

The **NASA** Journal

VOLUME XLXIII NUMBER 1

JANUARY 2013



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RADIO GUAIBA

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24HC

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DUST CAP

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SDR-IQ



The RFspace SDR-IQ™ with RF DSP™ offers unprecedented performance with a frequency coverage of 500 Hz to 30 MHz in 1 Hz steps. (Please note the low end tuning range is 500 Hz, not 500 kHz). It features the fastest and highest resolution plug and play spectrum display available. The SDR-IQ™ comes with the latest version of SpectraVue™ software. It supports AM, WFM, USB, LSB, N-FM, DSB and CW with fully adjustable DSP Filter bandwidths and FFT sizes of 2048 to 262144 points. The resolution bandwidth is as low as 0.031 Hz. The SDR-IQ™ is the smallest SDR with RF DSP™ that samples the whole HF band at once and performs the initial filtering at a 67 MHz sample rate with 23 bit accuracy. It has a high performance Analog Devices 14 bit analog to digital converter and sends 16 bits of I/Q Data to the PC via USB (no messy soundcard cables required). The SDR IQ is USB powered so no power supply is required. Works great with laptops running on batteries. It offers incredible receive performance and high resolution spectrum display capability. The rear panel has a USB port, serial port and BNC antenna input jack. The SDR-IQ software CD works with Windows 2000, XP and Vista. Made in the United States.

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NetSDR



The RFspace NetSDR is a high performance networked software defined receiver with 1.6 MHz bandwidth. The NetSDR uses a high performance 8U MHz, 16 bit ADC with both dithering and randomization for best performance. The output I/Q bandwidth is configurable via software. PC communications are handled over a 100 base-T port using 24 or 16 bit I/Q words. The NetSDR is a complete plug and play solution. As opposed to other SDRs in the market, there is no need for additional preamplifiers, preselectors or code development. The unit is compatible with the Meotronic SpectraVue and SDR-Radio software that will have you up and running in minutes. The software includes analog and digital mode demodulation and I/Q capture of spectrum at up to a 1.6 MHz bandwidth. The SDR Radio software allows the use of the NetSDR over the Internet. The full 1.6 MHz waterfall and demodulation audio can be transported via a 5 Kbit/s link. For those interested in writing their own applications, RFspace supplies a fully documented protocol for communicating with the hardware. There is no need to calculate the down converter DSP parameters. The NetSDR just needs the center frequency, attenuator and preselector filter settings, output sample rate and mode to begin streaming data. Other solutions require complicated USB interfacing that is platform specific. The NetSDR utilizes straight TCP/IP and Ethernet for all communications. This offers the highest possible performance due to the highly optimized Ethernet drivers on PC, Mac and Linux systems. The NetSDR packets are fully routable so that the receiver may be placed at remote locations. Multiple receivers can also be combined and their data transported over a higher data rate Ethernet pipe using simple switches and routers. In this application, each NetSDR can be set to a different IP address or port.

Order #0381

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NASA Notes

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

Happy New Year to all! I hope everyone enjoyed the holiday season as much as I did. We had a great time relaxing with friends and family and spending some time behind to dials checking out the shortwave bands. Anybody get some new equipment and have some stories to tell? Please send your *Musing* along to **Jerry Lineback** for all to read about.

Last month **Steve Handler** needed to step down as our *International Bands* editor. Steve was a valuable member of the editorial team helping to revise our abbreviations list and standardize formatting of logs within the pages of *The Journal*. Steve still will be with us as an active member so we will still benefit from his prowess on the shortwave bands. Replacing Steve will be **Dave Turnick** (david.turnick@gmail.com) who is a regular at our French Creek DXpeditions as well as a regular at our Reading Area DXers gatherings. Welcome aboard Dave! Long time club members may recall Dave was our reproductions wiz making reprints of technical articles when the Company Store was launched back in 1990. His first column will be in the February edition of *The Journal*.

For the first time in several months, there are no awards issued to Ace DXer James Young of Wrightwood, CA. Don't leave our Awards Manager **Gary Neal** idle. Check out what you may have qualified for and send in an awards application in the coming weeks. Let's try to keep Gary busy as Jim has done over the last several months.

Our own Winter SWL Festival is fast coming up. Don't forget to mark your calendar for March 1-2, 2013 for the 26th annual Winter SWL Festival hosted by co-Festmeisters **Rich Cuff** and **John Figliozzi**. Join us in Plymouth meeting for another great time. Hopefully, the form appears in this edition of *The Journal*. Follow Rich's *Easy Listening* column for ongoing updates. I look forward to seeing many of our members there once again.

Besides our own gathering at Plymouth Meeting in March, there are two events on the calendar for Europe later this year. The EDXC Conference 2013 will be held in Portugal, Figueira da Foz, West of Coimbra on 6-9 September 2013. Also, the Danish Shortwave Club International will hold its 57th Annual General Meeting (AGM) and a limited DX-Camp on June 14-16, 2013 at the Danhostel Ishøj Strand with the AGM starting as usual at 1400 local time on Saturday June 15th. More information will be available later this year.

Please remember to direct all communications about subscriptions, bulletin delivery issues, the use of PayPal as a payment method, etc. to **Bill Oliver** at the club's familiar 45 Wildflower Road, Levittown, PA 19057 or to his e-mail address, billoliver@verizon.net. Thanks!

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

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: 86 Pumpkin Hill Road, Levittown, PA 19056). He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: rmonty23@verizon.net.

50 Years of Unity and Friendship

Musings

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

Please e-mail musings to jerrylineback@comcast.net. Next deadline is January 23. Thanks to all contributors.

Richard A. D'Angelo rdangelo3@aol.com 2216 Burkey Drive, Wyomissing, PA 19610
I saw a report from Bruce Conti in the National radio Club's bulletin about a reasonably priced set of headphones with good performance. I was curious, so I bought a pair. The Sennheiser HD-201 headphones are around \$25.00 though Amazon. I thought what could go wrong at that price. I have only used them a handful of times but I am quite satisfied. The value for the dollar is good too. The extra long cord is quite helpful since I tend to wander around the shack looking for stuff which always seems to move around when I need it.

Here is a rundown of this month's QSL returns. The Mighty KBC verified a special broadcast with a postal full data tee shirt/transmitter tower card for an electronic report indicating 100 KW from Bulgaria on the card. Radio Japan via Wertachtal verified via Media Broadcast with a full data PDF attachment from Michael Putz, Sales Consultant, Business Unit Radio at Media broadcast. Media Broadcast continues to do a nice job verifying the business units that use their facilities although the lack of variety in the replies can be tiresome, hi! Finally, Radio Hargeisa verified a postal report with two cards. The first was a full data studio card signed by Baldur Drobnica, Consultant (Zedernweg 6, D-50127 Bergheim, Germany). The second was a ham QSL card with a group photo featuring Minister of Post & Telecommunications, Baldur Drobnica, H. E. President Dahir Rayale Kahin, and DL1QW. A note from verie signer indicated \$2.00 return postage is necessary from Germany. Thanks to tip from Jerry Berg. That was a nice card to close out the year.

That's it from Wyomissing!

73, Rich

That is all for this month. Please send your musings and thanks. 73, Jerry.



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.

Easy Listening

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

What will 2013 bring?

This time of the year I try to sit back and envision what the coming year will look like in international broadcasting and shortwave. I took a look at what I had said going into 2012, and it appears 2013 will be no different: The continued penetration of portable Internet-connected devices (smartphones, tablet computers) will consume the attention of broadcasters and listeners, and it will likely take systemic failures for many broadcasters to remember why shortwave was (and is) a useful platform for the delivery of programming to widely scattered audiences.

European broadcasters — traditionally responsible for the lion's share of easy-to-hear broadcasts in North America — will continue to struggle with budgets, and Asian broadcasters will work to expand their presence and influence here in North America. It is likely we'll see continued growth in the use of local AM outlets by folks like **China Radio International** and the **Voice of Russia** as broadcasters continue to devalue the domestic AM band.

By comparison, these broadcasters have been in a "maintain" mode on shortwave, though CRI did lose some frequencies when Canada's CSC shut down the Sackville transmitter operation.

Can Hurricane Sandy help shortwave?

It was interesting to see how my 15-year-old daughter rediscovered spoken-word radio in the immediate aftermath of Sandy. Our home was without power (and without Internet access) for six days following the storm, and radio became an important companion for us at home. Our daughter grew tired of commercial music radio very quickly, and she gravitated on her own to the region's spoken-word public radio stations. She found the information compelling and engaging — requiring more active participation than her typical TV and

streaming video fare.

This has little direct connection with shortwave, but it does remind us that local (and shortwave) radio need to retain the capability to use "old school" technology to reach the audience when their normal means of listening / viewing content are not available. And, not only do broadcasters need to be able to use these technologies, we listeners need to keep multi-band radios as backup tools at our fingertips when power goes out. So...if you didn't purchase multi-band radios for everyone in your family for Christmas, consider it a New Year's present instead.

Even websites are being cut back...

One trend that became more visible this past year was that broadcasters have been simplifying their worldwide web presence, relying more on automatically-generated content and spending less effort (and fewer \$\$) to update reference information other than "what's on right now". There are plenty of examples of incomplete schedule and frequency information for those using a station's website as an information resource, not just as a listening tool. History information, in general, is less available... the BBC World Service, for one, doesn't have nearly the collateral information leveraging on-air content that used to be available.

Increasing focus on archiving shortwave content

Not all the news is bad when it comes to shortwave, as broadcasters are increasingly recognizing the historical importance of their content and are making it widely available for listening. Perhaps the best example is the beloved **Letter From America** which aired both on BBC Radio 4 and the World Service. More than 500 episodes of the program — dating as far back as 1947 — can be heard via the BBC Radio 4 website; simply search for "Letter From America" from the main BBC website, <http://www.bbc.co.uk> .

Of course, it isn't shortwave when you listen online, but for some it may be the next best thing.

In previous months I've mentioned the effort that Jonathan Marks has made to make available many episodes of *Media Network* via the Internet...so there's another example of what you can find.

Some Listening Suggestions

Here are some snapshots of interesting-looking programs from various international broadcasters that you might want to check out.

Radio Australia

Creative Instinct is a program produced by the domestic **Radio National** that reflects and explores the creative world. The impulse to express a curiosity about the world through the creation of ideas and objects, words and music, is the essence of our cultural life. So *Creative Instinct* will provide a view into these creative worlds—worlds of sound and silence, artists and artisans, the written and the spoken. Where does the creative imagination come from and how do people go about expressing their ideas to the world around them? The voices, stories and soundscapes of our created environment—Creative Instinct is Radio National's celebration of artistic tendencies, wherever they exist.

Listen quick—it appears this program may not return in 2013 due to budget cuts within Australia's ABC. Airls 1500 UT Saturdays, 1530 Sundays, 1730 Mondays, and 1130 Wednesdays in the Pacific Service of Radio Australia; the 1130 Wednesday airing is probably the best chance to hear on shortwave in North America. Also available on-demand with an extensive online archive.

The Media Report is a long-running weekly **Radio National** program that talks to key players about what they do, what's been happening and what will happen in the media. It examines the major issues in media and communications every week and charts ongoing developments. *The Media Report* explores contemporary

journalism—as important as it ever was but facing existential challenges to its traditional business models in the digital environment. The program considers the new approaches and media enterprises emerging in a landscape that is always connected and hyper-mobile. The program examines media policy at home, explores the media's role in the fast-growing Asia Pacific and underlines the universal issues that emerge, wherever they are. Also, in an increasingly media-saturated world, *The Media Report* examines the contentious issues that each of us care about—privacy and reputation.

Mondays 1230 (best bet) and 1530; also available on-demand.

Voice Of Russia

The *Voice of Russia* has been gradually reinventing itself, and now features programming originating from London and Washington, DC that airs locally (via AM) and also via Internet streaming during key morning and afternoon drive times. Here are a couple programming samples that should be available via the web and also on shortwave:

The Culture Room "...is a place where we discuss the important issues that contemporary art and other social activities give rise to..." (per the program's website). Moscow nightlife, Soviet Design of the 1950s-1980s, and film festivals are among the topics discussed. Alec Luhn, a Russian journalist with a degree from the University of Wisconsin, hosts. Shortwave air times include Tuesdays, Thursdays, and Saturdays 0410; Mondays 1010; Saturdays / Sundays 1710; and, Sundays 2230. *The Culture Room* is also available for streaming and download; visit the Voice of Russia website, <http://english.ruvr.ru>, and click on <Programs> to navigate to on-demand editions of the program.

Home From Home features weekly interviews with foreigners who now live in Russia. Guests describe their background, their thoughts about Russia before they came, the reality they found here, and the life and work that keeps them here. They also

reflect on how life here has changed them personally and their attitude towards their home culture. The program is hosted by Sam Gerrans, who has backgrounds in languages, publishing, journalism and public relations, and has featured regularly on Voice of Russia since November, 2010. Shortwave air times include Sundays 0030, Mondays 0510, Saturdays / Sundays 1630, and Mondays / Wednesdays / Fridays, 2330. Visit the VOR website, <http://english.ruvr.ru>, to navigate to the program and its archives.

Winter SWL Fest: Open for Registration and Room Reservation

Elsewhere in the *Journal*, you'll find the registration form for the 26th (!?) Annual Winter SWL Fest in beautiful Plymouth Meeting, Pennsylvania.

It's the same weekend on the calendar — the first weekend in March — as in the past few years. It's our third year at the Doubletree Guest Suites, which has been a very pleasant environment for the Fest — every guest suite has a living room, and there is also plenty of common space in the hotel for impromptu gatherings as you connect with your hobby friends. We'll continue with the buffet format for Saturday lunch and dinner, which was very well received by folks last year.

As was the case last year, you can register for the Fest online as well as reserve a hotel room via the web — no need for a postage stamp or a phone call.

There are a few key dates to remember as you plan to join us:

February 8th: Last date for exclusive access to the block of hotel guest rooms that have been set aside for the Fest. After this date, the hotel can sell the set-aside rooms to others, and you may have to find a guest room elsewhere.

February 15th: Last date for the cheaper Early Registration rates for the Fest itself; after that date, prices go up.

Friday, March 1st, 9 AM ET: Close-out of registration for those wishing to participate in the Saturday lunch and banquet; we must submit final meal counts to the hotel at that time.

If you will be using the printed form in the *Journal* or from the Fest website, note that there is a **new mailing address** for Fest reservations: Winter SWL Fest, PO Box 3292, Allentown, PA 18106.

As you know, the Fest is an all-volunteer effort; it's a labor of love for forum presenters and Fest organizers. There are always opportunities where you can help with tasks such as equipment setup & teardown and registration support. Contact me via the e-mail or postal address above if you're willing to lend a hand.

If you have Internet access, the best place to learn about the Fest, check for pre-Fest updates, and register and reserve rooms online is the Fest website, <http://www.swlfest.com>.

Hope 2013 brings plenty of great listening!

73 DE Richard



Mark Your Calendar

26th(?) Annual Winter SWL Fest, March 1–2, 2013, Doubletree Guest Suites, Plymouth Meeting, PA.

Registration form is in this month's *Journal*. Watch for updates at www.swlfest.com.

International Broadcasting

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http://www.kimandrewelliott.com

Digital text via shortwave broadcast shows promise

My column last month introduced the concept of transmitting the digital text modes, used by radio amateurs, on analog shortwave broadcast transmitters. The digital text can be received on an inexpensive shortwave radio, even one without SSB capability. The audio is patched into a PC that does not have to be especially powerful. The text is decoded using any of several freeware or shareware programs. Especially popular now is Fldigi, which can be downloaded from www.w1hkj.com. While there, also download Flmsg and Flamp. These programs will add a dimension to your shortwave listening.

To get Fldigi working with your PC, configure it for your sound card, then go into your audio settings to select the correct recording control. In the Fldigi display, you should see a "waterfall" of whatever signal, digital text or otherwise, that is coming through your radio.

To practice reception of text modes, the easiest thing to do is to tune to 14070 kHz USB. This is where radio amateurs use the PSK31 (more precisely, BPSK31) mode. Move the cursor left and right on the waterfall to decode each transmission individually. Or, pull down the View menu, click Signal browser, to view all the PSK31 text transmissions on 14070 simultaneously.

Other modes can be found between 14065 and 14110 in the 20 meter band, and between 7035 and 7105 in the 40 meter band. ARRL's W1AW transmits digital text modes at 6 and 9 pm Eastern Time on 3597.5, 7095, 14095, 18102.5, 21095, and 28095. See www.arrl.org/digital-transmissions for more information. Amateur digital modes generally use USB regardless of the frequency band.

Also worth receiving and decoding are amateur radio nets devoted to NBEMS, or narrow

band emergency messaging software (the Fldigi suite). The New York state NBEMS net meets Saturdays at 10am ET on 7036. The Pennsylvania NBEMS net is Sundays at 9:30 am on 3583, then at 11 am on 7072.5. Both nets start with the robust Olivia 8-500 (8 tones, 500 Hz wide), then usually change to the also-amazing MT63-1000 (long interleave) mode.

Tests on The Mighty KBC and WRMI

Netherlands-based The Mighty KBC continues to grant me a couple of minutes for text modes during their broadcast to North America UTC Sunday at 0000 to 0200 on 9450 (via Bulgaria). The first text transmission is around 0130, and the second is just before 0200 sign-off. The 0130 session is plain text, while the 0200 is in Flmsg format. This will cause a new window of your web browser to pop up with an html-formatted message. If your browser is not started, it will be. On December 9, Christopher, K6FIB, had 100% copy and browser pop-up, in Oregon, 10,000 km from the Bulgaria transmitter. (To make Flmsg work, in Fldigi, go to Configure > Misc > NBEMS > check Open with flmsg and Open in browser and, below that, indicate where your flmsg.exe file is located. Also, for long interleave, go to Configure > Modems > MT-63 > check 64-bit (long) interleave, 8-bit extended characters, and Allow manual tuning.)

