Kall 1745 GG; Nice Bulgarian traditional mx w/ W anc; f-g; 12/13. (Roe-UK)
- 3985 **S. KOREA Echo of Hope** Hwaseong 1153 W anc in KK; maybe low lvl jamming; fair; 1/1. (Herr-CA)
- 4055 **GUATEMALA R. Verdad** Chiquimula 1020 EE Bible story re fall of Jericho; mx interlude w/ M & W ancrs in SS; Xmas choral mx; fair; 12/23. (Cooper-PA) 0147 (T) SS ID via the Internet; "Silent Night"; f-p; t-storms made me close down early; 12/24. (Davis-OH)0153 (P) Prg of Xmas mx; mostly instrumental; M anc in SS; f-p; 12/27. (Taylor-WI) 1105 A series of cuckoo bird calls; M & W ancrs; several IDs along w/ mx; fair; 12/31. (Cooper-PA) 0520 Lively tune on calliope "If you go out in the woods today"; poor; 1/2. (Herr-CA) 0417 TGAV good sig w/ organ mx; Dr Madrid has asked me to monitor for additional R. Verdad relays on other freqs close to 4055 in various parts of the world, supposedly testing; I hear absolutely no other b/casting between 4000 & 4100 at additional chex until 0453; details such as exact freqs, locations & hours have not been provided, & I can't help but wonder if this whole thing is legitimate; 1/3. (Hauser-OK)
- 4450 **S. KOREA V. of the People** Kyonggi-do 1053 M anc in KK, probably some minor noise jamming; p-f; 1/9. (Herr-CA)
- 4451.1 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 2300-2315 M anc in SS; weak; 1/1. (Wilkner-FL) 2310 Noted in SS w/ weak sig; still on 2340; 1/14. (Wilkner-FL)
- 4749.95 **INDONESIA RRI Makassar** 1415 V. poor w/ talk vs CODAR on off-freq, signature of RRI Makassar, rather than China or Bangladesh; haven't had any signs of RRI lately here; what does Atsunori Ishida say?; it's been on every day this year from before 1000 until s/off circa 1557; he doesn't deal with precise freqs, but R. Howard had it on 4749.95 on 12/15 after a week's absence; 1/10. (Hauser-OK)
- 4765 **CUBA R. Progreso** Batua 0220 (P); SS ancments; EE oldies' "Canit get no Satisfaction" w/ M anc; canned ID; M & W ancrs into prg of nice Cuban mx; v. good; 12/27. (Taylor-WI)
- 4774.89 **PERU R. Tarma** Tarma 1100 (P); M anc w/ several (P) IDis over mx; M anc w/ talk; LSB mode due to CODAR & persistent ringing type noise on this freq; poor; 22/23. (Cooper-PA) 4774.9 1017 Noted w/ weak sig; recheck at 1115 strong w/ M anc in SS & enjoyable mx; 1/2. (Wilkner-FL)