WRMI in Miami, 9955 kHz, has been inserting IDs in digital text modes during weekends. These are, of course, usually at the top and the bottom of the hour. There may be a hiatus during January, but the digital IDs will start up again eventually.

As NASWA members are aware, the WRMI signal, beamed away from us and towards Latin America, is usually fair at best, often downright poor. And then there is the Cuban jamming, hammering WRMI all day even though only a fraction of the station's

schedule is devoted to anti-Castro programming. Put together, WRMI's signal tends to be awful here in the USA. Which is excellent. It's a superb environment to test the digital text modes.

In instances where WRMI was barely audible through the noise, or even in one case where it was not audible at all, the WRMI text ID printed out 100%. The modes with various forms of forward error correct (FEC) and interleaving, of course, worked best. BPSK63F, MFSK16, PSKR125, and Olivia64-1000 were all successful despite the dreadful reception conditions. With most of the jamming noise in the lower audio reaches, placing the digital tones at a high audio frequency (Fldigi allows such an adjustment) seems to be a useful technique.

Firedrake, Shmiredrake

These days, probably the most famous shortwave jamming noise is China's infamous Firedrake: raucous Chinese opera music that probably does a good job of obliterating incoming voice broadcasts. A studio recording of Firedrake, downlinked by a satellite enthusiast, is available on the internet. I recorded Firedrake hot on one audio track, encoded a VOA news story into various text modes on a second track, then mixed them. No contest: the text modes won out.

But, in China, Firedrake is probably stronger than the incoming broadcast, so I lowered the audio level of the digital text. Using the Olivia 8-2000 mode, where 8 tones spread out over 2000 Hz, I was able to drop the text audio to -18dB (now audible only in the background), versus -0dB for Firedrake, and still achieved 98% copy. Using BPSK63F right at the top audio frequency, 3000 Hz, I was able to reduce it to -24dB (virtually inaudible) for 98% copy.

Digital text via analog shortwave broadcast can be useful to circumvent net censorship and as an anti-jamming tool.

I am tentatively scheduled to demonstrate the decoding of text via shortwave broadcast (using Fldigi to decode from shortwave

recordings) at the Winter SWL Fest, March 1-2 (swlfest.com).

Tune in tomorrow, same time, different frequency

Radio Free Asia has been trying an anti-jamming technique of its own. According to DX Re Mix, via Alokesh Gupta, via Shortwave Central, RFA is using a different 21 MHz frequency each day during its Mandarin broadcast at 0300-0600.

0300-0400 21765 Mon
0300-0400 21775 Tue
0300-0400 21785 Wed
0300-0400 21700 Thu
0300-0400 21710 Fri
0300-0400 21745 Sat
0300-0400 21755 Sun
0400-0500 21775 Mon
0400-0500 21785 Tue
0400-0500 21700 Wed
0400-0500 21710 Thu
0400-0500 21745 Fri
0400-0500 21755 Sat
0400-0500 21765 Sun
0500-0600 21785 Mon
0500-0600 21700 Tue
0500-0600 21710 Wed
0500-0600 21745 Thu
0500-0600 21755 Fri
0500-0600 21765 Sat
0500-0600 21775 Sun

It's amazing the 21 MHz band is so bereft of stations that RFA can use seven different frequencies during the course of a week. This probably won't stop the Chinese jammers, but it will make their job more difficult. I'm not sure if RFA is still doing this. Their schedule at rfa.org shows only 21450 and 21540 in addition to 11980, 13710, 15665, and 17880 for Mandarin at 0300-0600.

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

Shortwave Center

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

Happy New Year! To start with, I thought I would follow my own advice—expressed to you in last month's opening—and compose an article for Shortwave Center myself. Thus, we present a layman's view of the Newstar DR111 "all in one" DRM receiver. Also, we continue our series on the history of shortwave broadcasting in Sri Lanka (formerly Ceylon) as researched and provided by Adrian Peterson. 73.

Equipment Review: The Newstar DR111 DRM Receiver

By John A. Figliozi, KC2BPU

It is no secret that there is, of late, a dearth in what I will term "serious self-contained shortwave receivers", along the lines of which we became accustomed to experiencing during the late 20th century. Of course, the current market has been stimulated by some excellent and versatile software defined receivers (SDRs), the technological advances and performance of which get generally high marks from users.

SDRs, married as they are to personal computers, also permit ready reception and experimentation with DRM transmissions. Digital Radio Mondiale, in simplest terms the digital (as opposed to analog) delivery of shortwave, serves as the *bête noire* for many traditionalists and the halting and often inscrutable efforts of its proponents do not serve to lessen that hostility. Nonetheless, efforts to insert the technology into the radio delivery conversation continue, albeit sometimes apparently almost surreptitiously.

One of several major complaints has been the complete lack of relatively inexpensive and well performing self contained receivers available to the public at large. A recent responsive entry is the Newstar DR111, manufactured in China by the Chengdu NewStar Electronics Company. It is currently offered as a pre-production sample (i.e.: without FCC clearance) through the company's web site <http://www.cdnse.com/>

products/dr111, and two European vendors: <http://www.pfs-digitalradio.de> and <http://www.amazon.com/uk>. The quoted price is in the \$130 US range at this introductory stage, but the stated intent once (if?) the receiver goes into full production is to have it on the market for under \$100 US.

So, on the surface that would seem to satisfy the "self-contained" and "relatively inexpensive" concerns. However, what about performance? As I am not a technician, this review is confined to largely anecdotal impressions, rather than instrumental readings and rigorous scientific analyses.

Description

The DR111 has a clean, simple design, sporting two small (2 inch, 0.5 watt) stereo speakers; between and slightly above which is a backlit two line alphanumeric display. On the center top of the receiver is a series of buttons or keys that are used to operate the receiver, select its several options and serve as a means of setting and recalling the 48 presets provided. On the upper right front face above that side's speaker is a silver painted round knob that is used to both tune the radio and control its volume.

The ergonomics of the DR111 can best be described as challenging. Apparently, someone who is more familiar with computers than with radios designed this unit. There is no direct entry feature for frequency selec-

tion, so it takes many, many turns of the roughly one inch diameter knob to traverse the four frequency spectrums (FM and LW, MW and SW in analog and digital modes) even though a selectable fast and slow tuning bar just to the “southwest” of the knob is provided. (For several illustrations of the receiver, as well as a download of the instruction manual, go to the Amazon UK web site cited earlier.)

Several of the topside buttons serve to select more than one function depending on the sequence in which the buttons are pressed. While efficient in some respects, this adds a measure of unhelpful and unnecessary complexity to the receiver’s operation. Confusion does lessen some with use but annoying inconveniences remain nonetheless.

The DR111 does have some versatile and useful features. It has a clock, presets and selected preferences that are retained in memory indefinitely (albeit with a degree of inaccurate timekeeping) when the unit is disconnected from a power source. There is an alarm feature, sleep timer, earphone receptacle (that can double as an external port for independently powered 8 ohm speakers), USB port (apparently for firmware updates and future enhancements), an SD card port to allow for recording and playback and an external antenna receptacle for a 3.5mm plug. It has a built-in ferrite bar antenna for LW/MW reception, as well as a six stage, 42-inch rod antenna for FM and SW.

The radio’s appearance is not unattractive but it does have a somewhat “cheap” feel to it. There is virtually no “heft” despite its midsize appearance (roughly 11.5”x5”x4” and weighing about a pound). (Of course, this is at least partially due to the welcome miniaturization of complex electronic circuits.) The white plastic housing has a hard, brittle feel to it that makes one wonder if it is capable of protecting the internal electronics from even a minor mishap.

Though it obviously can be moved about easily, this is not a portable radio. It is powered by an outboard AC adapter that weighs

more than the receiver itself and draws a hefty 1000 mA at 5W. So even if batteries were an option, their lifespan would be inconveniently and expensively brief.

Performance

An expressed objective of the designer and manufacturer of the DR111 is to produce a receiver sufficiently sensitive on its own to allow for reliable reception across the board, but especially of DRM SW mode signals. My experience would indicate that it at least meets this threshold.

Over the summer on my aluminum and glass, screened-in backyard verandah in upstate NY, I was able to obtain extended periods of reliable, virtually uninterrupted reception of RNZI in DRM mode on both 15720 and 11725 kHz with use of only the whip antenna under normal propagation conditions. RNZI uses only 25kW targeting the Pacific islands.

Attaching an external antenna—a Sony AN-LP1 in one example, or an Alpha Delta DX sloper, a pretty substantial antenna in the latter case—increased the reception time frame somewhat. Using either of these did not overload the receiver. I have had similar and regular success with the only two DRM transmissions targeting North America (REE in Spanish, 0000-0200 GMT, 9630 kHz. from Costa Rica listed at 30kW; and The Disco Palace, 2000-2100 GMT, on 17875 kHz. from French Guiana, listed at 100kW.)

It even was possible to do a bit of DRM dxing with the DR111. On occasion, under favorable propagation conditions, it has been possible to secure reception of text transmissions identifying stations or transmitters targeting areas of the world apart from North America. On more rare occasions, some fragments of audio also were decoded. So, insofar as DRM is concerned, the Newstar DR111 seems to meet its published benchmarks.

As for its use as a “regular” receiver, deep concerns have to be expressed about its

audio performance, which is decidedly weak, tinny and without depth of any kind. Frankly, listening to this radio for any extended period is tiring and not at all a pleasing experience. It's passable for short periods when listening to FM or DRM, but the lack of any discernable audio response on the low end soon proves vigorously disappointing. In AM mode—whether on MW,

the unit performs as if it is using a DSP chip similar in nature to that used in some recent

Tecsun portables. An initial and major flaw has been addressed with a firmware update that has all but eliminated the “pumping effect” that had affected weak signals and made them almost entirely unlistenable.

However, it will take more than new firmware to address an audio situation that is mostly due to the unit's small, cheap speakers and non-resonant cabinet. The desire to have a mass produced DRM radio that sells for under \$100US will almost certainly provide a huge challenge should the manufacturer decide to improve the audio stage of the DR111.

The radio does not decode the HD (Hybrid Digital) format currently in use in the U.S. on MW and FM; but it does have RBDS capability on FM, which works fine. The paucity of screen space on the display means that the latter must do heavy duty through scrolling or by having the user actively select the desired information stream. Having said that, the DR111 does efficiently decode the Journaline News Service hierarchically structured information streams broadcast by DRM stations, which are more easily and readily decoded than the audio streams to which they are appended. This is a fact of life with DRM as a technology and delivery platform, not a facet of the receiver itself.

Conclusion

A July 2012 review by PCJ Media flatly termed the DR111 “a waste of money”. To be sure, experienced swls will note immediately a number of ergonomic and performance deficiencies. These could discourage

LW or SW—the experience can be truly grueling. Audio imperfections are magnified and exacerbated, a condition that makes it impossible to recommend this radio as a player for all-around use.

All of which is unfortunate because the radio's sensitivity appears to be quite good. I did not pry it open to check for sure, but

novice users as well. (Of course, at least as far as the latter group is concerned, this is nothing new for the shortwave genre in general.)

However, my experience with the DR111 leads me to the conclusion that the PCJ characterization is too harsh as long as one keeps in mind certain caveats.

First, regardless of how long it has taken to get to this point, this receiver represents a first serious and somewhat successful attempt to hit an affordable price point with DRM.

Second, any perceived or actual deficiencies in the DRM platform itself (such as the “all or nothing” nature of its reception) are not the fault of the receiver manufacturer.

Third, this radio is neither designed to be, nor is it (at least at this point in its development) a user's primary receiver.

Finally, “better” is a realistic intermediate objective. The fact that it isn't perfect is no reason to trash it entirely. Experience with the Eton E1—a demonstrably worthy, even superior in some ways, but admittedly somewhat flawed effort—should have taught us not to “pile on” criticisms indiscriminately—that is, if we want manufacturers to continue to take chances in a far from certain market.

To its credit, the manufacturer appears open to constructive criticism and has invited receiver owners to actively discuss, both publicly and privately, their experiences and critiques of the radio as it stands. And, as with many such products these days,

performance and features can be improved through firmware updates—two or three of which have already taken place with the DR111. (Some of PCJ's concerns have been addressed this way.) Its most recent update added a "professional monitoring" mode that gives a helpful readout of various technical aspects of DRM transmissions, improved the scrolling of the alphanumeric information displayed and successfully addressed a DSP audio output deficiency.

My principal suggestion for improvement would center on the provision of a direct entry keypad to both ease and speed tuning, either through redesign of the top-side button set or via an available outboard

unit connected to the receiver similar to that provided with the Lowe HF-150.

In the end, and speaking only for myself, I am happy that I spent this relatively small amount of money to secure an early sample of the DR111. It is a usefully sensitive, adequately performing shortwave receiver that allows me to experience and experiment with reception of DRM transmissions at a much lower price point than is possible with SDR receivers. In the end, while it certainly can stand further improvement, the DR111 is not without current utility and future promise. In that regard—and with these expressed caveats—I would rate it a worthy nascent effort.

The Story of Radio Broadcasting in Ceylon

Part 2: Colombo Radio

Adrian Peterson's Diary

This second installment [continuing from last month's SWC—ed.] covers the era from the mid 1920s up until the year 1939, an era in which the radio broadcasting station in Colombo was identified on air as Colombo Radio and Colombo Calling.

During the year 1925, plans were laid for the construction of a regular radio broadcasting station, complete with its own transmitter. As the first stage in the development of these plans, a new studio was installed in the Central Telegraph Office building in Colombo.

In addition, the longwave transmitter at the Coastal Radio Station VPB, inland a short distance from Mt Lavinia, was modified so that it could be used also for radio program broadcasting. Three channels, all in the longwave band, were in use at this stage, all rated at 1.5 kW, and these were: 130 kHz and 500 kHz for ship to shore communication, and 375 kHz for the new radio broadcasting service.

On December 16 of the same year, 1925, the new Colombo Radio was officially inau-

gurated by the British governor, Sir Hugh Clifford. At this stage, the total number of radio listener licenses in the Colombo area stood at just 176.

During the following year, an additional large studio was established in the University College Building, also in Colombo; and during the next year again, the entire studio function of Radio Colombo was transferred to the now very familiar Torrington Square. Actually, at that time, the large building at Torrington Square in the district known as Colombo 7, was located in an area known as Kumi Kele, Ant Forest. This building was constructed in the mid 1850s for use as an insane asylum, housing some 700 patients.

However, during this same time period, work commenced on establishing a radio transmission station at Welikada, out a little from what we might call Colombo proper. The first mediumwave transmitter for radio broadcasting in Ceylon was installed here, a unit rated at 1.75 kW. The original mediumwave channel was 600 kHz though this was changed to 700 kHz a few years later.

Then, in 1936, plans were announced for the construction of a much larger mediumwave transmitter, rated at 5 kW, together with upgraded studios in the building at Torrington Square. This new transmitter was designed and installed at the new facility at Welikada by the Divisional Radio Engineer, Mr. A. Navarasa.

The new double facility, studios and transmitter, were officially opened by the Minister for Communication, Major J. L. Kotelawala, on June 6, 1937. The registered listener license figure now stood in excess of 5,000.

A large Receiver Station was installed in 1933 out from Colombo on Buller Road with what was described as directional antennas (diamond shaped rhombics, we would guess) and a powerful receiver. This facility was for the reception of incoming programming from the BBC Daventry, and also from All India Radio.

Around the same time, that is in 1934, experimental broadcasting on shortwave also took place, and initially several different shortwave channels were tested, before the frequency 6160 kHz was finally chosen. The transmitter was rated at just 500 watts, and the original intent was that listeners in the shadow areas of the mediumwave transmitter might be able to hear Colombo Radio on shortwave. However, there were occasions when Colombo Radio on shortwave, under the same call sign VPB, was heard further afield, in India, Australia and even in the distant United States.

It would seem obvious to us that the shortwave transmitter was co-sited with the mediumwave transmitter at Welikada, and the antenna system was a simple form of wire radiator. The "Transmitter Document Project" by Ludo Maes in Belgium confirms that the shortwave transmitter was indeed installed at Welikada, co-sited with the mediumwave facility.


Programming on shortwave was usually in parallel with mediumwave, though there were experimental occasions when the shortwave transmitter took over from mediumwave and was on the air on its own during daylight hours in an attempt to widen the coverage area. The identification signal for Colombo Radio on shortwave was described as bell music.

The last day for radio broadcasting on shortwave from VPB Colombo with .5 kW on 6160 kHz was May 31, 1939. The reason for the closure was that the reliable coverage area on shortwave was little more than on mediumwave. However, when the closure became known among international radio monitors in Australia, it was lamented in a radio magazine of the time that this little station was one of the most reliable stations in the low frequency shortwave bands.

It was stated back then that the shortwave transmitter would be modified for use on mediumwave; however this intent was never implemented.

However, this little shortwave transmitter did not remain silent. In October 1939, Radio News in the United States reported that VPB was again heard on air. After these brief test broadcasts ended, the transmitter again went silent. But that is not the end of the story about this little shortwave transmitter, either.

At the end of the year 1939, there was thus only one radio broadcasting station on the air in Sri Lanka. It was the 5 kW mediumwave station on 700 kHz at Welikada, with the program feed from the Torrington Square studios in Colombo 7.

We plan to follow up on all of these matters next month, when this series continues. 

Listener's Notebook

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Times are UTC and frequencies in kHz.

ABKHAZIA On November 19 from 0700 to 9535 accept *Radio Abkhazia* on the Abkhaz. Leading woman, a dialogue with the man. Between talking songs and music of the Soviet period. SINPO - 35433. (Alexander Golovikhin-Russia/open_dx) In Kiev, too, can be heard on 3 and without interference from other stations. Listened to from 07.45, said the woman apparently in Abkhaz language, sometimes sung. Modulation is quite good, with no distortion. In 08.00 hearing has deteriorated. Broadcast continued in the Russian language, but make out nothing happens. In addition, on the next 9540 someone started to turn on and off the transmitter. (Alexander Egorov-Ukraine/open_dx)

AUSTRALIA 2368.5, *R. Symban*, Peats Ridge NSW. Talkback discussion program interspersed with lots of adverts in Greek at 1015. Fair level into Melbourne using 1kW non-directional antenna. This station appears to be on the air only intermittently these days. Noted Nov 30. (Rob Wagner-Australia/EDXP)

AUSTRIA 5955. *V.O. Vietnam* (via Austria), signal up at 1759:17, and immediately soft instru. mx. Usual peppy instru. signature melody at 1800, and M anncr w/opening anmnt. EG nx, feature, a few songs, then closing goodbye at 1827 and dead air till VT pgm beginning at 1830. 4 Dec. (Dave Valko-PA)

BANGLADESH Updated winter B-12 of *Bangladesh Betar*:

1230-1300 NF 7250 English, ex 15105
1315-1345 on 7250 Nepali
1400-1430 NF 7250 Urdu, ex 15505
1515-1545 NF 7250 Hindi, ex 15505
1600-1630 on 7250 Arabic
1630-1730 on 7250 Bangla
1745-1900 on 7250 English
1915-2000 on 7250 Bangla
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

BELARUS Winter B-12 of shortwave transmissions:

Radio 1 Home Service - Belarusian

0400-0700 on 7255

1500-1700 on 7255

1500-2100 on 6080

Radio Station Belarus website has their winter shortwave schedule as 1100-2300 on 11730, 1705-2300 on 6155. Languages are 1100 Belarusian, 1400 Russian, 1600 Polish, 1800 German (French at 1940 on Monday, Thursday, Saturday and Sunday), 2000 English (Spanish 2000-2020 Saturday, Sunday), 2200 Russian. (Mike Barraclough/WDXC)

BOLIVIA 6105.54, *R. Panamericana*, signal came on at 1047:42, went off the air for 13 seconds at 1050:37, and then back on w/pgm of rustic Andean instru. flute mx at 1050:52. 1052 W anncr w/buenos dias, and M anncr w/ment of La Paz, then back to more flute mx. Canned promo ID by M at 1055, then 2 more canned anmnts, and live studio M anncr. Lucky to catch ID. QRM from 6105 of course. 3 Dec. (Dave Valko-PA)

BOSNIA International Radio of Serbia heard in English to Europe 2200-2230 on 6100, co-channel interference from China Radio International. (Edwin Southwell/WDXC)

BRAZIL 5970, *Radio Itatiaia*, Belo Horizonte, 2150-22208, 27-11, "A Voz do Brasil", at 2202 identification: "Pela Radio de Minas, soccer comments "A selección brasileira". 24322. (Méndez-Spain/EDXP)

6070, *Radio Capital*, Rio de Janeiro, 0724-0735, 02-12, relaying Super Radio Deus e Amor program, religious comments, male, Portuguese, parallel with 6060, 6120, 9565 and 11765. 12321. (Méndez-Spain/EDXP)

CHINA 4750, *Voice of China*, Hailar, Nei Menggu, Mandarin service at 1110 Dec 4 and // 4800 (which was a much stronger signal) and 11710 (which was excellent copy). Other known outlets of 7215 and 9890 proved unsuccessful. Interesting to note that there was no copy of RRI Makassar which is regularly heard here mixed with China at this time. (Rob Wagner, VK3BVW-Australia/EDXP)

5050, *Voice of Beibu Bay Radio*, Nanning. Pop music and talk at 1020 in the Cantonese service, fair level and in the clear. This outlet is in parallel with 9820 kHz where the 15kW signal holds its

own very nicely against the much more powerful 150kW CNR 2 via Xianyang - indeed Beibu Bay was stronger much of the time than CNR 2 on 9820!! (Rob Wagner, VK3BVW-Australia/EDXP)

CHINA (Tibet) 4820, *Xizang PBS*, Lhasa, good level with topical program, many announcers and Chinese opera music at 1120 on Dec 4 //7240 (fair level) and 5935 (heard but pretty well smothered under WWCR). (Rob Wagner, VK3BVW-Australia/EDXP)

CLANDESTINE CMI Voice of Wilderness from Dec.5 in Korean:

1300-1330 NF 6275 DB Mon-Sat, ex 9920
1300-1330 on 15180 TRM Mon-Sat
1300-1400 on 15180 TRM Sun
1300-1430 NF 6275 DB, ex 9920
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Democratic Voice of Burma in Burmese:

1430-1530 on 11560 DB, from Dec 15
2330-0030 on 7510 ERV
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Denge Kurdistan in Kurdish:

1600-2000 NF 7390 secret / hidden site, ex 11510
0400-1600 on 11510 KCH
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Dimtse Radio Erena, new from Nov. 14 in Oromo:

1700-1730 on 11560 secret transmitter site
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

E-SAT Radio in Amharic:

1700-1800 on 15355-15395 hidden tx site Amharic
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

EDC Sudan Radio Service Darfur Program in Arabic:

0400-0530 on 13720 DHA
1600-1730 on 17745 WOF
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Furusato no Kaze in Japanese:

1330-1400 on 9950 TAI
1430-1500 on 9950 HBN
1600-1630 on 9780 TAI
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Hamada Radio International in Hausa:

0530-0600 on 7350 NAU Mon-Fri
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

JSR Shiokaze Sea Breeze:

1330-1430 on 6135 YAM *various (alt.5910/5985)
2000-2100 on 5910 YAM *various (alt.6110/5965)
Jap Mon/Wed/Thu; Chi/Kor Tue; Eng Fri; Kor/Jap Sat; Jap/Kor Sun (Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Khmer People Power Movement in Khmer:

1200-1300 on 9960 HBN Sat-Mon
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Khmer Post Radio in Khmer:

1200-1300 on 9960 HBN Tue-Fri
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Lutheran World Federation, Voice of Gospel (Sawtu Linjilia) in Fulfulde:

1830-1900 on 9800 WER
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

MND Radio in Korean:

0400-0455 on 5150 JNG
0400-0455 NF 6360 CHC, ex 6300
0500-0540 NF 4925 JNG, ex 5410
0500-0540 on 6550 CHC
0600-0635 on 6270 JNG
0600-0635 NF 6480 CHC, ex 6670
0700-0735 NF 5290 JNG, ex 5900
0700-0735 on 6435 CHC
1000-1040 NF 4925 JNG, ex 5410
1000-1040 on 6550 CHC
1100-1150 on 6270 JNG

1100-1150 NF 6480 CHC, ex 6670
1200-1255 on 5150 JNG
1200-1255 NF 6360 CHC, ex 6300
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Nippon no Kaze in Japanese:

1300-1330 on 9950 TAI
1500-1530 on 9975 HBN
1530-1600 on 9965 HBN
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

North Korea Reform Radio in Korean:

1500-1700 on 7590 TAC
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Open Radio North Korea in Korean:

1400-1600 on 7540 DB
2100-2200 on 7480 DB
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Que Me in Vietnamese:

1200-1230 on 9930 HBN Fri
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Biafra London schedule is now 1900-2000
Thursday and Saturday on 11830 via Wertachtal.
(HFCC schedules/WDXC)

Radio Dabanga in Arabic:

0430-0600 on 7315 SMG
0430-0600 on 11940 MDC
0430-0600 on 13800 DHA
1530-1630 on 13800 MDC
1530-1630 on 15535 SMG
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Damal, Voice of the Somali People in
Somali:

0400-0700 on 15700 DHA
1830-1930 on 11615 WOF
1930-2130 on 11955 DHA
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio ERGO in Somali:

0830-0930 on 17680 DHA
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Free Chosun from Dec.3 in Korean:

1200-1400 NF 7595 DB, ex 11560
2000-2100 on 7505 DB
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Free Kenyalang, new WRN service, observed
only on Dec.1-4

1200-1400 on 15650 secret transmitter site SEAs
Iban till Dec.4
1200-1400 on 15430 secret transmitter site SEAs
Iban not active
Those 2 frequencies have been cancelled from
WRN'S HFCC Database (Ivo Ivanov-Bulgaria/DX RE
Mix News via Dan Ferguson-SC)

Radio Free Kenyalang on Dec 13 via NEXUS IRRS SW:

1300-1500 on 17815 TIG, ex15650 TAC
ID in Iban at 1429 UT and frequency announce-
ment, 35543 in Sofia. (Ivo Ivanov-BUL, via wwdxc
BC-DX TopNews Dec 13)

Radio Free North Korea from Dec.3 in Korean:

1200-1400 NF 7485 TAC, ex 11550
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Free Sarawak in Iban:

1000-1200 on 15420 HBN
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Miraya in English/Arabic:

0300-0600 on 9940 secret transmitter site
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Okapi in French/Lingala:

0400-0500 on 11690 MEY
1600-1700 on 11795 DHA
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan
Ferguson-SC)

Radio Ranginkaman/Radio Rainbow in Farsi:

1700-1730 NF 7550 KCH Mon/Fri, ex 7530
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Radio Tamazuj in Arabic:

0400-0430 on 7315 SMG
0400-0430 on 11940 MDC
0400-0430 on 13800 DHA
1500-1530 on 13800 MDC
1500-1530 on 15535 SMG
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Radio Voice of The People in English/Shona/Ndebele:

1800-1900 on 9345 MDC
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Radio Xoriyo in Somali:

1600-1630 on 17630 ISS Tue/Sat
1600-1630 on 17870 secret transmitter site Mon/Fri
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

SW Radio Africa in English:

1700-1900 on 4880 MEY
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Suab Xaa Moo Zoo, Voice of Hope in Hmong:

1130-1200 on 11570 TAI
2230-2300 on 7530 TAI
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Voice of Assenna in Tigrinya:

1700-1800 on 15245 secret transmitter site Mon/
Wed/Fri
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Voice of Martyrs (Freedom) in Korean:

1600-1730 on 7515 TAC
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Voice of Oromiyian Liberation Front in Oromo:

1700-1730 on 15315 WER Sun
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Voice of Oromo Liberation in Oromo/Amharic:

1700-1800 on 13810 ISS Sun/Wed
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Voice of Tigers, in Tamil confirmed on Nov.3/10/17,
but not on Nov.24 & Dec.1/8:

1530-1630 on 12160 TAC Sat
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Zimbabwe Community Radio, Radio Dialogue in English/Shona/Ndebele:

1600-1700 on 12105 MDC
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

Radio Dialogue FM (to Zimbabwe) heard from 1605 tune-in on 17 Nov on new 12105 with a long interview in English about the textile industry. Talk interspersed with occasional African music. At 1645 into local language and more African music. Signal lost at 1700 — presumed transmitter off. Several identifications heard "Radio Dialogue - Giving You a Voice". Presumed via Madagascar. (Alan Roe/WDXC) Radio Dialogue is a non profit making community radio station aspiring to broadcast to the community of Bulawayo and its surrounding areas. Radio dialogue aims at providing a channel to debate and discuss current political, social, cultural and economic issues affecting the community of Bulawayo. It aspires to see a well informed and more developed Bulawayo. Radio Dialogue was founded in Bulawayo, Zimbabwe's second largest city, in 2001. Our slogan 'Giving You a Voice' expresses our aim to enable the people of Bulawayo to speak to each other. We strive to ensure that the people of Bulawayo hear the voices, not only of the rich and the powerful, but also of the women who sell tomatoes on street corners. Radio Dialogue is a community radio station for the entire Bulawayo community, transmitting the voices of the old and young, different language groups, ethnic groups and those of different religious affiliations. We do this in an effort to enhance community relations in Bulawayo, and to promote understanding and

tolerance between those of differing backgrounds, beliefs and interests. (<http://www.radiodialogue.com/>). Had a tip-off from a DXer friend in Wales, Mark Davies. He said try 12105 at 1600 for Radio Dialogue via Madagascar. I heard it @ 1615 with a full English ID and this ann....."Radio Dialogue, giving you a voice, putting you in the heart of the community". They mentioned FM but clearly state they are on short wave. At 1630 the language changed but still gave regular IDs in English. Very clear frequency and nice audio. Signal was 454 throughout. Would be interested to hear of other reports on other days. (Stephen Calver-UK/SWB)

3970, *Voice of Iranian Kurdistan*, via Salah Al-Din, Iraq, *0223-0424 fade out, Nov 14, IS, 0227 Anthem, ID in Kurdish, sermon almost // 4861, where the signal is one minute delayed, jammed after 0233, but not jammed at 0424. (Pankov/DX Window) Scheduled in WRTH 2013: Farsi 0230-0300, Kurdish 0300-0430. (Ed/DX Window)

4860.15 *V.O. Iranian Kurdistan* (pres.) Signal already on at 0254. 0301 strange vibraphone-like March tune, but then choral March at 0303-0306. Opening anmnt by W then tlk by M anncr. 0314 what sounded like Bluesy ME Pop mx. 0320 canned voice-over anmnt by W over mx. Much better in USB avoiding apparent jammer below on 4859. Getting a little slop from WWCR even here. Also some CODAR. Hrd while power was out all through town. 13 Dec. (Dave Valko-PA)

15650, *R. Free Kenyalang*, Got on the freq to late for s/on. M tlk in Iban(??) at 1213 t/in w/many ments of Sarawak. Sounded like a call-in. Occas. response from studio M anncr. 1227 SE Asian Pop mx. 1229:20 end of song and M anncr w/"hello" and ID to start the next phone call. Ment of President by caller. Really dropped off by 1240. Into mx again at 1244. M returned 1249 but nearly inaudible. Almost no signal at all by 1255. Really dramatic fade and strange propagation. 1 Dec. (Dave Valko-PA) 15650, *R. Free Kenyalang*, Seemed to come on in mid-pgm at 1200. Very poor. Later, ments of R. Kenyalang at 1301:05 by studio M anncr between phone calls. ID sounds more like R. Malang. Ments of Kenyalang, president, SWP, pariment, during next phone call. Was very good at this time. Found Pakistan 15700 doing well and playing the NA at s/off same time too. By 1400 was poor again and also seemed to go off in mid-sentence. 2 Dec. (Dave Valko-PA) 15430, *R Free Kenyalang*, new frequency in Iban 1200-1400, ex 15650. (Ivanov, Dec 07/DX Window)

New time and frequency for *Radio Free Kenyalang*:

0900-1000 NF 15360 Iban from Dec.17 via T8WH (Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

KUCHING: *Radio Kenyalang* will be the latest radio station to be transmitting through short wave, and it is bound to be courting controversies once it gets on air soon. Reliable sources said the RK, which will broadcast in Iban, is linked to Sarawak Workers Party (SWP). And just like SWP, RK will be BN-friendly but will hit out at Parti Rakyat Sarawak (PRS) the party it declared it would contest against in the coming election. The source also mentioned that RK will be something like Radio Free Sarawak (RFS). It will be headed by Lester Melanyi, who is the SWP media unit chief. (Borneo Post Online)

CONGO (DEM REP) The head of the UN Mission in the Democratic Republic of the Congo Roger Mies concerned authorities' decision to suspend broadcasts of "*Radio Okapi*" - radio station set up and functioning with the support of the UN. In his words, this decision is of particular concern, given the serious situation in North Kivu province, where the unfolding civil conflict. Roger Mies said that the program "*Radio Okapi*" is extremely necessary to the population: it transfers the calls for calm, the data on the curfew and other important information. (UN Radio 03.12.12, <http://www.unmulti-media.org/radio/russian/archives/126941/>.) (via MIDXB Russia Dec 4/TopNews) Okapi regularly hrd at 0400 on 11690 from Meyerton - RAD

CONGO (REP.) 6115, *R Congo*, Brazzaville, 1820-1824*, Nov 22, male speaker in French with news program ("*Journal*"), reports, both local and other African news conference details, music clip, abrupt s/off. (Bell/DX Window)

EQUATORIAL GUINEA 5005, *Radio Nacional*, Bata, 1825-1945, 24-11, male, Vernacular, comments, female, Vernacular songs, identification in Spanish by female: "Escuche Radio Bata, en su casa, en la oficina, Radio Bata, siempre entreteniendoo", some Spanish songs, singer José Luis Perales. 24322. Also listened 0540-0555, 25-11, Vernacular songs. 24322. (Méndez/EDXP) 5005, *R. Nacional*, Bata, signal on the air at 0453:39, then mx 13 seconds later w/ LA-Afro Hi-life style song repeating what sounded like Bata. Then Pcont. nonstop Pop and Rap songs. 0521:45 W anncr w/short ID anmt between songs mentioning "Para la ciudad...nacional ?? R. Malabo a la 6 horas ?? minutos...en R. Bata..la musica ??".