- 4785 **BRAZIL R. Caiari** Porto Velho 1010-1018 Mx; vclist under CODAR of considerable strength; weak sig; 1/12. (Wilkner-FL)
- 4805 **BRAZIL R. Difusora do Amazonas** Manaus 1017 M anc in PP; weak; f/out; 1/1. (Wilkner-FL) 1022 M anc in PP w/ lengthy talk; 1/12. (Wilkner-FL)
- 4810 **PERU R. Logos** Chazuta 1105 M anc w/ lengthy talk; heavy CODAR; poor; 12/23. (Cooper-PA) 0935 M anc w/ fair sig; 1018 noted w/ exotic mx & 1115 improved sig w/ flauta andina; 1/2. (Wilkner-FL) 1100-1107 Flauta andina; good sig under CODAR; 1/12. (Wilkner-FL)
- 4835 **AUSTRALIA VL&A** Alice Springs 1339 W & M in interview; poor; 12/28. (Brossell-WI) 1138 W anc w/ mx; 4840-WWCR splatter; p-f; 1/1. (Herr-CA) 0935-0940 W anc w/ nx; strong sig; 1/2. (Wilkner-FL) 1331 World nx items read alternately by M & W anc; fair; 1/7. (Brossell-WI) 1100 Mx w/ W anc in EE; poor; 1/9. (Herr-CA) 1306 M & W in conversation; poor; 1/14. (Brossell-WI)
- 4840 **USA WWCR** Nashville 1238-1258 "World Wide Country Radio"; more fond remembrances of long-time prg host "Mr Dave"; also songs by Jerry Lee Lewis, Conway Twitty & Hank Williams; good; 12/12. (Prodan-ME) 1104 Sounds like EE vaudeville mx hall; mx from 1922; fair; 1/9. (Herr-CA)
- 4875.1 **BRAZIL R. Difusora Roraima** Boa Vista 0210 W vcls; M anc into more mx; poor; 12/25. (Cooper-PA) 2317-2333 Strong w/ Brasil pops; 1/1. (Wilkner-FL) 0351 echoey speech; this off-freq is commonly heard here; 1/1. (Hauser-OK) 0230 M anc w/ listener phone calls; fair; 1/7. (Cooper-PA)
- 4885 **BRAZIL R. Clube do Para** Belem 0705 V. poor sig in Brazuquese; apparently s/on now at 0700, rather than 24h & is already off again by our evenings; 12/30. (Hauser-OK) 0935 Strong sig w/ M anc & mx; 1015 om shouting "...mais m'sica.." into next vocalist; 1/2. (Wilkner-FL) 1017 Noted w/ good sig; still strong at re-check 1047; 1/12. (Wilkner-FL)
- 4885 **S. KOREA Echo of Hope** Hwaseong 1402 S6 sig in KK; a bit stronger than 4835 Australia, S5; R. Howard first heard this 12/21 as a new freq for Echo of Hope, the clandestine to N Korea; // 6003 & 6348 which are jammed; testing new txmitter?; & he heard again 12/22 also //3985; "Per Hiroshi & Hiroyuki Komatsubara, observed sked so far is *1158-1803*"; 12/22. (Hauser-OK) 1302 V. poor sig in KK; seems Echo of Hope is here to stay; is it jammed yet?; reads S3 in SSB, S6 in AM on the R-75, i.e. S-readings don't mean much in any absolute sense, but useful comparing to others; 12/29. (Hauser-OK)