Unfortunately she had the mx up as loud as her anmnts. Had another short anmnt at 0528. Then played nonstop Hi-life songs after 0531. 0551-0559 tlk by M anncr. 0559 mx filler, then M returned at 0600 w/ment of Bata and tlk. Fading badly by this time. Speech after 0604. Could barely see the signal at 0707, but that was about it. Nice to hear this here again. Now if only Togo, Ivory Coast, Ghana, Benin, Gabon, and the others would return!! 24 Nov. (Dave Valko-PA)

ERITREA 5950, V.O. Tigray Rev., Really good signal at 0323 w/pleasant instru. HoA mx, almost Chinese sounding. M anncr at 0327. 0329 M and W anncrs, then jingles, and flute mx and pres. pgm intro. 0334-0343 voice-over tlk by W (mostly) and M over exotic violin-like string instru. mx alternating w/ segments of M over what sounded like a continuous harmonium tone. Many ments of "democracie" at one point. 0404 techo. instru. mx and M anncr. Horrible noise as the power came back on at 0404. 13 Dec. (Dave Valko-PA) 5950, V.O. the Tigray Revolution, Finally a solid line carrier at 1710, although it appeared to be a broken carrier line visible at times before that. Gradually getting stronger of course. Tlk by M at 1828. A lot of tlks. Mx heavy on the percussion at 1905. After another tlk segment, went into a C&W song at 1920. Typical HoA mx at 1926-1932. M anncr again. Would have been easy copy at this time if not for the splash QRM from adjacent V.O. Vietnam 5955 which actually came on at 1800 in EG. More HoA mx at 1955, then same M returned at 1958, and blasted out by KBS World R. just before 1959. Kind of surprised the signal would show up this early. 10 Dec. (Dave Valko-PA)

ETHIOPIA 6090, Amhara State R., Surprised to find this here. Already a carrier before 1800. Audio coming in at 1819 w/W anncr. African mx w/very heavy percussion at 1827 over BoH to 1832 W again. More mx. Getting some stronger peaks at 1847. Long tlk by same W 1849-1855, then HoA flavored vcl song by W to 1859. Deep-voiced M anncr in canned echo w/anmnt w/poss. ment of Amhara and radio, choral March or anthem for exactly 1 min., then oddly continued w/HoA mx for about a min. before finally going off at 1901:42. Couldn't open the audio file in Interval Signals Online (because of a missing codec), so couldn't confirm if this was indeed Amhara State R. I'd say its 99% certain though!! 11 Dec. Got a nice e-confirmation the day after my reception above: "We would like to thanks for ur commitment and appreciate your kindns in your reception report for listening. I can assure you that you hear the wave which is broadcasted from our

radio station on 6,090 kilohertz. We also received similar massages from 4 different countries like Finland, Italy, Greece and Japan. This has really amazed all the Radio broad cast staff members. Because, no one expected such genuine feedbacks from the destination which far away from Ethiopia, Africa and Middle East countries. Our station is located near the source of Blue Nile (ETHIOPIA / BAHIR DAR). The regional Radio station broadcast 9 hours a day. The content of the programs focused on social, Economic and political issues most likely at the regional level. We also have 53 journalists. We serve more than 15 million peoples of the region. The Amhara Mass Media Agency, by now on the way to finish a new media complex and also plan to enhance its transmission time from nine to 18 hours a day. We are very happy for your feed-back and we think we are lucky since we heard it from such beautiful land. Your feedback would encourage us to do more in the future. Please precede it. We attach the staff members of the Radio. Thank you again for your information-since we are working in developing media we also work strongly for the betterment of the people and the nation as well. Keep in touch, Chalacew Achamyelthe, Head of Amhara Radio Station, Ethiopia/BhirDar." Didn't hear it the last 2 days, so I wonder if they were testing or the sked is highly irregular. (Dave Valko-PA)

GUAM Upcoming frequency change of **AWR/KSDA** in Khmer from Jan.1

1300-1330 NF 15675, ex 17680 Daily
1300-1400 NF 15675, ex 17680 Sun
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

INDIA 4660, AIR Leh (presumed), 1219-1433. Frequent checks looking for any signs of audio. There seem to be a number of SSB stations that occupy this area, so beware! However, during some of the SSB talking, I detected some sort of singing mx at 1222. I was more certain when I caught a what sounded like a female singer soon after 1226. The SSB male voice was in at out at the same time, but NOT singing. As Mauno and I listen together (using our e-mail), I asked him to check. He was definitely getting weakly modulated audio from Leh as we exchanged further messages. Although encouraged, I am not yet convinced I actually heard what seemed like singing. Another factor this day was the especially strong QRN! This was on a particularly good morning to India, with lots of audio from Port Blair 4760 (however, read below) and Itanagar on 4990. It was much later (after 1325)

that the SSB talking stopped, and I never heard any additional audio from Leh. Since sunset at Leh was around the time of the strongest signal, as well as when the possible audio was detected (and Mauno's observation), may I suggest those who can check in the coming week the 1200-1300 time frame. (Jim Young-OR 11/27)

4990, **AIR Itanagar**, 1420-1425, Nov 26. In English; "Good evening. This is All India Radio Itanagar. The news read by..."; news, sports and weather ("Thirteen houses were gutted in a major fire mishap at Siyom Colony at Aalo in West Siang district on Friday last, leading to a huge loss of property. Even though the army, air force and police along with fire tenders were pressed into service immediately it took time to control the fire. There have been no reports of any casualties", chess tournament, etc.); into Hindi; almost fair. My local sunrise at 1456. (Ron Howard-CA/DX India) 4990, **AIR Itanagar**, noted here from as early as 1109 with a second station under (probably PBS Hunan). Pop mx to 1149, followed by anmts and talking till 1157. Flute mx followed past the TOH, distorted audio segment at 1215. Very strong signal, as well as audio in the 1150-1210 time frame. Sounded like ID of 'Itanagar', followed by EE newscast. Short mx interlude, anmts, and off at 1426*. (Jim Young-OR 11/27)

INDIA (KASHMIR) 4950, *R Kashmir*, Srinagar, 1719-1733, Nov 24, vernacular talk, news in English, 34443. (Groppazzi and Méndez/DX Window) Also heard at *0118-0210*, Dec 10, AIR IS, the national song "Vande Mataram", segments of talking, reciting from the Qur'an (being provided due to 95% of the population of Kashmir Valley being Moslems), subcontinent music and indigenous chanting/singing, 0210 suddenly off; no transmitter problems today; poor to occasionally fair. (Howard/DX Window)

INDONESIA Anyone know what the station is on 6125.202???? Music sounded at one point like Arabic. Now Pop style. It's 0900. Wow!! Now getting the Koran at 0905!! Wonder if it really is Nabire. Forgot to mention that, yes, QRMed by Japan 6130. But it's still plainly audible in LSB. Hopefully it'll be clear at 0930 when Japan goes off. It just went off in mid-Koran at 0910:00. Glad I had the recorders going. (Dave Valko-PA/DX Fossils) 6125, RRI-Nabire: 0840-0912* on November 30 with poor. 0840 Indonesian local pop music. 0849 YL Indonesian talk. 0850 Koran. 0900 YL Indonesian talk, then Indonesian local pop music. Suddenly s/off at

0912. //7290. Since end of February, 2009. (Atsunori Ishida-Japan/Monitoring Report Indonesian Radio Stations)

9525.90, for the last couple of days I have noted good reception of *Voice Of Indonesia* on 9525.90 kHz. Today I have monitored on and off from 1300 thru to past 1900. Programming as per WRTH:

1300-1400 English
1400-1500 Indonesian
1500-1600 Chinese
1600-1700 Arabic
1700-1800 Spanish
1800-1900 German
1900-2000 English
(John Hoadd-UK, BrDXC-UK Dec 8/TopNews) VoIndonesia measured 9525.890 at 1500 Dec 8, heavy buzz hum tone. RRI Jakarta Cimanggis 4th program at 1603 on 9680.050 with Gamelan music. (wb, wwdxc BC-DX TopNews Dec 8)

IRAN Frequency changes of *VOIRI/IRIB* in Japanese from Dec.9

1330-1427 NF 9585 SIR, ex 9785
1330-1427 NF 9665 KAM, ex 9540
2100-2157 NF 5990 SIR, ex 6145 // 7395 SIR
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

ISRAEL *Galei Zahal* now using 6885 and 15850, fair to good signals on both channels at 1546 November 22 with interview. Kol Israel Persian service now scheduled 1500-1630 on 13850 15760 per the Aoki online schedule. Both frequencies heard here with strong signals November 26, 1459 interval signal once, identification and website URL followed by talk. (Mike Barraclough/WDXC)

Frequency change for *Kol Israel* in Farsi:

1500-1600 NF 11595 Fri/Sat, // 9885
1500-1630 NF 11595 Sun-Thu, // 9885
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

LAOS 6130, *Lao Nat. R.*, 1156-1158, tlk by M anncr in Asian lang. 1158-1159 instru. Chinese-like mx. Quick instru. theme 1200:25, then usual gongs at 1200:52, M anncr briefly, and instru. song, and M again at 1202:20. Extremely strong OC from R. Havana Cuba on 6125 which nearly wiped out LNR when it started at 1200. Oddly, Cuba went off at

1202:55 leaving CNR alone on the freq and LNR clearer. Apparent nx by W anncr then w/frequent sound bites. Really faded quickly and barely audible by 1220. Unfortunately conditions were only fair. 21 Nov. (Dave Valko-PA)

MONGOLIA 4895, *Mongolian Radio*, Murun. 1040 with rapid fire talks in Mongolian aimed at NW Mongolia. Weak signal. Could not check the // 4830 because of the strength of ABC Alice Springs on 4835. However there was a carrier noted on 4830, so could well be the Mongolian Radio, Altay. No hope with 7260 because of the monster VOR signal in English and Vanuatu at that time. (Rob Wagner VK3BVW-Australoa/EDXP)

MYANMAR 7110, *Thazin R*, Pyin Oo Lwin, 0934-0936 and 1417-1445, Nov 16, 21 and 25, Bamar ann, romantic songs — early broadcast! 1430 English dinner recipe, music, 54444. (Petersen/INS and MLA/DX Window) Also heard at 1030, Nov 29, playing light pop music, but frequency drifting more and more at lower side, today on 7109.986. (Bueschel/DX Window)

OMAN *Radio Sultanate of Oman* heard on new 15560, ex 15140. HFCC registration is 1400-1600 100kw at 220 degrees. Fair here in Arabic at 1517 November 26, local music, identification 1519 followed by talk. (Mike Barraclough/WDXC) 15560, 1400-1600, THU 100kW 220deg 205azi Arabic OMA RSO. Noted with most modern percussion and guitar music at 1420 UT, S=8-9 more than fair signal. (wb, wwdxc BC-DX TopNews Dec 8)

New winter frequencies of Radio Sultanate of Oman, ex 15140:

1400-1500 NF 15560 English
1500-1600 NF 15560 Arabic
1600-2200 NF 15595 Arabic
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

PAKISTAN 11570, *R. Pakistan*, crushing signal this morning here w/AR-like Pop mx at 1232. M anncr at 1235:20. //15700 which was weaker. 1243 CH Pop mx. 15700 seemed just a split second behind 11570. Signal strengths and characteristics on these 2 freqs change quite a bit over the hour 1200-1300 they're on the air. 6 Dec. (Dave Valko-PA)

PERU 4775, *Radio Tarma*, Tarma, 2312-2325, 28-11, male, Spanish, advertisements, comments. 14321.

Also 2300-2320, 29-11, male, identification: "Radio Tarma, 4775 kHz banda de 60 metros, Tarma, Perú, América del Sur", male, female, comments, "Presentando antena deportiva, bajo la dirección del profesor...". 24322. (Méndez-Spain/EDXP)

4810, *R Logos*, Chazuta, Tarapoto, They sent me a nice QSL letter after 82 days. The letter was signed by Pastor Jairo Sangama Suarin y Conductor Radio Roimer Zumba Ojanama y Conductor Radio Germao Shapiama Panaijo. (Van Arnhem). I also received a QSL from Ray Rising, Project Director of the organization Ethnic Radio, after 108 days by using their e-mail address: cp6rr@yahoo.com . In the e-mail he said, that the station was off the air for about three weeks, due to problems with the electricity board, which had burned modulation, so when the engineer Ralph Wayne Borthwick came to Chazuta and looked at the damage, he could repair it with a circuit that was achieved in Lima. The transmissions of Ethnic Radio are made in ethnic languages of the Amazon rainforest as: Achuar, Shawi, Huampis, Bora, Awajun, Ticuna Urarina, Pastaza Quechua and Quechua San Martin. In addition to spreading the message of God, has an educational program focused on health, nutrition and education of the Amazonian communities. The Church has 58 years of work and community service, perform activities such as youth camps, adolescents and children (January), medical campaigns, Bible seminars, for Chazuta population that is considered cultural heritage of Peru for the crafts that are made there. (Rodriguez/DX Window)

6173.91, *R. Tawantinsuyo*, usual nx pgm w/M anncr at 1024. Many ments of Cusco, and Peru. Fading by 1030 w/the Chinese getting way overtop. Could still hear him going at 1050 but it was just imposs. to ID by then. They need to have an official sign-on ID routine no later than 1000. Usually signs on in mid-pgm around 1020-1025. One of the toughest OAs now. 3 Dec. (Dave Valko-PA)

PHILIPPINES *Radio Pilipinas* in Tagalog and English is now scheduled 0200-0330 on 15285, 17700, 17820 on 1730-1930 on 9825 11890 15190 all via Tinang. (HFCC website/WDXC)

ROMANIA Updated winter B-12 on *NEXUS IRRS Shortwave*:

NEXUS-IBA/EGR/IPAR in English:

0900-1000 on 9510 Sat

1030-1300 on 9510 Sun
1900-2000 on 7290 Fri/Sun
1900-2000 on 7290 2nd/4th Sat

Radio Joystick in German:

1900-2000 on 7290 1st Sat

Radio City in English:

1900-2000 on 7290 3rd Sat
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

RUSSIA Tatarstan Wave schedule is now 0410-0500 on 11895, 0610-0700 on 9410 and 0810-0900 on 11610. (Allen Dean/WDXC)

SAUDI ARABIA 15250, **BSKSA**, 1226, "We Are the Champions" by Queen, another Rock song and usual s/off anmnt, a little slower today, by W "And with that we come to the end of our transmission for today ?? English Service. ...transmission will start at 7.1910....5 PM. In the meantime...best of luck..." 19 Nov. (Dave Valko-PA) 15250, BSKSA, end of tlk abt the paranormal w/ments of ghosts, zombies, haunted houses, etc. by usual W anncr at 1147 more readable than it has been. Into "We are the Champions" by Queen (either they must like that song or they don't have a very large mx library). 1150 "Another Brick in the Wall" by Pink Floyd. 1153:35 another tlk by same W abt memory. Went off abruptly at 1157:00 but then came on just after 1200. Usual rapid closing by W at 1229. Was able to copy this "And with that we come to the end of our transmission for today ?? bring us to the ?? service. The ?? English transmission will start at 7 PM ?? time...9:30 PM in the...PM. In the meantime this is...wishing you a very good afternoon. ??". Best signal yet. 24 Nov. (Dave Valko-PA)

SOLOMON ISLANDS 5019.89, **SIBC/R. Happy Isles**, 1157, usual closing inspirational message running a little late over 1200. Closing anmnts by studio M anncr till the plug was pulled suddenly at 1202:00. So no NA today. Best its been hrd since in at least 6 wks. Rebelde splash of course. 20 Nov. (Dave Valko-PA) 5020 SOLOMON ISLANDS. SIBS Honiara, religious program to close out the evening's transmission at 1155. At 1200, annct as "You have been listening to the SIBC, Radio Happy Isles", then frequencies listed and the national anthem played. (Rob Wagner, VK3BVW-Australia/EDXP)

SOMALILAND 7120, **R. Hargeysa**, Surprisingly pretty decent at 1310 w/drum and vcl mx. Ham calling CQ in CW nearby. W anncr and more mx. Mx was more native African than Popular HoA. SP Hams came on the freq at 1316. AR mx at 1318. Really fady. 1323:00 W anncr in EG w/ID sounding like "...Hargeysa...broadcasting in...on 787(??) and ?? megahertz ?? and worldwide...", then usual lively instru. signature melody, then apparent EG segment by same W anncr. Thought hrd ment of "people" and "government" but had faded a bit. Horrible noise on the freq at 1328 then, and SP Ham came on. 2 Dec. (Dave Valko-PA)

Radio Hargeysa Voice of Somaliland in Somali:

0330-0500 on 7120
1500-1900 on 7120
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

SPAIN REE stops broadcasting on shortwave to Europe and North America. After stop listening some REE emissions confirms that from Monday 26 November, REE (Radio Exterior of Spain) has stopped broadcasting on shortwave to Europe and North America, from Noblejas and Cariari, emissions are only DRM. For other shortwave is lowered transmission power. It was a surprise to everyone. (José Bueno-Spain via dx_india yg, translated by google via Horacio Nigro-Uruguay/DXplorer) Just received the following from Alison Hughes with REE (Nov 30): "Dear Mark, Thank you so much!!! I wanted to answer earlier but it's been quite confusing here. Not only were we, here at the broadcast not informed, but apparently neither was the director of Radio Exterior. Obviously a long story and I don't know a quarter of it. It's been an awful week, angry, unhappy.... but the great news is that we are recovering our short wave service (yes, at least for the time being and next time they cut it, we expect to be able to warn everybody, give thanks, and name the new sites for listening), on the same frequencies, at the same times. Broadcasts may be restored this weekend, but certainly (they tell us) on Monday. YIPPEE.... Your letter meant an awful lot to us. Thank you Mark, from all of us and especially me y un abrazo muy fuerte, Alison (Mark Coady-ONT/NASWA Yahoo Group) Received this e-mail from REE late last week... The gist—they got a temporary reprieve: "Dear John, thank you so much for your letter, for listening and for thinking about us! It's been an awful week. We had no idea the broadcasts were

cut, and apparently, neither did the REE director. Oh. But the good news—really good news—is that the broadcasts, at the same hours on the same frequencies are going to be restored, perhaps this weekend, definitely on Monday. That way, should it be decided that Spain can no longer afford its short wave world service, we should have time to warn our listeners and prepare ourselves for new media. We'll keep you informed and again, John, thank you!! all our best, Alison Justin and Frank.” (John Figliozzi-NY/NASWA Yahoo Group)

Updated non-Spanish winter B-12 of REE with some corrections of azimuth:

Arabic

1700-1900 on 21610
1900-2100 on 7265 Mon-Fri
2000-2200 on 7265 Sat/Sun

English

0000-0100 on 6055 back on SW from Dec.4
1900-2000 on 9605 Mon-Fri
2200-2300 on 6125 Sat/Sun back on SW Dec.4

French

1900-2000 on 9590 Sat
1900-2000 on 12030 Sun
2000-2100 on 9570 Mon-Fri
2000-2100 on 9605 Mon-Fri

Portuguese

2100-2200 on 11680 Mon-Fri

Russian

1700-1730 on 11755 Mon-Fri

Sefardi

1425-1455 on 15385 Mon
0115-0145 on 11780 Tue
0415-0445 on 9690 Tue
(Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

SUDAN 9505, *Voice of Sudan*, Omdurman (Al Aitahab). First noted at 0440 (Dec 9) with a fair signal in Arabic. Programming of mainly local music including drums, strings, native instruments, and vocals, providing entertaining listening on a lazy Sunday afternoon while I pottered around in the radio shack! Often there were long pauses between the announcements and the next song. Occasional ID's including one in French! At 0531, the audio disappeared but the carrier was still present. Then at 0539, we were back with regular programming. Monitored to past 0630. (Rob Wagner-Australia/EDXP)

SURINAM 4990, *R. Apintie*, 0956-0959 tlk by soft-spoken M anncr. 0959 short anmnt by W. 1000 gong-like tone and M anncr w/ment of "...radio station...", then live M anncr for abt 30 sec., then another canned anmnt (nx sponsor??), and live M returned to 1012. 1012 canned anmnt. Still good on very short (a sec. or two at most) peaks at this late time. 6 Dec. (Dave Valko-PA)

TAIWAN I just want to take some time to let you know how the construction of *PCJ's* 20kw station is coming along. It's coming along slowly. It's slowness of having it built has to do with weather and technical factors. For example we need to have an aux transmitter with a minimum power out put of 5kw. In February I'm heading to RIZ Transmitters in Croatia where we are getting it from to finalize the deal. We also need by law a diesel generator as a back up. We got it this summer and it's sitting in storage and an overhaul of it will take place at the beginning of 2013. The antenna masts by law are going to be erected to withstand earthquakes of 8.5 and must follow construction codes for typhoons and katabolic winds, which the area is known for. I can tell you the launch broadcast will be something never heard before. And that's all I can say on that. The languages will be PCJ programming with some programs being expanded. Focus Asia Pacific will go from 30mins weekly to 2/1hour daily programs. Two hours of PCJ programming in English, 2 hours daily in Chinese and 1 hour daily in Indonesian. The rest of the schedule will be live relays of Radio Australia. Daytime hours will be targeting the Pacific with late afternoon and evenings targeting East and South East Asia. Each hour even PCJ hours will have 5 mins of news on the hour from Radio Australia. Each hour will be 58mins and 30secs, 1min and 20secs will be the PCJ interval and frequency announcement. Procession No. 4 for Natural Trumpet will be played on the hour. There are some other things going on as well, but I want to keep it as a surprise. (Keith Perron on Facebook via Mike Terry/BCDX via Jerry Berg/DXplorer)

USA Drastic cuts of transmissions in different languages via overseas relays. Cancelled all transmissions via MBR, Babcock, Madagascar and CIS countries. (Ivo Ivanov-Bulgaria/DX RE Mix News via Dan Ferguson-SC)

WJHR Milton Florida 15550: Following information direct from the station. Dear Shortwave Listener. WJHR is dedicated to providing the best in Christian radio broadcasting. We are no longer in the testing phase of our broadcasting. We just moved the station to a new location and installed a new directional yagi antenna. Our antenna is now targeting your area of reception so you should hear us better than before. We have very little financial support. If you would like to help us with the expenses of broadcasting I am sure god would bless your efforts. We target zone 4 which should allow you to hear us at times. We run 1000 watts currently to our yagi beam 75 feet up G. S. Mock WJHR Radio International. WJHR@usa.com. (Hardcore DX & Worldwide DX Club Top News/NZDXTimes)

VATICAN Vatican R (African Service) has a weekly programme "Communications Update". This was heard Thursday 20 Dec from just after 0520 on 7365 with the third (I think) and concluding part of an interview with Tina Salama (?spelling?) of Radio Okapi talking about the dangers and risks faced by Radio Okapi journalists. I assume that this is a repeat of the Wednesday evening UT broadcasts from Vatican R. Latest programme should be available for a week via Vatican Radio podcast of 19 Dec. (Alan Roe-UK)

VENEZUELA New Calabozo Shortwave Txer Site: Progress is being made on the new International SW Txion Site at Calabozo - located 8 kms Southeast of the township. The latest BING Maps satellite imagery update (November, 2012) provided new imagery of this site which now shows the land clearing for antennas & feeder lines & also guy wire concrete mounts now in place in preparation for the SW transmission towers. I often have trouble getting the Bing Maps "Imagery metadata" app to work on the Bing Maps webpage, (and so is the case today with this site) so I can't acquire the image date for the site image. Perhaps one of our members can & provide us with the image date? (Ian Baxter-AUS, SW TXsite Dec 2) Now, I count no less than 170-180 concrete mast poles of big and small size, around the TX house. Looks like will also be a big transmission center in future, like RHC Quivican San Felipe site, latter which consist 16 curtain array, 2xNVIS 60 mband antennas, and a log-periodic ant. (wb, wwdxc BC-DX TopNews Dec 2)

VIETNAM 7216.47, *V.O. Vietnam*, this is the stn here. Noted fairly strong OC at 1128. 1130 usual instru. March melody followed by M and W in RS w/ID anmnts, and into RS pgming. Perfectly clear this morning. No Ham QRM. There was a weak signal on 12000, which should be //, but didn't get any audio to confirm. Poss. // 1225. Definitely // at 1256 finally w/mx on both. 4 Dec. (Dave Valko-PA)

YEMEN 9780.086, Odd frequency footprint, Yemen *RTV Sana'a* in Arabic, a little bit under-modulated, poor carrier and tiny S=5-6 signal at 1418. Dec 15. (wb, wwdxc BC-DX TopNews Dec 15)

ZAMBIA 6015, *ZBC Radio*, Really nice signal when 6020 CRI wasn't playing mx. Tlk by M at 0322. 0327 brief AR choral mx, then studio M anncr all the way to 0340. W anncr, then dead air, what sounded like ment of ZBC by same M anncr, and into AR mx. About a million mentions of Zanzibar during nx after 0400. This would be a piece of cake without CRI. 13 Dec. (Dave Valko-PA)

ZANZIBAR 6015.004, footprint at 0411 Dec 13. S=7 fade-out gray line signal most probably from Zanzibar, typical Swahili lang talk by two males. Scheduled 0250-0600. (wb, wwdxc BC-DX TopNews Dec 13)

ZIMBABWE 6045, *R. Zimbabwe*, Nice Afro Hi-life mx at 0322 t/in. 0329 W anncr in Afro vern., then Afro Pop mx. 0335, 0344, 0348 brief anmnts between songs by W. 0348 -0354 t/k by M over mx, then W joined in. 0354-0358 choral NA. 0359 pleasant Afro guitar and vcl mx. 0359 W anncr again but couldn't catch an ID. Drum signature, then 0400 diff. W anncr w/def. ment of Zimbabwe. and pres. nx. Then the power came back on and the noise drown it out. Slop QRM from 6050. 13 Dec. (Dave Valko-PA)

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



Pirate Radio Report

Mike Rohde • 2615 Willow Glen Road • Hilliard, OH 43026 • hfpirates@gmail.com

Welcome to the January 2013 Pirate Report and Happy New Year to all! The month of December started out slow but activity built up as the month progressed. Conditions have been poor so let's hope that conditions improve in the early months of 2013.

This month I am pleased to present an interview with Radio True North for without further ado here is RTN:

I first became interested in pirate radio as a preteen fiddling around with a 100 in 1 electronics kit. I remember making the am transmitter and tweaking it to see how far I could get. The thought of transmitting worldwide went through my head at the time.

What inspired me to become an op was watching a youtube video of Delta Radio out of the Netherlands. Since I had the technical knowledge and equipment I thought why not!

I wouldn't say any particular individual inspired me. I will give the credit to the wonderful free radio community in Europe. I regularly hang out with those guys on Iann's Pirate Radio Chat.

I try to emulate what the guys in Europe would do. I like their programming style, and free radio should be all about free style. No set genre or format.

The reason why I do it is because I love music and want to share it. In a way I am trying to fill the gap that commercial radio has gotten into lately. It seems that most radio stations have gone to talk format, or they just seem to play the same music over and over.

The message I would like to send is that life should be fun. So should free radio,

and if it is otherwise you should be finding something different to do.

I enjoy tuning in on the guys in Europe. They are my mentors and I love listening to them via web receivers.

There are no particular ops that I admire. Perhaps I should say group. Hats off to all the ops in Europe because that is the birthplace of free radio aka pirate radio.

RTN thank you for the interview and I am sure we all look forward to hearing you on the air soon.

And now to the logs!

All Along the Watch Tower Radio, 6.925, 12-15-12, 1450-1540 UTC, 6.925u, 35333 S-7 1450 "This is all along the watch tower radio" repeated twice, 1451 into a nice song but I am unable to ID, mail address: AATW@gmail.com. First full transmission after running several test transmissions. [Rohde-OH]

Blue Ocean Radio, 6925U, 0234-0256+, 11-20-12, SIO: 121. Just above the noise floor. OM talking in EE with ID. A few songs noted/IDed by Shazam we're "I'd Rather Go Blind" by Koko Taylor, "Old Home Waltz" by Steve Riley & The Mamou Playboys, "I'll Fly Away" by Alison Krauss. Signal slowly faded away and was gone by 0300. (Lobdell-MA)

Channel Z, 6925, 1503-1524, 11-23-12. SIO: 232 OM playing punk songs of performers who had died at an early age. Heard "Pinhead" by The Ramones, "Sonic Reducer" by The Dead Boys. (Lobdell-MA)

Channel Z, 6925, *2133-2203, 11-25-12. SIO: 242/444/131. Sign on with good signal with a repeat of the dead punk rockers show, signing on with "Also Sang Zarathoustra"

by G.G. Baron. Signal peaked midway thru and was almost gone after 2200 UTC. (Lobdell-MA)

EBay Radio, 6925, 0153-0205, 11-23-12, 45444, S-8, Came on right after a SSTV TX (not sure if it was his or another). Opened with "Just Dropped In (To See What Condition My Condition Was In)" After that some well mixed crazy stuff a collage of different sound bites to include Star Trek, Car talk on NPR and others very well done. The carrier started to weaken and was completely gone by 0219. (Rohde-OH)

Energy Radio, 6.925, 12-12-12, 0038-0014, 6.935a, 35333 S7-8 came up here at 0038 with a strong dance beat Then into heavy dance or trance music 0039 a deep processed male voice says a single word in a lull in the music 0041 "what we're going to do right here is go back, way back into Time, Energy Radio" the ID was a female voice while the rest was a male voice. 0114 signal and carrier gone here. [Rohde-OH]

Insane Radio, 6925 AM, 0212-0250+, 12-18-12 S100: 232. Doomsday program featuring, sci-fi clips about an asteroid hitting the earth in 30 minutes and a giant tidal wave. Songs by Nine Inch Nails, Muse and Tool. SSTV image at beginning showed email as "yourradioisinsane@gmail.com". Fade out here around 0250. [Lobdell-MA]

Liquid Radio, 6935.3, 2240. Mellow instrumental dance tune, 2242 ID, more dance music. Fading in and out. 11/24/12. (Taylor-WI)

Pandora's Box, 6.940a, 12-1-12, 23232, 0224 Born on the Bayou 0229 possible ID, 0203 My Sharona I'm telling you now 0236 Big Shot 0241 a nice rise in signal for a brief time op talking thank someone for the reports Bowie Let's Dance off sometime just prior to 0300 [Rohde-OH]

Pissant Radio, 0056. Country music - Okie from Musokee, Glen Campbell, ID, warning to Washington DC that UFO's are coming over

the North Pole & headed their direction, more country music, other warnings and "news" of UFO's. Fair - poor. 11/26/12. (Taylor-WI)

Radio 2012 International, 6925,0132-0141*, 11-18-12 SIO: 232. IDs by YL announcer, mx including "Krupa" by Caba K. and "Illin N Fillin It" by Armand Van Helden. [songs IDed by Shazam]. Off at 0141 after ID. (Lobdell-MA)

Radio Casablanca, 6940 AM, *2211-2355*, 12-16-12. SIO: 343. Signing on with the French NA "La Marseillaise". ID, said broadcasting from Free French Morocco, gave email as radiocasablanca1@gmail.com. Lots of music from the late 30-early 40s including tunes by: D. Wilson, Kitty Kallen, Jimmy Dorsey, Ink Spots, Nat King Cole, Andrews Sisters, Benny Goodman, Shirley Temple, just to name a few. Clips from movie Casablanca and segment on Pearl Harbor attack, including FDR's speech. [Lobdell-MA]

Radio Mushroom, 6925U, 0054 EE ID by OM with e-mail address saying it was time to sign off but played "I'm a Believer" by the Monkees before pulling the plug; good; 19 November. (Robins-MI)

Rave on Radio, 6925U, 2300-2345, Nov 23, Neil Young music. IDs. Poor. Weak in noisy conditions. (Alexander-PA)

Turkey Breast Radio, 6925U, 2302-2325, 11-22-12. Good clean audio. Opened with "hail to the chef" then into a JFK speech where he announced the moon program. Closed with Hendrix's "Star Spangled Banner" off 2325. (Rohde-OH) (Taylor-WI)

Undercover Radio, 6925U, 0041. Dr. Benway talking, e mail address, bluegrass, shout outs to those who logged him on HF Underground (including me), more music. Fair. 11/26/12. (Taylor-WI)

WMPR, 6924.9,2055-2115, Nov 22, techno-pop dance music. ID: "WMPR, truth, love and understanding". (Alexander-PA)

WL0L relay, 12-15-12, 2337-0021, 6.935A, 35333, various music selections to include "True love will never die", "Sheila", and "Ba Ba Rumba" 0004 Dj's talking about an incident involving a Penguin. 0021 "WL0L, it doesn't Suck, 99 1/2 WL0L". Then off [Rohde-OH]

Wolverine Radio, 6925U, 0244. Music with assorted numbers and "work" in titles. ID every 3rd song. Good. 11/25/12. (Taylor-WI)

XFM,6945, 0334-0412+, 12-16-12 SIO: 232. OM DJ with live show, played tunes by The Stills, Hibernate, Dominique Dalcon, Toto, Don Henley. Talked about the school shootings in CT, gave a shout out to Renegade Radio at 0346. [Lobdell-MA]

XLR8, 6.925U, 12-13-12, 2341-0013, 35333 Heard here starting at 2341 with a bunch of unknown music. Big fade, 05.38 XLR8 ID via male voice, 0008 clear XLR8 ID [Rohde-OH]


Euro Pirates

Mustang Radio, 12-16-12, 1314-1320+, 15.020A, Just at the noise floor here in


inland USA shout out the Olddixer, 1317 playing Michael Jackson's "Thriller" 1320 signal has improved somewhat here in Columbus. [Rohde-OH]

BlueStar Radio, 12-16-12, 1352, 15.040A/15.840A, 25333, Have him on a pretty clear freq a steady signal on a somewhat cooperative noise floor. 15.840 is much better than the previous freq. of 15.040. [Rohde-OH]

Cupid Radio, 12-16-12, 1429-1446, 15.650A/21.460A, 35333, Fair signal just above the noise floor here. ~1440 moved to 21.460 then off at 1446 to go to a birthday party. 21.460 was the better of the two frequencies. [Rohde-OH]

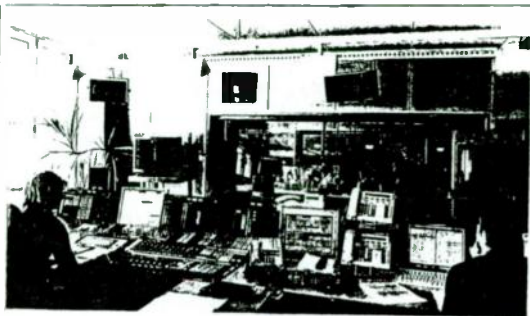
15.070, AM, NETHERLANDS, **Cupid Radio/Relay of Radio Ronin Shortwave**, 1504, Dec 2, English, 1501 opened with the Japanese Radio Ronin Shortwave interval signal "Here's the news", "Shoot to Thrill", SSTV around 1615 or so, A SSTV at about 1630 of Chuck Norris Still going at 1645 with his own programming now Fair. (Rohde-OH) 

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. 

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



Hörst du Wasen? Kultur ist überall!
Deutschlandfunk **Deutschlandradio Kultur**

ANDAMAN and NICOBAR ISLANDS:

All India Radio 4760 via Port Blair f/d email reply by C. Mookan, Station Engineer in 9 mos. for an EG rpt. w/ IRCs. (Jensen)

ARMENIA: Voice of Russia

9430 via Yerevan f/d "65 Anniversario de la Victoria en la Gran Guerra Patria" in 205 ds. for a rpt. in SP. Also rcvd. program schedule. (Jensen - sorry I forgot your State but I believe it may of been CA..Sam

ASCENSION ISLAND: Radio France International

7150 f/d cd. in 17 mos.

v/s Crystelle Namroui, Audience Relations. This was my second rpt. The first one was returned marked "undeliverable". (Field-MI).

ASIATIC RUSSIA: Radio France International 7135 and 12075 via Vladivostok f/d prepared cd. w/ same v/s as above. (Field-MI). 15595 via Khabarovsk f/d prepared cd. (Field-MI).