- 4925 **BRAZIL R. Educacao Rural** Tefe 0105 M & W anc in discussion; poor; 12/27. (Cooper-PA) 4925.2 1015 M & W anc in PP; 1040 "en no país..."; 1044 f/out; 1/12. (Wilkner-FL)
- 4930 **BOTSWANA VOA** Moepeng Hill 0345 Interview re US relations w/ Saudi Arabia vs. Iran; prg promo followed by US nx headlines; fair; 1/8. (Cooper-PA)
- 4940 **CHINA V. of the Strait** Fuzhou 1309 W anc in CC; poor w/ static; 1/8. (Brossell-WI) 1114 Threshold sig w/ M anc; v. poor; 1/9. (Herr-CA)
- 4955 **PERU R. Cultural Amauta** Huanta 1040-1120 M anc español; fair w/ some fading; 1/2. (Wilkner-FL) 1115-1127 M & W anc in SS; good; 1/12. (Wilkner-FL)
- 4985.5 **PERU R. Voz Cristiana** Huancayo 1110-1120 Weak w/ M anc en español; no RTTY on 4985; 1/2. (Wilkner-FL)
- 4990 **SURINAME R. Apintie** Paramaribo 0945-0955 Strong carrier w/ weak audio; 1/2. (Wilkner-FL)
- 5015 **USA WRMI** Okeechobee 0640 S9+10 to S9+20, much stronger than it was originally; especially weak on wrong freq 5956.2; taking another look at the current WRMI txmission sked, I see that #5 txmitter was not necessarily fixed, but instead swapped with #1, so now #5 is the backup standby & #1 is in use on 5015, & at a different CCW azimuth, 222 degrees which is less favorable for us than 285 was, yet w/ a better sig; 1/9. (Hauser-OK) 1205 Loose section of piano & violin mx w/ M wailing & another apparently speaking in tongues; although it sounded more like PP from SDR than EE from Br. Stair to me; very Pentecostal; nearly mistook it for R. Culturais relay of Super RadiŮ Deus   Amor also listed on this freq from the prgming; f-g; 1/9. (Taylor-WI) Brother Stair; ID as WRMI Okeechobee at 0859; shown on his web site as 2300-1500 to Mexico & SW; fair; 1/10. (Herr-CA)
- 5025 **CUBA R. Rebelde** Havana 2245 SS; LA/Cuban rythmns/Jazz w/ W anc & old "standards"; f-g; 12/11. (Roe-UK) 0018-0131 Traditional Cuban mx; ID at 0101; into rap style mx at 0131; good; 1/4. (Prodan-ME) 1126 M anc in rapid fire SS; fair; 1/9. (Herr-CA)
- 5040 **CUBA RHC** Havana 0042 Anc in FF re medical care; brief fragment of "My Sweet Lord"; EE ID at 0046 "This is R. Havana Cuba"; poor w/ distorted audio; 12/22. (Herr-CA) 0510 Year in Review in EE; ID 0513; item re origin of correspondence to stn; USA leading the way; Art Bell "Midnight in the Desert"; poor; 1/2. (Herr-CA)

- 5060 **CHINA Xinjiang PBS** Urumqi 0052 Weak sig but registering S9 vs the storm noise lvl; and definitely in CC, so it's Xinjiang PBS, Urumqi, which we also sometimes detect around our sunrise; this leads us to try the other three svcs on 60m; immediately finding weaker JBA carriers, as listed: 4980 Uighur, 4850 Kazakh & 4500 Mongolian; the CC svc is first among equals, but 4980 is second; 12/27. (Hauser-OK)
- 5085 **USA WTWW** Lebanon 0415 EE; Oldies including Abba, Beach Boys & Loving Spoonful; poor; 11/19. (Roe-UK) 0610 Art Bell is still back on another holiday rerun before he resigned from "Midnight in the Desert", via WTWW-2; still gone from 6070 CFRX; who will be doing the next show, UT Tuesday Dec 29 from 0500+?; 12/26. (Hauser-OK)] 0703 "Midnight in the Desert" is already resuming after a (news?) break, Heather again, subject nuclear storage sites; 12/30. (Hauser-OK) 0128 Open carrier/dead air from WTWW-2; ho hum; 1/8. (Hauser-OK)
- 5110 **USA WBCQ** Monticello 2355 EE; Radio Timtron Worldwide; just about audible; poor; 12/6. (Roe-UK) 5109.7 0222 CUSB; "Amateur Radio Roundtable"; soundtrack of W5KUB.com video webcast, sufficiently audible via WBCQ, until 0330 when WBCQ s/off anment fires whether the b/cast is finished or not & off 0331*; 12/22. (Hauser-OK) 0004 The Radio Free Dishnuts special via WBCQ that Ray T. Mahorney asked me to publicize, to last three hours; turns out he's exercising his free speech to denigrate the President over the Second Amendment, all I can take by 0015; should be Radio Free Gunnuts?; 1/2. (Hauser-OK)
- 5850 **USA WRMI** Okeechobee 0033 R. Slovakia Int'l w/ brief snatches Slovakia Today; 0036 M & W ancrs; poor; 12/22. (Herr-CA) 0411 Bro. Scare has replaced Rick Wiles on WRMI, S9+45, ditto on 7730, while BS remains on 7570, all bigsigs; what a waste; 1/1. (Hauser-OK)
- 5865 **FRANCE R. Algerienne** Issoudun 0522-0527 M chanting in AA; fair w/ some QRN; 1/11. (Clark-PA)
- 5875 **THAILAND R. Thailand** Udon Thani 1115 M ancr in EE w/ ID & TC; mx bit into M & W ancrs w/ (P) nx; poor; 12/23. (Cooper-PA)
- 5875 **THAILAND BBC** Udon Thani 1200 EE; Nx re capture of Mexican drug lord; fair; 1/9. (Herr-CA)
- 5875 **UNITED KINGDOM BBC** Wooferton 0302 M ancr in AA; remote rpt; fair; 1/10. (Taylor-WI)
- 5890 **USA WWCR** Nashville 0200-0220 M ancrs Brady & Doc live taking calls during txmitter work; they stated that this freq is not usually in use by WWCR at this time; exc.; 1/10. (Clark-PA) 

5901-30000 kHz

International Band Loggings

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

- 5910 **ROMANIA Radio Romania Int'l** 11-28, 0059-0105, light instl mx followed by ID at 0100 and presumed news by woman in Romanian. SIO444 (Cichorek-NJ)
- 5960 **ALBANIA Radio China Int'l** 12-3, 2100-2103 end of Chinese lessons followed by the news in EE SIO333 (Cichorek-NJ)
- 5960 **TURKEY Voice of Turkey** 12-23-15, 2331-2336. male vocals and carrier gone abruptly in mid song at 2336. SIO333 (Cichorek-NJ)
- 5980 **TURKEY Voice of Turkey** Emirler, 12-3, 2105-2110, Presumed news in Turkish by M and W SIO333 (Cichorek-NJ)
- 6015 **ROMANIA Radio Romania** 2340-2345, 12-23-15. News of the week by woman in English. mentioned opening of new Star Wars movie, ID at 2345. SIO444 (Cichorek-NJ)
- 6050 **ECUADOR HCJB** Pico Pinchincha. 2351-0000, children's choral singing with guitar music. 4+1 time pips at 0000utc followed by man with presumed ID in listed Shuar language. SIO232 (Cichorek-NJ)
- 6060 **CUBA Radio Habana Cuba** English 0213- Dxers Unlimited with Arnie Coro; also //6165; fair 12/7 (Prodan-ME)
- 6070 **CANADA CFRX** 12-3, 2115-2125, Discussion about police activity and abuse of power. Phone number given for call-ins. 2117 traffic report and casual ID. Discussion about man obstructing an arrest. Signal best in USB on 6069.7. SIO333 (Cichorek-NJ)
- 6070 **CANADA CFRB/CFRX** 1317 to 1326 with an ID at 1324 (News Talk 1010). SINFO= 25422, I was surprised that their signal was this weak, I had to use USB to steady it, an eleven year old child who wandered away from home last night was found safe today, a R-390A and the 42' Window antenna. 12/10. (Davis-OH)