AUSTRALIA: VL8A 4835 via Alice Springs f/d email QSL in 4



VOICE OF NIGERIA
 ...the authoritative choice

STATION NOTES: Radio Universal Cusco 6090 Addr: Carlos Gamarra Moscoso, Avenida Garcilaso 411, Wanchaq, Cusco, Peru.

Email: adiliducusco@hotmail.com Radio Powerline 6305 Email: radiorp@live.nl Old Time Radio 6305 Email: oldtime48@gmail.com Radio Mazda 6305 Email: radiomazda@hotmail.com Laser Hot Hits 6970 Email: studio@laserhothits.co.uk Radio Nord 9940 v/s R. Forslund. Radio East Africa 15190 v/s J. Bernald. Africa Number One 9580 v/s G. Kalenda Mutelwa. ...via PLAY DX ...Sam.

hours for an email rpt v/s Gary Baxter. (Jensen).

BRASIL: Radio Roraima

4877.5 The station verified my email rpt. in 3 ds. v/s Barbosa Junior, Diretor Presidente and Iris Carvalho, Chefe de Gabinete. (D'Angelo-PA).

BULGARIA: The Mighty KBC

9450 via Kostinbrod f/d email cd. in 3 hours for an email rpt. (Jensen). 9500 The station verified my email rpt. in 6 hours. v/s Eric van Willegen who remem-

To Chris Lobck *The music feels good!*

Day	Month	Year	UTC Time	Signal	Frequency
18	08	2011	23:10	SV (tdb)	6.925MHz

© Mustang Radio
 www.mustangradio.com

Thanks for your report! Radio Mustang Crew - The Netherlands

embered me from prior shortwave rpts. He promised a QSL via the mail. (D'Angelo-PA).

CENTRAL AFRICAN REPUBLIC: Radio Bangui 9590 prepared cd. was rcvd. in 17 mos. (Field-MI).

COSTA RICA: Radio Exterior de Espana 9630 via **Cariari de Pococi** p/d "70 Aniversario" cd. in 11 ds. for a SP email rpt. (Jensen).

ECUADOR: Radio Oriental 4780 f/d cd. in 1 mo. for a SP rpt. and \$2.00. v/s Luis Enrique Espinoza. Also rcvd. business cd., window decal, Tena postcard and an Ecuadorian travel brochure. (Jensen).

ENGLAND: Radio Deutsche Welle 15700 via **Woofterton** The station verified my email rpt. w/ a brief Acknowledgement email stating that my rpt. has been sent to their service department from the French Section. (D'Angelo-PA).

EUROPEAN RUSSIA: Time Signal Station RWM 4996 f/d "Purple Clock" cd. in 5 mos. for an email rpt. in Russian and a CD rom for reception. Also sent 1 IRC. (Jensen).

FRENCH GUIANA: Voice of Russia 9750 Spanish Section relay f/d "50 Anniversary of Manned Space Flight" cd. in 120 ds. for a SP rpt. Also

Japan Short Wave Club QSL No. *10x-015*

To: *Mr. Scott R. Ambrose Jr.*

We are very pleased to verify your reception report of JSWC participated program as follows.

Station: *AWR/Radio Japan*

Date: *Mar. 14, 1995* Time: *0140 UTC* JST

Frequency: *11.975* kHz. Language: *English*

(Polina)

Japanese.

We hope your continuous support of our activity.

Signature: *Toshimichi Ohtake*

Toshimichi Ohtake, JSWC-0107

JSWC HQ, C. P. O. Box 29, Sendai, 980-8691, Japan.

STATION NOTES: WCS - Radio Waves International 6325 v/s Peter Hills and Philippe. Addr: P.O. Box 130, FR-92504 Rueil CEDEX, France. Email: rwaves@free.fr **Radio Winter National** 12257 Email: radio@winternation.al.co.uk **Zender Bizon** 6300 Email: radio97.1@hotmail.com **Polskie Radio** 9770 Email via the station's WEB: www.thenews.pl/static/ContactUs.aspx **Radio Romania International** 6070 v/s Victoria Sepciu, Spanish Service. Email: victoria.sepciu@yahoo.es **Deutsche Welle** 15595 via **Krasnodar** Addr: Deutsche Welle, Customer Service, D-53110 Bonn, Germany.



Prezado Ouvinte,

Muito obrigado por ter escolhido a Rádio Guarujá Paulista como sua Rádio. São pessoas como você, que querem estar sempre muito bem informadas, que estimulam a Rádio Guarujá Paulista a aprimorar cada vez mais a qualidade radiofônica, independente e corajosa, que faz dela a melhor Rádio da Baixada Santista.

Localizada em Guarujá, cidade turística conhecida por suas belas praias, a Rádio Guarujá Paulista foi fundada em 21 de Janeiro de 1946, são 57 anos investindo em tecnologia de ponta, além de mobilizar quase 40 profissionais para levar a maior informação, os melhores serviços e entretenimento à você. Prova desse investimento foi a implantação das ONDAS CURTAS E TROPICAIS que possibilitam a recepção de nosso sinal em território nacional e internacional.

	Watts de Potência	Terra - Sistema	Cobertura
ONDAS MÉDIAS 1550 kHz	10.000	54Mt de altura - Ondidirecional c/ monopolo dobrado	37 Municípios
ONDAS CURTAS 5,095MHz	1.000	Sistema Delta	Território Nacional e Internacional
ONDAS TROPICAIS 3,235kHz	500	Sistema Delta	Todo o Território Nacional
FM 104,5 MHz	25.000 Kwa	175mt de altura - 04 elementos de antena	Baixada Santista, Litoral Norte e Sul

A Rádio Guarujá Paulista possui dois estúdios sendo o oficial em Guarujá, à Rua José Yaz Porto, 175 - Santa Rosa - Guarujá/SP - Cep. 11.431-190, e o estúdio auxiliar localizada na cidade de Santos à Praça da República, 87 - 12º andar - cj.124 - Centro - Santos/SP e está conectada à Internet através dos sites <http://www.radioguarujam.com.br>, e <http://www.guarujafm.com.br>.

Receba as nossas boas-vindas, aprecie as fotos da cidade do Guarujá (em anexo) e confira nossa programação 24 horas diárias.

Mais uma vez, obrigado por ter escolhido a Rádio Guarujá Paulista - A Rádio da Família.



WYFR Family Radio 15450 via **Armavir** Email: international@familyradio.com **Radio Rossii** 7215 Email: rc-3-bush@mail.ru v/s Andrey Shaydur-ov **Radio Merlin International** 6305 Email: radiomerlin@blueyonder.co.uk **Radio Mistletoe** 6240 / 6310 Email: radiomistletoe@live.com ...via PLAY DX...Sam.

rcvd. program schedule. (Jensen).

HUNGARY: Radio France International 15460 f/d prepared cd. in 17 mos. (Field-MI).

ISRAEL: Galei Zahal-Israel Defense Forces Radio 15850 f/d "Microphone Head" cd. in 10 mos. for 1 IRC. This was after several f/up rpts. (Jensen).

LAOS: Lao National Radio 6130 via **Vientiane** f/d "Map and Symbols" cd. in 155 ds. for a taped rpt. after several

f/up rpts. and emails. (Jensen).
MONGOLIA: Voice of Mongolia 12085 via
 Ulaan Bataar f/d "Musk Ox" cd. in
 4 mos. v/s Ujang Ganchangua. This
 was preceded by an email thanking
 me for the report. (Jensen).

**SARAWAK: Radio Television Malaysia -
 Sarawak 9835** via Kajang f/d cd. in
 450 ds. for various dates and time
 for several US dollars and IRCs.
 (Jensen).


SINGAPORE: Radio Australia 6140 via
 Kranji f/d cd. in 7 mos. Also rcvd
 program schedule. This was after a
 f/up rpt. (Jensen).

SOMALILAND: Radio Hargeisa 7120 p/d
 cd. in 2 wks. for \$3.00 and a rpt.
 to: Mr. B. Drobnya, Zedernweg 6,
 D-50127 Bergheim, Germany. Also
 rcvd. 2 unsigned amateur QSL cds.
 for 600X Dxpeditons. (Jensen).

SRI LANKA: Adventist World Radio
 15690 via Trincomalee f/d "Adven-

STATION NOTES: Radio Eco 4410 v/s
 Gonzalo Espinoza Cortez, Direct-
 or Gerente. Email: gonzalpeco@hotmail.com
Radio Illimani 6024.8 v/s
 Marina Arrocha C., Responsible for Marketing. Email: marketing@patria
 nueva.bo **Radio 6150** Email: studio@radio6150.de **Cupid Radio 6295** Email:
 cupidradio@hotmail.com **Geronimo Radio 6940** Email: geronimoshortwave@
 hotmail.com **Radio Saint Petersburg** relay **Radio Rossii 9825** Email: tim
 ofeyev@sp.ru v/s Mikhail Timofeyev, DXer, QSL Manager and Chief Engi-

Eng/Comp 11/11/77/ 988a



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 12071
 LAGOS

p/d 4
 Nov 1977


Samuel A. Bork.
205. Liberty Ave
N.P.I. ...
W. A. ...
U.S.A. ... 06795

Thank you for your reports of 24th April
 1977. at 09:15-09:57 hrs. GMT. I
 have pleasure in confirming that the
 transmission was from our HOME SERVICE
 transmitter on7.145...KHz...
KHZ. Located at16.08.11N.

J. J. ...
 FOR CHIEF ENGINEER.


RADIO SEDAYE IRAN INC
IRKSTI

RADIO SEDAYE IRAN INC
RTI



راديو سدي ايران

راديو سدي ايران



Date December 24, 2002

Dear Listener

Thank you for the reception report of Dec-20-2002 at Hrs:01-CF-06040—
 Your reception details were found to be correct so this letter will serve as verification

The radio operates on 22 Meters _____ with 11575 KHz/MHz.
 _____ hours a day (8:30 to 10:30 AM California Time)

The studio is in Beverly Hills, California and the transmitter site is in Mount Wilson

Again, congratulations on your reception and thanks for the report Good Listening

Sincerely,

Radio Sedaye Iran,
 California USA

...via PLAY DX.Sam.

tist World Radio
 Returns to Sri Lan-
 ka" cd. in 5 wks.
 for an email rpt.
 Also rcvd. other
 brochures. (Jensen)

TAIWAN: Radio Taiwan
International 5950,
 9465 and 9680 f/d
 "Painting Scenes"
 cd. in 1 mo. for a
 report form in EG,
 also rcvd. other
 written materials.
 (Jensen).

**UKRAINE REPUBLIC: Rad-
 io Miraya FM 11560**
 via Mykolaiv p/d
 cd. in 42 ds. by
 "economy mail" in
 Foundation Hiron-
 delle envelope for
 an email rpt. (Jen-
 sen).

URUGUAY: Radio Sarandi 6045 f/d
 * email reply in 1 mo. for a
 taped rpt. and \$3.00. v/s
 Ct. Lic. Fernando Caetano
 Torres. Addr: Gerente de Ad-
 ministracion y Finanzas, Eri-
 riqueta Compte y Rique 1250,
 Montevideo, Uruguay. (Smith-
 MA).

**USA (Pirates): Metro Radio In-
 ternational** 6925 f/d "Cabin
 in the Woods - Show Room
 Dummies" email reply in 1
 wk. from: metroradiointernat
 ional@gmail.com (Lobdell-MA)
Blue Ocean Radio 6925 f/d
 "Lighthouse Sunrise" cd.
 from station operator Johnny
 Oaktree (yea sure) in 2 wks. for a rpt. to: radioblueocean@gmail.
 com (Lobdell-MA).

UZBEKISTAN: Trans World Radio India 7510 via **Tashkent** f/d email cd. w/



STATION NOTES: Frieloo Radio 6240 Email: frieloo@online.nl **Ascona Zen-
 der** 6295 Email: zenderascona@hotmail.com **Radio damascus** 9330 v/s Mrs.
 Amelia Puga, Secretary for the Spanish Section. Email: radiodamasco@
 yahoo.com **La Voz Cristiana** (ex Radio Manantial) 4986.4 v/s Mrs. Liz
 Tari. **WBCQ The Planet** 9330 v/s Allan H. Weiner **Radio Nacional Amazonia**
 11780 v/s Luciana Cou-
 to, Coordinadora Radio
 Nacional Brasilia. **KSCS**
 25990 via **Arlington, TX**
 This is a 10 watt feeder
 relay station. Addr: 2221
 East Lamar Blvd., Suite
 300, Arlington, TX 76006
 via **PLAY DX...Sam.**

QSL - RADIO PRIDNESTROVIE

MD 3300 Tiraspol, Pravda str.31
 MW - 999,0 kHz; 6240,0 kHz
 621kHz
 e-mail: radioipmr@inbox.ru
www.radioipmr.org
<http://radioipmr.org/golos/1029>

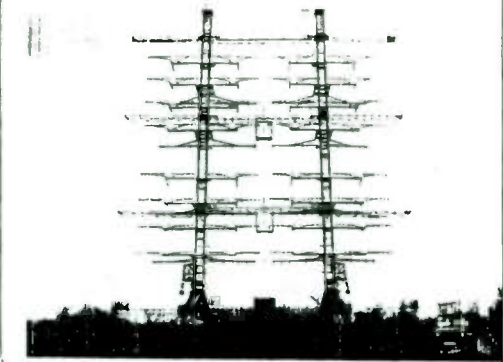
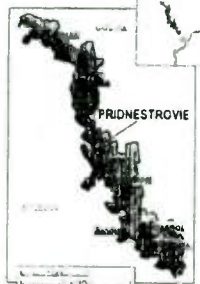


Dear Richard D'Angelo!!!
 W/c confirm your reception report to our
 Radio Pridnestrovie at 2255-0145/1856-2145 UTC
 On 6240/7370 kHz on Nov-26-29/Dec. 12, 2007
 From the USA.

Thank you very much
 for Report.

73!

From Mr. Anatoly Akin
 Director of the Radio PMR



incorrect nation in 18 hours
 after a f/up rpt. from Decem-
 ber 2011. v/s John Rajput.
 (Jensen).

In some ways I'm speechless.
 I actually filled my quota
 of four pages this month.

Thank you to all of you that
 contributed this month.

Hope to hear from you next
 month.

Best of QSLing and I hope
 you all had a wonderful Sea-
 son.

Till next mongh. Give your
 children a hug...Sam

Tropical Band Loggings

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- 2850 **NORTH KOREA KCBS** Pyongyang 1331 V. poor w/ mx; must be KCBS; only other possibility for a b/caster would be a third harmonic of 950; it's been ages since I have heard any non-lcl MW harmonic in the 2+ MHz range; maybe new antenna will help?; next day at 1257; poor w/ mx; condx worse than yesterday; nothing making it on 90m; 11/10 & 11. (Hauser-OK) 1130-1215 Audio; 1205 M & W ancrs in conversation; joined by third person; 11/27-28. (Wilkner-FL)
- 3280 **CHINA V. of Pujiang** Shanghai 1225 M ancr in vern.; //5075-better; //4850 unheard; 11/17. (Perry-IL)
- 3310 **BOLIVIA R. Mosoj Chaski** Cochabamba 2320 The one noted here; v. strong; 11/16. (Wilkner-FL) 0930 (P); W ancr w/ talk; rather weak w/ slight ute QRM; 11/24. (Robins-MI)
- 3320 **NORTH KOREA Pyongyang PBS** Pyongyang 1125-1135 Audio noted; used as band indicator; 11/18. (Wilkner-FL)
- 3325 **INDONESIA-KALIMANTAN RRI Palangkaraya** 1328 Rustic mx; 1330 W ancr ment. Indonesia; almost one semihour after sunrise here; S9+12; 11/10. (Hauser-OK)
- 3329.53 **PERU Ondas del Huallaga** Huánuco 0945-1045 M ancr w/ "Radio ondas del..." yipping w/ mx; CHU strong but notched; good; 11/5. (Wilkner-FL) 1010-1040 Mx; weaker sig the last two weeks than regular; 11/19, 22 & 30. (Wilkner-FL)
- 3375.05 **BRAZIL R. Municipal** São Gabriel da Cachoeira 1017 (T); Slow mx & W ancr; not strong & already fading; 11/24. (Robins-MI) 3375.12 1000-1020 M DJ w/ instrumental mx; good; 11/24. (Wilkner-FL)
- 3975 **VATICAN CITY Vatican Radio** Sta. Maria de Galeria 0658 Organ mx; fair; // stronger 6075 & weaker 7250; both 3975 & 6075 cut off just after 0659*; Latin mass at 0630-0700; 11/12. (Hauser-OK)
- 4055 **GUATAMALA R. Verdad** Chiquimula 0937-1043 Children's chorus vcl; M ancr in EE; strong sig; 11/5 & 29. (Wilkner-FL) 0913-0940 T/in to 6 note IS played on an electronic keyboard; long choral NA at 0915; opening multi-lingual ID ancrments at 0920; SS talk at 0924; noticed EE relg talk at 0935; not sure when they switched to EE due to high noise lvl masking much of the recep; fair at 0913 but deteriorated to v. poor by 0930 due to high noise lvl; 11/10. (Alexander-PA) 0520-0530 EE; Prg of secular Xmas mx; odd choice for this noted relg b/caster; ID & calls for rpt; heavy sweeper QRN; poor; 11/23. (Wood-TN) 1105 SS; M ancr w/ bit of hymn on organ; poor; [date?-ed.] (Taylor-WI)
- 4319U **DIEGO GARCIA AFN** 2230 M ancr in EE; in the clear with no UTE interference; 11/18. (Wilkner-FL)
- 4451.2 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 2330-0030 Aregular w/ weak sig; usually M ancr w/ chat; 11/16 & 17. (Wilkner-FL)
- 4700 **BOLIVIA R. San Miguel** Riberalta 0022 (P); JBA carrier & a trace of modulation; heard in the mornings by A. Robins & R. Wilkner on 4699.95 or 4699.9; 11/10. (Hauser-OK) 1000-1020 Noted here until f/out; seemingly off on Sunday morning at this time; 11/22 & 30. (Wilkner-FL)
- 4716.19 **BOLIVIA R. Yura** Yura 1000-1015 Noted here until f/out; also off Sunday mornings at this time; 11/22. (Wilkner-FL) 4716.64 0014 (P); In again tonight w/ mx; better at 0022 & at 0047 it's become the best of the 4.7+ MHz sig; 11/10. (Hauser-OK) 4716.7 2330 (P); Mx w/ occ. ancrments; vcl mx had high-pitched notes & flutes; W ancr at 2325 but too weak to ID lang; 11/9. (Robins-MI) 4716.71 0201 Upbeat CP folk mx w/ M vcls, guitar & lovely Andes-sounding refrain played on pinkillos; 0204 M ancr in SS w/ what I later figured out was a closedown ancrment; waited 5 minutes for mx to resume & then realized Yura had already gone adios, hi; usually hear this one, often & usually much better sig, during lcl mornings after 1000; 11/10. (Perry-IL)
- 4746.75 **PERU R. Huanta 2000** Huanta 0018 (P); Weak sig w/ mx & talk; (P) R. Huanta, which may vary a little around 4747; 11/9. (Hauser-OK) 4747 1000-1030 Noted here w/ strong sig; 11/18, 20 & 22. (Wilkner-FL) 4747.1 0033 Weak stn w/ mx' no doubt R. Huanta 2000 on characteristic freq; 11/23. (Hauser-OK)
- 4750 **INDONESIA-SULAWESI RRI Makassar** 1334 SSOB w/ mx; 1335 W ancr in Indo; w/ BFO I can tell there is a second sig on slightly diff. freq. Bangladesh or China?; 11/10. (Hauser-OK)
- 4765.05 **TAJIKISTAN Tajik Radio 1** Yangiyul 1810-1818 M ancr w/ talk; best heard in SSB w/ inter-filter; strong static crashes & fast QSB; poor w/ NIR12; 11/8. (Serra-Italy) 4765 0059 (P); Weak stn w/ mx past 0100; no time sig; ME/Central Asian (?) M & W w/ ancrments; more choral mx; 11/20. (Hauser-OK)

- 4774.9 **PERU R. Tarma** Tarma 0037 Andean mx; also weak bonker QRM nearby; no doubt R. Tarma, which R. Wilkner has measured here, altho B. Alexander had it on 4774.96 in the morning; v. poor; 11/9. (Hauser-OK) 4774.95 0017 (P); Mx & animated SS ancr; back to mx at 0022; ad or promo at 0030 w/ heavy echo fx; best in USB due to ute on the low side; 11/8. (Robins-MI) 4774.96 1025-1040 Peruvian folk mx; SS ancments; p-f in noisy condx; 11/6. (Alexander-PA) 4775 1020-1045 The one noted here; v. strong; 11/6. (Wilkner-FL)
- 4775.01 **BRAZIL R. Congonhas** Congonhas 2349 (T); Relg mx & QRM from R. Tarma on 4774.95 which was slightly stronger; M in (P) PP at 2354, too weak to be sure; 2357 mx; only Tarma heard after 2358 which matches reported s/off for Congonhas; weak; 11/9. (Robins-MI)
- 4780 **DJIBOUTI RTD** Atta 1819-1828 AA; Lcl chant w/ instrumental mx; 1823 M ancr ment. Djibouti; best heard w/ fast QSB; S9+15; lite to moderate static; fair; 11/8. (Serra-Italy) *0259-0316 Open carrier followed by orchestra NA; M ancr w/ opening ID & ancments followed by brief nx; Qurian from 0303; p-f; 11/10. (DiAngelo-PA) *0300:20-0330 S/on w/ NA; AA talk at 0301; Qur'an at 0303; talk at 0313; p-f in noisy condx; 11/10. (Alexander-PA)
- 4781.64 **ECUADOR R. Oriental** Napo 1100-1115 Exceptionally strong sig on s/on then f/out; most lcl mornings; 11/4. (Wilkner-FL) 4781.68 *1100 Tracking their morning slot many days now & they are very, very reliably *1100; sometimes a minute or two before/after, but a consistent daily visitor; abrupt s/on a minute late; sig not initially great but then peaked around 1105 w/ exc. power; morning sports prg w/ lcl ads; M ancr at 1105 i...en el Mercado Central Tena...son las seis de la manana y 6 minutos...Los Deportivos del Mundo..i; more TCs then ad for iBanco de Guayaquil, su banco del barrio...i; more ads but noise coming up & sig lost by 1110; 11/10. (Perry-IL) 4781.7 2316-2328 (P); Non-stop lcl pop mx; initially poor sig w/ minor fading & major static; strength declined steadily, barely keeping above the noise; still there at 2337 recheck; 11/15. (Evans-TN) 4781.72 0035 SS TC at t/in for 19 horas, 35 minutos, i.e. UT-5; im'sica, en Oriental, tu Radioi; 11/23. (Hauser-OK)
- 4795.8 **BOLIVIA R. Lipez** Uyuni 0930-1015 (T); M ancr w/ chat; high noise lvl, faded before Bolivians 4700 & 4716; last heard in early March for a brief period; if history repeats, need to log this Bolivian now; also noted at 2300-2310 w/ fair sig; gone by 2317 recheck; had no logs during 2300-0100 last March; 11/30. (Wilkner-FL)
- 4800 **CHINA CNR-1** Geermu 2352-0013 CC; Interview; M & W w/ ancments over mx; pps at 0000; more ancments & (P) nx at 0004; talk; best heard in SSB w/ moderate static; het nulled in LSB w/ inter & notch filters; fair; 11/9 & 10. (Serra-Italy) 0008 Hyper CC talk in typical CNR-1 style, no doubt the Geermu 916 site which is 100 kW non-direxional & on the air 22 & 2/3 hours per day per Aoki, now near grayline; just where is Geermu, anyway? WRTH map puts it in remote west-central China, just outside (?) Tibet; 11/20. (Hauser-OK)
- 4810 **PERU R. Logos** Chazuta 2310-2340 Carrier w/ audio; best tuned in LSB; clear sig w/ flute mx & male vcl at 2337; 11/5 & 30. (Wilkner-FL)
- 4814.64 **BRAZIL R. Difusora** Londrina 0038 Mx & PP ancments vs CODAR & must use USB tuning to take out uteblob on lo side which is also an obstacle to the hi side of 4810 R. Logos; recheck at 0058 w/ M & W talk; 0101 some electronic sound fx; 0102 ID ments. ondas curtas 62m, donit catch the name or callsign; 11/23. (Hauser-OK) 4814.97 0147 PP; Ancments & relg-sounding choral mx; fanfare at 0155; ID ancment w/ echo fx; choir to 0159; more fanfare & echo ancments; 11/10 & 21. (Perry-IL)
- 4814.98 **ECUADOR R. El Buen Pastor** Saraguro 1052 SS; T/in w/ unmistakable Andes-themed mx & M ancr w/ TC, i5 horas y 52 minutos, 5 y 52..i CODAR QRM & low modulation; 1055 usual calm, low-voiced locutor in SS; fadey sig; best heard in ECCS-SSB; 11/10. (Perry-IL)
- 4820 **TIBET PBS Xizang** Lhasa 0025-0035 CC; M & W ancrs over mx; ment. Zhongguo; best heard in SSB w/ moderate static; fast QSB; fair; 11/10. (Serra-Italy)
- 4824.49 **PERU LV de la Selva** Iquitos 2310 Noted here w/ good sig; s/on close to 1100 lcl mornings or f/ in w/ this pattern; 11/5. (Wilkner-FL) 1121 Noted w/ late s/on; reg heard in FL last 8 months; 11/18 & 30. (Wilkner-FL)
- 4824.98 **BRAZIL R. Canção** Nova Cachoeira Paulista 2234 PP (T); Relg svc that sounded Roman Catholic & continued past the ToH; sig faded somewhat by 2300 & CODAR pulses were louder; fair; 11/9. (Robins-MI)
- 4826.5 **PERU R. Sicuani** Sicuani 0900 Noted here w/ good sig; often the first Peruvian heard in the morning; 11/17. (Wilkner-FL)
- 4828 **ZIMBABWE ZBC** Gweeru 0350-0400 (T); Strong carrier w/ some audio, mx ?; 11/21. (Wilkner-FL)
- 4835 **AUSTRALIA VLBA** Alice Springs 1333 Still in a semihour after sunrise here; ments. Northern Territory; 1339 playing typical country mx; v. poor; 11/10. (Hauser-OK)
- 4835 **INDIA-SIKKIM AIR Gangtok** 0056 (P); Likely the source of the weak carrier until buried by s/on of WWCR 4840; J. Young listening at the same time in Oregon heard the Full Monte of test tone & IS; 11/24. (Robins-MI) 4837 1434-1558 (P); Noted here w/ terrible, irr. sig; in & out

off for a minute, on/off seconds at a time, similar (but much worse) to my logging of 11/18; at times almost constant variable lvls; sounding more like antenna disconnects; weaker than 11/18, so no audio heard; flutter also noted much worse than 11/18 & similar to other AIRs on 60m; [date?-ed.]. (Young-OR)

- 4840 **INDIA AIR Mumbai** 0042-0050 W w/ lcl chant; M anc in vern.; best heard in LSB w/ strong static crashes & fast QSB; poor; 11/10. (Serra-Italy) *2343 Weak test tone of approximately 1000 Hz; J. Young pegs it at 1060 Hz; ends at 2353 followed by faint mx; likely AIR IS; faint ancments by M at 2357; best audio from this one here so far; 11/23. (Robins-MI)[IS = "Song of India"-ed.]
- 4845.25 **BRAZIL R. Cultura Ondas Tropicais** Manaus 0010 PP (T); V. animated M anc but audio was right at the noise floor; v. weak modulation; 11/8. (Robins-MI)
- 4877.34v **BRAZIL R. Difusora Roraima** Boa Vista 0350-0359* PP ancments, pop mx & IDs; NA at 0355; freq slightly unstable & slightly distorted; on 4877.31 at 0350; 4877.28 at 0355; 4877.34 at 0357 & 4877.30 at 0359; 11/24. (Alexander-PA) 4878.6 [UTC?-ed.] PP; Mx prg hosted by M anc; ads & annmts; nice ID & closedown ancments at 0355 followed by choral NA; fair; [date?-ed.] (DiAngelo-PA)
- 4880 **INDIA AIR Lucknow** 0110 (P); Good carrier & traces of audio; 11/24. (Robins-MI)
- 4885 **BRAZIL R. Clube do Para** Belem 2339-2353 PP; M & W ancrs w/ banter; ballads; whistle & ID "Radio Clube!"; more banter; best heard in SSB; fast QSB w/ strong static & crackles at times; p-f; 11/3. (Serra-Italy) 0318 M anc w/ ID; awesome S9+10 lvl; truly "armchair co copy"; 11/8. (Robins-MI) 0133 M anc in PP; fair w/ CODAR; 11/17. (Ronda-OK) 0354-0436 PP; Lively discussion prg w/ several M ancrs; loud laughter noted background; some mx interludes & jingle ID at 0429; good; 12/1. (DiAngelo-PA)
- 4905 **TIBET Xizang PBS** Lhasa 2340 M & W ancrs w/ talk; J. Young in Oregon listening at the same time confirmed these were Tibet; v. weak; //4920; 11/7. (Robins-MI) 2330-2341 Brief W anc; mx break; M anc w/ many ments. Zhongguo; best heard in SSB w/ strong static crashes; fast QSB; poor; //4920; 11/09. (Serra-Italy)
- 4910 **AUSTRALIA VL8T** Tennant Creek 0805-0830* S/off in mid-sentence, seemed to be an interview; 11/17. (Wilkner-FL)
- 4910 **INDIA AIR Jaipur** 0057-0108 Lcl chants w/ instrumental mx; M ancments in vern.; & mx bits & talk; best heard in USB w/ strong static crashe & fast QSB; p-f; 11/10. (Serra-Italy)
- 4914.91 **BRAZIL R. Daqui** Goiania 0217 Jingle ID into slow Brazilian relg mx hosted by M; good; Rádio Difusora de Macapá normally heard on 4914.95 was not on; I rarely hear both of these stns at the same time; 11/22. (Robins-MI)
- 4914.95 **BRAZIL R. Difusora de Macapá** Macapá 0150 PP; Peppy M anc w/ adsd/promos into light mx; a lot more talk than mx; ID by same 0204; W anc ment. Macapa at 0208; f-g; 11/9. (Robins-MI) 0258-0316 M anc w/ ballads & talk; jingles & IDs w/ freq; best heard in SSB w/ strong static crashes & fast QSB; poor; 11/11. (Serra-Italy)
- 4925 **BRAZIL R. Educação Rural** Tefe 0029 PP; TC for 20 horas & something; poor; 11/10. (Hauser-OK)
- 4930 **BOTSWANA VOA Moepeng** Hill 0336-0403 Numerous African news stories re Somalia; instrumental mx prior to ID; nx by M anc; fair; 11/3. (DiAngelo-PA)
- 4935.23 **BRAZIL R. Capixaba** Vitória 0353 (P); F-g carrier but v. weak modulation; it is heard here every night w/out enough audio to definitely ID; 11/7 & 23. (Robins-MI)
- 4940 **CHINA V. of the Strait** Fuzhou 1339 CC: Soft talk w/ M & W ancrs; no co-ch. QRM from India audible here; 11/10. (Hauser-OK)
- 4949.7 **ANGOLA R. Nacional de Angola** Mulenvos 0226-0313 PP; W anc w/ brief talks hosting pop mx prg; ID at 0300 followed by nx; back to mx at 0305; poor; 11/3. (DiAngelo-PA) 0426-0434 Pop mx w/ short PP ancment by M; talk at 0430; v. weak w/ fading; the first occasion this year where audio has been heard on the carrier on that freq; 11/16. (Evans-TN)
- 4950 **KASHMIR AIR Srinagar** 0118 (P); Carrier noted here; consistent w/ rpted s/on time but too weak to recover audio; J. Young in Oregon heard it at the same time w/ good audio; barely audible carriers for me also on 4860- Shimla & 4910-Jaipur around the same time; 11/10 & 22. (Robins-MI)
- 4955 **PERU R. Cultura Amauta** Huanta 2357-0000 SS (T); Animated M anc w/ ad/promo; good lvl carrier but not-so-good audio lvl; 11/7. (Robins-MI)
- 4960 **SÃO TOME VOA** Pinheira 0443 EE; Rpt re Obamais visit to Myanmar; fair; 11/19. (Ronda-OK)
- 4984.17 **PERU R. Voz Cristiana** 2310-2320 (P); Wandering in freq to 4985.55 previously; noted last night same time & this morning from 1100; 11/28. (Wilkner-FL)

- 4985 **BRAZIL R. *Brasil Central*** Goiania 2330-2355 Noted here w/ strong sig; much weaker at 1000 most lcl mornings; 11/28. (Wilkner-FL)
- 4990 **SURINAME R. *Apintie*** Paramaribo 0314-0345 Prq of soft pop vcls some w/ EE lyrics hosted by M anc using some EE words but mainly Hindi lang; poor; 11/2. (DiAngelo-PA) 0236 Romantic songs; 0244 ID almost shouted by OM: "Radio Apintie!"; v. good carrier lvl but quite under-modulated; 11/14. (Robins-MI)
- 5005 **EQ. GUINEA R. *Nacional*** Bata 1920-1927 Non-stop Afropops; best heard in USB; moderate static; fast QSB; lite RTTY from 1924; fair; 11/8. (Serra-Italy)
- 5010rf **MADAGASCAR RTV *Malagasy*** Antananarivo 0200-0250 Carrier+USB; t/in to inspirational mx; choral mx & ancments; African hi-life mx; IS at 0228; choral NA at 0228:45; lcl guitar mx & opening ancments at 0230:45; Malagasy talk; lcl African mx at 0232; weak but readable in noisy condxs; recepx best between 0200-0230; became more noisy after 0230; checked yesterday for these guys but nothing heard; tnx to tip from R. Howard & others; 11/10. (Alexander-PA) 0236-0244 (P); Choral mx that had a distinct Polynesian tinge; 0244-0248 M anc in vern. then back to mx; fair at first but fading by 0245; USB+ carrier; this freq has subsequently been silent & may have shifted to 6135.2; 11/18. (Robins-MI)
- 5025 **CUBA R. *Rebelde*** Havana 0034 Off the air again & replaced by RTTY; almost as if they are co'rdinating?; back on at 0624 check & no RTTY, sounds like Gardel, & outro quotes "el abismo, nuestro porvenir" (the abyss, our future), & ments. Tito Gómez, RCA Victor records from the 1940s; 11/9. (Hauser-OK)
- 5040 **CUBA RHC** Havana 0624 So much for Arnie's new EE hour. RHC is in SS, while the overkill quad on 49m remain in EE; ending "la estampa de hoy" segment; next day at 0614, RHC is back in EE as newly sked during this hour, instead of SS 24 hours earlier; 11/9 & 10. (Hauser-OK)
- 5050 **USA WWRB** Manchester 0107 Back on & using both txmitters; sounds like Pastor Cain from SC; //3215; 11/23. (Hauser-OK) 5051 0230 Still 1-kHz-offset on the upper ch. at 0230; Nov 7 at 0257, WWRB is off this freq but still on 3195; maybe for the rest of the winter, but meanwhile it pays to check both; some Spanish SSB 2-way could be heard on 5052.5-USB; //3195; 11/5. (Hauser-OK)
- 5110vU **USA WBCQ** Monticello 0230 World of Radio 1642 monitoring; confirmed on Area 51; starting promptly at 0230; better sig here, now one hour later into the night side thanks to the end of DST; 11/10. (Hauser-OK)
- 5120 **PERU *Ondas del Suroriente Quillabamba 2300-2350 M anc w/ ments. "kilohertz...onda corta", various numbers & ments. de Peru; 11/27 & 30. (Wilkner-FL)***
- 5150 **SOUTH KOREA MND Radio** Jongan 1235-1236 V. poor b/cast sigs; the latter w/ ute QRM, but matching the latest MND Radio sked; clandestine to N. Korea; //6300; 11/17. (Hauser-OK)
- 5460 **PERU R. *Bolivar*** Cd. Bolivar 0010-0020 The one noted here; f-g; 12/1. (Wilkner-FL)
- 5580.16 **BOLIVIA R. *San José*** San José de Chiquitos 2340-0000 DJ w/ mx; f-p under high band noise; audible about three times a week; 11/4, 28 & 29. (Wilkner-FL) 5580.2 0023 JBA carrier, matching the freq rpted by B. Wilkner for R. San José, 10/21 & 25 during the previous hour; on 11/4 he had it on 5580.16; 11/10. (Hauser-OK)
- 5765U **GUAM AFN Barrigada** 1342 Talk but not // NPR Weekend Edition Saturday digitally-delayed on KOSU; 1342 outro segment as w/ Christina Aguilera & "Today on NBC", sounds like Lester Holt; still barely audible at 1420 & still not w/ NPR; 11/10. (Hauser-OK) 1013 Cmnty on " US Constitution; Port authority of NY & thanks to Mr. Costello; 11/20. (Wilkner-FL)
- 5860 **SRI LANKA R. *Farda*** Irana Wila 0045 Weak vcl mx; poor w/ flutter' HFCC shows it's IBB Persian; 11/9. (Hauser-OK)
- 5885 **VATICAN CITY *Vatican Radio*** Sta. Maria de Galeria 0259 Open carrier & 0300 "Afia Darfur" opening in AA; 11/7. (Hauser-OK) 0319 M anc in AA; correspondent rpts w/ several ments. iSudani; fair; 11/18. (Taylor-WI)