- 6070 **CANADA [and non] CFRX** Dec 24 at 0531, CFRX with local Toronto PSAs, not // 5085 WTWW, but this could just be in a break. No, by 0555, CFRX is in music while WTWW is still in 'Midnight [sic] in the Desert' with new hostess Heather, interviewing someone who believes in levitation, soon break switching to Ted pushing C Crane SW radios. (Hauser-OK)
- 6100 **CUBA Radio Habana Cuba** Sunday Dec 27 at 0715, VG RHC confirmed in weekly Esperanto tacked-on semi hour, all other frequencies now correctly off (Hauser-OK)
- 6160 **CANADA CKZN** St Johns, Nfld 0105-59 week of 2-6 Nov CBC's Massey Lectures, this year historian Good, except 11/5 no reception 11/2-11/6 (Prodan-ME)
- 6165 **CUBA Radio Habana Cuba** English 0213- Dxers Unlimited with Arnie Coro; also //6060; good, some static 12/7 (Prodan-ME)
- 6175 **CHINA Radio.China Int'l** 11-16-2015, 2158-2200, carrier heard at 2158 followed by M in English with ID and address and email given in English with offer to learn Chinese. 2200 woman into presumed news in Portuguese.SIO433 (Cichorek-NJ)
- 6175 **UNITED KINGDOM Voice of Vietnam** English 0106-11 SE Asia news prog - Mauritius, Myanmar election, Japan as candidate for permanent Security Council seat, India & East Asia Summit; 0111 "you are listening to the Voice of Vietnam"; fair-good 11/12 (Prodan-ME)
- 6195 **OMAN Al Seela, BBC** 12-24-15, 0345-0349. Man & Woman in EE discussing health issues for children. informal ID at 0349. poor signal (Cichorek-NJ)
- 7395 **GERMANY Mighty KBC** 0033-0050 with Giant Jukebox with Uncle Eric, mx included 'Wild Horses' by Rolling Stones, good signal on 12/6/15 (Feinberg-NY)
- 7445 **ENGLAND BBC** 11-25, 0111-0113, M & W in listed Pashto with musical interlude followed by discussion with M & W.SIO 322 (Cichorek-NJ)
- 8989 **NICARAGUA Unid** Dec 10 at 2303, S5 signal with hyper-assertive gospel huxter in Spanish (Hauser-OK)
- 9420 **GREECE Voice of Greece Avis** 11-20-15 0358 presumed IS and ID in both Greek and EE. Announcements followed by a MX program of a good variety of Greek and non-Greek tunes. This station can be received most week-nights with good reception. (Ervine-TX)
- 9435 **NORTH KOREA Voice of Korea** 1623 to 1626 with an ID at 1626, SINFO=35433, one of the best signals from them this year, a choir of women sang, but it was not as boring as usual, the 6790 and the 687' horizontal array. 11/25. (Davis-OH)
- 9505 **SULTANATE OF OMAN BBC** 1629 to 1659 with an ID at 1659, SINFO=35222 the overall merit was reduced because of the fading and atmospheric noise (downgraded), I had to use USB to help remove noise and steady the signal, I heard a discussion between a man and woman about the problems facing youth in Kenya and Africa as a whole, the 6790 and the 687' horizontal array. 11/25. (Davis-OH)
- 9505 **SUDAN Voice of Africa** Alaitahab, 12-23-15, 2258-2300. Local vocals and instrumentals. .Good signal(Cichorek-NJ)
- 9530 **ASCENSION Radio Akhbar Mufriha** (tent) 11-24, 2105-2205, Man in listed Pulaar with talk followed by stringed instrumental. Address given by woman in French and man back to Pulaar and instl mx. SIO433 (Cichorek-NJ)
- 9550 **SAO TOME Voice of America** 0559 to 0608 with an ID at 0601, SINFO=25242, I did not record any details because I didn't want to listen through the roaring atmospheric noise, a R-390A and the 42' Window antenna. 12/5. (Davis-OH)
- 9580 **AUSTRALIA Radio Australia** 12-5-15, 2011-2020, program in English discussing the preservation of Australian heritage, casual ID's.SIO322 (Cichorek-NJ)
- 9580 **AUSTRALIA Radio Australia** 1118- news re Intercept drone report; good 10/22 (Prodan-ME)
- 9580 **AUSTRALIA Radio Australia** and much weaker 12065, Dec 11 at 1422, all three RA frequencies air an "apology for break in transmission, hope to return to regular programming". Since it's rock music, Beatle-sounding, I would have figured it was already regular programming. 1434 another announcement, "we're working on the problem", with music before and after overlapping, so obviously a pre-prepared fill music and apology recording.
- 9590 **CHINA China Radio Int'l.** Kashi-Saibagh, 12-3, 0035-0037, vocals and talk by W SIO333. (Cichorek-NJ)
- 9600 **CHINA China Radio Int'l** (CRI), 1220 to 1230 with an ID at 1230, SINFO= 25442, downgraded, I heard again about the continued migration of people from the rural areas to the cities and that the announcer called these people "migrants," this does not sound right to me, a R-390A and the 42' Window antenna. 12/10. (Davis-OH)
- 9630 **BRAZIL Radio Aparecida** 0035-0041 11-25, M in pp followed by short vocals. Woman heard in prayer answered by men. Sounded like the rosary recitation in Portuguese. (SIO222)(Cichorek-NJ)
- 9645 **THAILAND Voice of America** 11-25, 0044-0049 M & W in listed Tibetan with long talk and background mx at 0048. SIO222 (Cichorek-NJ)

- 9660 **VATICAN Vatican Radio** 12-6-15, 2028-2030utc, end of transmission in EG with ID and into French.SIO333 (Cichorek-NJ)
- 9665 **BRAZIL Radio Voz Missionaria** 11-25, 0050-0057, male vocal followed by M in PP at 0056 choral, patriotic sounding vocal, possible national anthem.SIO333 (Cichorek-NJ)
- 9665 **BRAZIL Radio. Voz Missionaria**, 12-3, 0049-0058, Man in Portuguese or Brazuguese (see Hauser) then into vocals. Good signal in AM sync mode. S7 toS9. (Cichorek-NJ)
- 9689 **NIGERIA Voice of Nigeria** Dec 27 at 0702, VON in French with schedule announcement, fair; at 0711 check, nothing on 7255- (Hauser-OK)
- 9690 **NIGERIA Voice of Nigeria** 1327 to 1330 with a tentative ID via the Internet, SINFO= 254452, the overall merit was downgraded, I heard a woman speak words here and there, but no word groups, a R-390A and the 42' Windom antenna. 12/7. (Davis-OH)
- 9700 **NEW ZEALAND Radio New Zealand Int'l** (RNZI), 1343 to 1407 with an ID at 1405, but it including the national service, I found out about an explosion in India that leveled 1,000 homes and then the weather, a R-390A and the 42' Windom antenna. 12/7. (Davis-OH)
- 9720 **AUSTRALIA Reach Beyond Australia (HCJB)** 1412 to 1431, with a tentative ID via the Internet, Malayalam, SINFO=22222, the overall rating was downgraded, because of the poor signal, I heard a group singing, the Kaito 1103 and its telescoping antenna. 12/10. (Davis-OH)
- 9725 **BRAZIL Radio RB2** Curitiba, 12-23-15, 2310-2313, Xmas songs , male ancr. heard in Portuguese at 2300. SIO222. (Cichorek-NJ)
- 9735 **TAIWAN Radio Taiwan Int'l** 1203 to 1207 with a tentative ID via the Internet, Cantonese, SINFO=22252, downgraded, I heard a number of interesting songs, a R-390A and the 42' Windom antenna. 12/7. (Davis-OH)
- 9830 **JAPAN [non?] NHK** Dec 27 at 0058, surprised to hear NHK IS and IDs in Japanese and English, as frequent band scanning around this hour has never encountered it before. No program ever starts, just IS & IDs continuing at further chex past 0102, 0107; 0136 but weakening. Not scheduled here in HFCC or Aoki, instead CNR1 non-jammer from Beijing, but no sign of it. NHK apparently testing, from where? FWIW, NHK was stronger than other frequencies direct from China on 31m (Hauser-OK)
- 9855 **MADAGASCAR NHK World Radio Japan** 12-7-15, 2035-2045utc. M in French w/ presumed news, ID in FF at 2037 with frequencies given...SIO 444(Cichorek-NJ)
- 9860 **EGYPT Radio Cairo** Dec 27 at 0049, JBA music and talk, S6. Could it be Cairo active on this in Spanish? 12070 is also detectable, even weaker and not enough to make a //. If so, there's a chance 9860 would stay on past 0200 for the English sesquihour previously on 9315. Can anyone confirm that, further east? But 9860 is no longer audible here at 0135. 9860 could well be CRI from Jinhua site at 00-02. The Cairo Arabic frequency at 0050 was S7 but just barely modulated and not offset, 9965.0 (Hauser-OK)
- 9915 **ASCENSION BBC** 12-11-2015, 2118-2130, in English, discussion by two men and a woman of middle east strategies in reference to radicalism. ID at 2129 followed by news summary. SIO444, parallel on 11810 and 12095 both por reception. (Cichorek-NJ)
- 9965 **EGYPT Radio Cairo** Dec 10 at 2305, R. Cairo is almost on-frequency but dead-airing English to North America. Next check 0140 UT Dec 11, still on 9965.02 and dead air in Arabic; poor-fair signal levels and as usual nothing else audible from Cairo; if on 12 MHz, not really propagating (Hauser-OK)
- 9975 **UNITED STATES Voice of Hope** Rancho Simi, 12-11-15,0148-0200, in English, male with passionate religious talk. Music heard at 0150, phone number given at 0158 and "welcome to heartbeat" Clear ID heard at 0200 followed by news. Very weak signal with deep fades but ID readable at 0200. SIO222 (Cichorek-NJ)
- 9975 **UNITED STATES KVOH** Simi Valley, CA, 0520-0550 Dec 23, simulcasting KWSV 99.1 (Low Power FM) "Radio Ranch" Simi Valley country station. Good signal 40 miles from my location. Many 99.1 Radio Ranch IDs, KVOH not mentioned. OTR Radio Mystery Theatre scheduled for 0600 per announcement. (Ooms-CA)
- 11279 **CANADA Gander Radio** USB mode, 1440 to 1454 with an ID at 1444, SINFO= 25432, tower personnel were talking to various airplanes coming across the Atlantic, the 6790 and the 687' horizontal array. 11/22. (Davis-OH)
- 11580 **UNITED STATES Rhein-Main Radio Club** via WRMI-0keechobee, Florida, 2205-2246 Dec 5, tuned in for the special EDXC Conference special enjoying Harald Gabler doing interviews with attendees. Very good signal. (D'Angelo-PA)
- 11655 **UNITED ARAB EMIRATES Ibra Media (Christ to the World Ministries)** 1606 to 1611 with a tentative ID via the Internet, Afar (one of its 22 broadcast language), SINFO=25442, a woman sang an anointed Christian song, a R-390A and the 42' Windom antenna. 12/11. (Davis-OH)

- 11660 **UNITED ARAB EMIRATES Radio Free Asia** 1543 to 1544 with a tentative ID via the Internet, Tibetan, no SINFO—it was not worth recording, a R-390A and the 42' Windom antenna. 12/7. (Davis-OH)
- 11670 **INDIA AIR** 1850-1905 w film mx and nx at 1900, was strong QRM from Havana at 1859 on the same frequency, otherwise good signal on 12/3/15 (Feinberg-NY)
- 11735 **BRAZIL Radio Transmundial** 1910 to 1916 with a tentative ID via the Internet, Portuguese, SINFO=25452, the overall merit was downgraded, because of the weak signal; one very interesting song had drums and other native instruments, a R-390A and the 42' Windom, antenna. 12/6. (Davis-OH)
- 11750 **SOUTH AFRICA Adventist World Radio** 11-17-15, 2040-2043, heard phone number given by woman followed by choral singing by children. Man in language (possibly Yoruba) speaking slowly, possible religious program. SIO333. (Cichorek-NJ)
- 11760 **CUBA Radio Habana Cuba** Spanish 0008-28 more of "la musica campesina Cubana"; station IDs at 0028 and 0058; frequencies 0058; loud, v good 12/9 (Prodan-ME)
- 11765 **BRAZIL Super Radio Deus é Amor** Portuguese 0220-25 m preacher enthusiastically exhorting; p 12/8 (Prodan-ME)
- 11780 **BRAZIL Radio Nacional de Brasilia** Portuguese 0100-230+ good Brazilian music, station IDs, at 0200 "Allo Brasil" & more music; good 10/25; 0100-35 some steel guitar Hawaiian-like music then violin & guitar gypsy style music; good 11/29 (Prodan-ME)
- 11780 **SRI LANKA Adventist World Radio (AWR)**, 1620 to 1621 with a tentative ID via the Internet, SINFO=31212, downgraded, I heard a female and male announcer and one song, a R-390A and the 42' Windom antenna. 12/7. (Davis-OH)
- 12065 **AUSTRALIA Radio Australia** Dec 28 at 1413, R. Australia's are at equal levels, instead of normally 12065 much weaker than 12085, due to differing azimuths. Something has changed (Hauser-OK)
- 12085 **AUSTRALIA Radio Australia** 1457 to 1505 with an ID at 1505, SINFO=35433, the leader of the UN called for US and Chinese vessels to be careful in the South China Sea, because of the tension found there (Chinese island expansion), the 6790 and the 687' horizontal array. 11/22. (Davis-OH)
- 13580 **BOTSWANA Voice of America** 1627 to 1631 with a tentative ID via the Internet, Somali, SINFO=32200, totally inaudible; is it off?. 1419 outro music and plug the "brand-new" AIR GOS website (Hauser-OK)
- 13765 **VATICAN STATE Vatican Radio** 1612 to 1614 with a tentative ID via the Internet, Swahili, SINFO=25452, downgraded, a male was speaking, a R-390A and the 42' Windom antenna. 12/7. (Davis-OH)
- 15140 **OMAN Radio Sultanate of Oman** 1417-1500 w pop mx, including Chris Brown, Justin Bieber and Katy Perry, also IDed as 90.4, changed into Arabic mx at 1500, unusually good signal on 12/2/15 (Feinberg-NY)
- 15300 **FRANCE Radio France Int'l** French 1712-20+ m & f discussion about politics, terrorism & response in Europe, nationalism, refugee situation; good 12/6 (Prodan-ME)
- 15370 **CUBA Radio Habana Cuba** Spanish 1503-49 jazzy Cuban music; 1550+ station IDs, then f Ann with news; //17730; fair 12/7 (Prodan-ME)
- 15400 **ASCENSION BBC** 12-5-15, 1940-2000, program in EG discussing the California drought problem and effect on the crops. ID at 2000utc then carrier off. SIO433 (Cichorek-NJ)
- 15400 **ASCENSION ISLAND BBC** English 1832- warning about el Nino weather pattern, other headlines, "BBC News," then coverage of Paris shootings; good 11/16 (Prodan-ME)
- 15480 **GERMANY AWR** Chinese 1434-1500 f speaking, with two religious songs; 1458 contact info, then fill music until off at 1500; poor-fair, some fades 12/7 (Prodan-ME)
- 15505 **BANGLADESH Bangladesh Betar** Dec 12 at 1359, JBA carrier, then maybe one play of Bangladesh Betar IS, until mis-timesignal ending at 14 0014.5 — so we're back in business monitoring yet another perpetually off-clock station with false chronology (Hauser-OK)
- 15580 **ITALY Voice of America** 11-17-15, 2059-2100 heard carrier only at 2059 followed by news in English w/ headlines of aftermath in Paris. 2102 ID and into pop music. SIO444. (Cichorek-NJ)
- 15770 **UNITED STATES Radio France Int'l** 11-16-2015, 2117-2121, in English, Discussion of aftermath of the terrorist attacks in Paris. ID at 2118, sports news followed by continuation of special program regarding the terrorist attacks. SIO 444 (Cichorek-NJ)
- 17580 **CUBA Radio Habana Cuba** Spanish 1406-12 m & f alt with news – terrorists, Venezuela elections, UN, Boko Haran, etc; 1503-49 jazzy Cuban music; good 12/7 (Prodan-ME)
- 17705 **SAUDI ARABIA BSKSA** Riyadh 1420-28 Arabic 2 m in discussion; fair 12/7 (Prodan-ME)
- 17730 **CUBA Radio Habana Cuba** Spanish 1428-33 f host with narrative history of Cuba's liberation from Spain; station ID at 1433; 1503-49 jazzy Cuban music; 1550+ station IDs, then f ann with news; //17580 to 1500; //15370; fair to 1433, good after 1500 12/7 (Prodan-ME)
- 17895 **SAUDI ARABIA BSKSA** Riyadh 1431+ Arabic chants; poor 12/7 (Prodan-ME)



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Winter SWL Fest
Sponsored by NASWA

February 19th-20th, 2016

Doubletree Guest Suites

640 Fountain Road, Plymouth Meeting, PA

Plan to attend your favorite forums Friday and Saturday! Enjoy meeting with your friends in the Hospitality Room. Bring radio related items for the swap meet or to donate for the Silent Auction. Check out your friends' receivers; bring one of your own for others to try!

No frills; just shortwave, longwave, mediumwave, pirates, and scanning. Once again you will enjoy the camaraderie of your hobby friends.

Please note, there is an incentive for you to pre-register, as prices are more expensive for those who wait. Registration options are also more flexible than in the past, with new one-day and student registrations. **If you wish to participate in the banquet, you must register and inform us that you will be attending by Friday morning, February 19th.** If you choose not to participate in the banquet, there are many nearby restaurants.

Your registration must be postmarked by January 19th, 2016 for the best prices; registrations posted after that date are priced higher. See the registration form below.

GRAND PRIZE To be announced

SPECIAL Register early to win a sw portable! One free entry for an early-bird registration postmarked by January 19, 2016.

Please bring items for the Silent Auction. At least half of the proceeds are donated to charity.

Checks should be made payable to WINTER SWL FEST. Register directly with the hotel for your rooms by calling the Doubletree at (610) 834-8300. For 2016, the rate is **\$107** single or double; the rate for 3 or 4 is slightly higher. To get this rate you **MUST** tell the hotel staff you're with the WINTER SWL FEST. **You can also reserve your hotel room online; check for the link as well as updated Fest info, at the WINTER SWL FEST Web Page at <http://www.swlfest.com/> or from <http://www.naswa.net/>.**

The Doubletree Guest Suites is conveniently located near the interchange of I-476 and I-276, at the I-276 Norristown exit (#333). Limo service is available from Phila. Intl Airport directly to the hotel.

Online registration available via PayPal – See <http://www.swlfest.com> for details!

If you aren't completing the online registration, please submit the following form with your registration amount or send for more information to:

NEW ADDRESS!! WINTER SWL FEST, P.O. Box 3292, Allentown, PA 18106 **NEW ADDRESS!!**

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For more information, visit <http://www.swlfest.com>

On the Shortwaves

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< www.ontheshortwaves.com > Update, December 27, 2015 -- Save for the war years, the S.S. *Leviathan* plied the waters of the North Atlantic from 1914 to 1934. Otherwise lost to history, but of interest to radio types, is an event aboard ship that took place on November 30, 1930, when the *Leviathan* was traveling from Boston to New York. According to press reports, the *Leviathan* made the first broadcast from a ship at sea, the program originating from the ship's on-board nightclub, the Club *Leviathan*. According to a carboned letter dated December 23, 1930 to DXer Dave Thomas, presumably in response to a reception report, the transmission was made from the ship on 4177.5 kHz. to the AT&T station in Forked River, New Jersey, and sent from there by wire to New York and on to broadcast stations of the NBC network. With the letter was a 1930 booklet from AT&T, "Voiceways Overseas from Lawrenceville," Lawrenceville, New Jersey being one of AT&T's main ship to shore transmission facilities of the day. We have posted this material under "DX History/Stations." For more on AT&T's multiple New Jersey locations, see Adrian Peterson's *Wavescan* N62, May 2, 2010. -- Also from Adrian Peterson, under "Specialized Resources," we have posted two more "Wavescans": "The Radio Scene on the World's Largest Coral Island: Christmas Island Radio" (*Wavescan* N356, December 20, 2015), and "QSL of the Week: Country Radio on Wrong Frequency" (*Wavescan* N356, December 20, 2015).

< www.ontheshortwaves.com > Update, January 3, 2016 -- Under "Specialized Resources," we return to "SWLing in World War II" and begin our review of shortwave coverage from another club of the wartime era, the International DXers Alliance. We begin with the years 1939 and 1940. -- Also in "Specialized Resources," Adrian Peterson has sent this new "Wavescan" entry: "The Prime Minister Speaks: International Broadcast From a Small Country Radio Station" [7BU Australia] (*Wavescan* N357, December 27, 2015).

< www.ontheshortwaves.com > Update, January 10, 2016 -- We return to Germany, with two more items from "Zeesen," the German shortwave station that dominated the short waves during World War II and before. They are: (1) an October 1939 German-English letter to listeners, outlining changes in their broadcasting (the war in Europe had started the month before); and (2) "Hello, Everybody! A Voice of Friendship, Short Waves Over the World," a four-page English-language writeup about shortwave and the German station's "Waves of Friendship." It is all posted under "DX History/Stations." -- And in "Specialized Resources" there are two new "Wavescan" entries from Adrian Peterson: "Two Men on an Island: The Radio Scene on the Island of Guam" (*Wavescan* N358, January 3, 2016); and "Focus on the South Pacific: Shortwave Callsigns in Australia VI.F" (*Wavescan* N358, January 3, 2016).

< www.ontheshortwaves.com > Update, January 17, 2016 -- Hearing Hawaii on shortwave always seemed special, but it was seldom that you could hear actual Hawaiian programming over the islands' shortwave stations. There were, however, some locally-grown Hawaiian programs that were carried over a couple of Hawaii's shortwave transmitters. The story is told in "The Sounds of Hawaii on Shortwave," which is posted in the "DX History" section under "Stations."

< www.ontheshortwaves.com > Update, January 24, 2016 -- Under "Specialized Resources/SWLing in World War II," we continue our review of the wartime columns of the International DXers Alliance, presenting the years 1941 and 1942. -- Also under "Specialized Resources/Wavescan," this new entry from Adrian Peterson: "The World's Oldest Mediumwave Station: The KDKA Story" (*Wavescan* N359, January 10, 2016).

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