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- 5910+/- **COLOMBIA Alcaravan Radio** via Puerto Lleras 0520 with highlife mx, sigs to 70dB with loud audio, exc. 9/20/12 (Parker-PA) Also at 1040 regularly heard with a reliably big signal. Very nice with arpa-backed romantic ballads. Usual musical time check at 1045, following pattern of first OM ID "Alcaravan Radio!" then time check and then YL providing yet another ID. Continuing with romantic pleasant HJ guitar ballads. 9/18/12 (Perry-IL)
- 5925 **RWANDA Deutsche Welle** via Kigali, 0325-0330 in Swahili, woman talking, bits of tribal singing. 40-60dB signal, fair with QSB and multi-path effects. 9/21/12 (Parker-PA)
- 5930 **RUSSIA Radio Rossii** 1238, R. Rossii with music, 1241 brief Russian announcement mentions John Fox, and Elisabeth ---; 1250 another song in English, music plays until 1300 when it stops with no announcement or even time-signal, and carrier off before 1301. Sunday 10/7/12 (Hauser-OK)
- 5940.00 **BRAZIL Radio Voz Missionária** 0435-0445 Portuguese religious talk. Portuguese inspirational music. Not usually exactly on frequency. // 9665.02 - both frequencies weak but readable. 10/5/12 (Alexander-PA)
- 5954+/- **COSTA RICA Radio Republica** Guapiles 0057 women in Spanish dialogue. Fair signal. Horrible QRMing noise, sporadically covering station. 9/18/12 (Perry-IL) Also 0152 in Spanish. Music, 2 Men w/ announcement (couldn't make out if ID), 0200 YL w/ extended talk, apparent phone interview or call in. 9/17/12. (Taylor-WI)
- 5970 **BRAZIL R. Itatiaia** Belo Horizonte (t), 0531-0545 in Portuguese. Audible after R. Japan sign off, Male speaking with telephone callers, occasionally over a background of soft mx, f/by Rolling Stones' "Angie", sigs to 40dB and good. 9/20/12 (Parker-PA)
- 5970 **BOLIVIA Radio Panamericana** La Paz (presumed), 0333-0340, two Male ancrs taking telephone calls, sounded like Spanish but impossible to be certain, sigs 20-30dB, much noise and atmospheric, poor overall. 9/21/12 (Parker-PA)
- 5975 **ENGLAND Radio Japan** via Woofferton, 0524-0530* in English with "Focus" prgm, f/by a very nice Japanese acappella song, announcements and off. 60dB signal with hi-fi audio, exc. 9/20/12 (Parker-PA)
- 5980 **USA Radio Marti** via Greenville 1146 man and woman presenters w/ID good signal w/Cuban jamming also on frequency // 6030 via Greenville w/good signal also Cuban jamming heard. 9/7/12 (Handler-IL)
- 5995 **AUSTRALIA Radio Australia** via Brandon 1148-1152 English woman/presenter interviewing a male guest about trees. Fair signal // 6020 via Shepparton w/good signal, 6080 via Shepparton w/fair signal, and 9475 via Shepparton w/good signal, 9580 excl signal, and 11945 with excl signal (Handler-IL)
- 5995 **MALI RTVM** *0556-0605 sign on w/guitar IS. Nat. Anth at 0558. Flute IS at 0559 and opening French ID announcements. Vern. talk at 0601. Local music. Indig. vocals. Fair signal 10/4/12 (Alexander-PA)
- 6009.4 **BRAZIL Radio Inconfidencia** Belo Horizonte, noted several days this week late afternoon, weak but clear. 10/4/12 at 2310 with promo for soccer game with musical theme, OM in Portuguese screaming "gooooooool!", punctuated by electronic stinger sound effects, etc. D determined via checking against known parallel fqys and indeed, was // to 15191.44, weak but very clear. Also hrd 10/6/12 at 2325. Had initially immediately reacted, when spotting a signal on this freq just below 6010, that perhaps Radio Mil, Mexico DF, had finally reactivated after months of absence. Nope! (Perry-IL)
- 6010.1 **COLOMBIA HJDH La Voz de tu Conciencia** Puerto Lleras (presumed) 0401 a weak signal offset here. 9/24/12 (Hauser-OK) Also heard 0404-0423 Male announcer with Spanish talk ment. Colombia followed by soft vocals with guitar. TC at 0410 and ID followed by more music. Several IDs at 0416 followed by another Man with a long talk. Fair to good. 9/23/12 (D'Angelo-PA)
- 6035 **ASCENSION BBC** WS in listed Hausa 0529 on 10/5/12 (Hauser-OK)
- 6055 **SPAIN REE** 0100 Spanish, IS ID Nat'l news. Good. 9/2/12 (McGuire-MD)
- 6089.86 **NIGERIA Radio Nigeria** 2140-2206 African tribal music. Indigenous vocals. Talk in listed Hausa. Fair. Covered by Anguilla at their 2206 sign on. 10/1/12 (Alexander-PA)
- 6134.81 **BOLIVIA Radio Santa Cruz** 0215-0250+, Spanish announcements. Spanish ballads. Some local music. IDs. Fair. 9/14/12 (Alexander-PA)
- 6145 **USA WYFR Family Radio International** 2300 English religious programming. SIO-555 9/12/12 (Fraser-ME)
- 6154.95 **BOLIVIA Radio Fides** La Paz 1013 fair signal impaired by static and t-storm crashing. 1013 tune-in to note Bolivian huaino-flavored ballad in progress. YL GMT-4 t/ck at 1014 and then into long ad string. 1016 orchl fanfare and YL " ...desde La Paz . . . el dia de hoy" 1018 CP theme on guitar with occasional OM Spanish talkover, promo. 1019 YL eco ads and then live studio ancr. Fading by 1027. 9/28/12 (Perry-IL)

- 6155 **AUSTRIA Radio Oesterreich International** 0510 German. Man and Woman with extended talk to 0517, church organ music, three articles, brief choral music, 0530 man with extended talk before going back to with two more articles to the top of the hour with brief choral music, off at scheduled 0615. Fair. (Taylor-WI)
- 6160 **CANADA CKZN**Newfoundland 2338 in English. "Laugh Out Loud" comedy program. ID - "ThisisCBCOne. 89.5 CFGB, Goose Bay, Newfoundland." SIO-353 with some thunderstorm static. 9/15/12 (Fraser-ME)
- 6165+/- **CHAD RNT** 0446-0505 tune-in to African pop music. French announcements. Local African tribal music. S/on was around 0445. Weak. Poor under Japan . In the clear from Japan after their 0459 sign off but still a overall poor signal due to unidentified noise on the frequency. 10/3/12 (Alexander-PA)
- 6165 **ZAMBIA ZNBC**-Radio 2 0242-0256 tune-in to Fish Eagle IS at 0242. National Anthem at 0251. Local African musicat 0253. Reception too poor to pull out any further program details. Covered by Voice of Turkey at their 0256 sign on. Zambia poor, weak in noisy conditions. 10/11/12 (Alexander-PA)
- 6165 **LITHUANIA Radio Japan** via Sitkunai *0429-0438 opening theme music and ID by man ancr in Russian. Another man with the news. Poor to fair. 10/5/12 (D'Angelo-PA)
- 6170 **NEW ZEALAND RNZFI** 1051-1058* blues song followed by man talking and then another blues song (last song of the show). At 1057 announcement by male that frequency closing and instructed listeners to tune to 9655 kHz. Excellent signal. 10/3/12 (Handler-IL)
- 6180 **BRAZIL Radio Nacional da Amazonia** 0800 noted with ID and pop music in Portuguese //11780. Good. 9/5/12 (Bueneman-MO)
- 6185 **MEXICO XEPPM** 0310-0345 some sort of radio play with several people in Spanish language. Non-stop vocals from 0317. Male ancr with formal ID and frequency announcement at 0334 followed by a man and woman presenters with the news. Fair signal although modulation was down. 9/15/12 (D'Angelo-PA) Also 0315-0507* rancho style music. Romantic ballads. Spanish pop music. Spanish announcements. Reception varied between poor to good depending on degree of adjacent channel splatter. Nice signal at times. Sign off at 0507 with transmitter being turned off at 0511. 10/11/12 (Alexander-PA) Also heard 0520 and still at 0542, good open carrier totally ITC with no 6180 Brazil, failed to turn off the transmitter at 0500v. 10/1/12 (Hauser-OK)
- 6973 **ISRAEL Galei Zahal** 2245-2300 local pop music. Hebrew announcements. Sound effects. // 15850 - both frequencies good. 9/30/12 (Alexander-PA)
- 7120 **SOMALIAND Radio Hargeisa** *0329-0408 open carrier before opening with continuous indigenous music program. A man with announcements at 0355 and again at 0405 in presumed Somali language. Very good at tune in but deteriorating around 0400 as noise level rose and signal degraded. 9/20/12 (D'Angelo-PA) Also heard *0333:30-0404 Strong carrier on at 0331. Sign on with local chanting. Talk at 0340, past 0405. Good. 10/4/12 (Alexander-PA) Also heard 0343 brief announcement and HoA music, fair signal at S9+10 without much storm noise for a change. 0354, another brief announcement marred by CW QRhAM, with lots of dits, then a CQ. 0403 music still audible, weakening, and 0413 talk weakening further 10/3/12 (Hauser-OK) Also (presumed) 0334-0415 Horn of Africa vocal music. Short announcements in Somali by man at 0340, 0352, 0358, and 0410. Good signal strength with fading at 0334, followed by a gradual decrease starting at 0352. Gone by 0415. 9/25/12 (Evans-TN)
- 7180 **ERITREA Voice of the Broad Masses of Eritrea** *0257-0322 sign on with IS. Vernacular talk at 0300. Horn of Africa music. Fair. No //s heard. 9/15/12 (Alexander-PA)
- 7190 **ERITREA Voice of the Broad Masses of Eritrea** *0256-0320 sign on with IS. Vernacular talk at 0300. Horn of Africa music. // 9715.03 - both frequencies fair to good. 10/8/12 (Alexander-PA)
- 7200 **SUDAN SRTC** *0230:30-0401*, Oct 8. sign on with Qur'an. Arabic at at 0231. Back to Qur'an at 0232. Arabic talk at 0237. Indigenous vocals. Local Sudanese music. Fair. 10/8/12 (Alexander-PA)
- 7245 **MAURITANIA IGIM** 0553 at S9+20 with chanting, but quite undermod. 9/25/12 (Hauser-OK)
- 7295 **FRANCE Radio Algerienne** *0400-0425 sign on with short Algerian National Anthem followed by Arabic talk. Arabic vocals at 0406. Qur'an at 0420. Good. 10/4/12 (Alexander-PA)
- 7400 **AUSTRIA Trans World Radio** 0700 noted with ID, Christian music and teaching in English. Fair to poor. 9/24/12 (Bueneman-MO)
- 7475 **GREECE VOG** 0201 music, instead of previous 0200* 10/7/12 (Hauser-OK)
- 9330 **USA WBCQ** 2100 English. News items separated by medical ads. Changed into religious programming at 2130. SIO-343 w/nasty het 9/14 /12 (Fraser-ME)
- 9420 **GREECE VOG** 0523 Greek talk and good signal with flutter, still at 0540. 10/5/12 (Hauser-OK)
- 9470 **RWANDA Deutsche Welle** 0400 w/ID African service English. Good. 9/16/12 (McGuire-MD) Also 0426 noted with "DW World Link" in English //7240. 12045. Excellent. 9/23/12 (Bueneman-MO)
- 9475 **AUSTRALIA Radio Australia** via Shepparton 1221-1224 English man and woman presenters with news pieces including talking about WHO and tropical diseases Fair signal but heavy adj. chan interference from WTWW 9479/9480. // 6020 via Shepparton w/Fair signal, 6080 via Shepparton w/JBA signal, 9580 via Shepparton w/excl signal, 11945 via Shepparton /excl. signal 9/26/12 (Handler-IL)

- 9515 **TURKEY Voice of Turkey** 0300 English w/IS ID frequency schedule national news. Fair. 9/23/12 (McGuire-MD)
- 9520 **PHILIPPINES Radio Veritas Asia** 1328 ID in English with jazzy music, "stay tuned for broadcast in Sinhala on 9520 in the 31 meter band", 1330 opening with song. 9/24/12 (Hauser-OK)
- 9579.12 **MOROCCO Médi Un** 0527 off-frequency hetting 9580.0 Africa No. Un-Gabon with only music mod. from the latter audible. This time het continued past 0530 [+] 10/6/12 (Hauser-OK)
- 9610 **BONAIRE Vatican Radio** 0103 Spanish started with VG signal, yet bothered by the GUF spur on 9606 on 10/7/12 (Hauser-OK)
- 9630 **COSTA RICA REF** 0529 with electronic music theme closing "Amigos de la Onda Corta". 10/6/12 (Hauser-OK)
- 9635 **MALI RTVM** *0802-0830 abrupt sign on with vernacular talk. Weak. Poor in noisy conditions. 10/3/12 (Alexander-PA)
- 9655 **ROMANIA RRI** via Galbeni 2300 w/ID, Spanish, National news. Good. 8/28/12 (McGuire-MD)
- 9665 **KOREA DPR Korean Central Broadcasting Station** 1135-1140 in Korean.music/songs. Fair signal. // 11680 w/good signal 9/12/12 (Handler-IL)
- 9689.92 **NIGERIA Voice of Nigeria** *0759-0815, Oct 3. sign on with IS of local African instruments. ID. Talk in listed Hausa at 0800. Noted slightly off frequency. Fair to good. 10/3/12 (Alexander-PA)
- 9705.03 **ERITREA Voice of the Broad Masses of Eritrea** - program 2 *0257-0325 sign on with IS. Vernacular talk at 0300. HoA music. Fair at sign on but covered by Ethiopia at their 0330 sign on. Weak // 7209.98. 10/2/12 (Alexander-PA)
- 9715.03 **ERITREA Voice of the Broad Masses of Eritrea** *0255-0310s/on with IS. Vernacular talk at 0300. Horn of Africa music. Fair. // 7185 - poor with HAM QRM. 10/7/12 (Alexander-PA)
- 9720 **GUAM KSDA AWR** (presumed), 1240 woman ancr in Mandarin. Fair signal. 9/11/12 (Handler-IL)
- 9730 **THAILAND BBC** WS 2240 English. "The World Today." SIO=352 9/12/12 (Fraser-ME)
- 9740 **SINGAPORE BBC** WS 1142 woman presenter interviewing a woman. Fair signal. 9/12/12 (Handler-IL)
- 9745 **BAHRAIN Radio Bahrain** 2357-0020 usb audible after Romania 9745 signs off at 2357. Traditional local music. Local pop and some Western style pop music. Weak but readable. 10/1/12-10/2/12 (Alexander-PA)
- 9760 **CYPRUS CBC** *2215-2244* sign on with their usual theme music. Greek talk. Good. // 7220 - good. // 5925 - fair. Fri, Sat, Sun only. 9/14/12 (Alexander-PA)
- 9770 **TURKEY TRT** 0100 noted with ID and news in Spanish. Good to fair. 9/25/12 (Bueman-MO)
- 9795 **THAILAND Radio Thailand** 1313. jazzy piano music. 1314 English outro to R. Thailand Japanese service, bells IS, pause, bells IS and English opening of Mandarin service. 9/29/12 (Hauser-OK)
- 9805 **USA Radio Marti** via Greenville 1206, Spanish male presenters and song barely understandable being overwhelmed by Cuban jamming also on frequency on 9/29/12 (Handler-IL)
- 9840 **VIETNAM Voice of Vietnam** 1247 English with man and woman presenters. Good signal 9/11/12 (Handler-IL)
- 9870 **TURKEY Voice of Turkey** 0100 Spanish prgm w/IS, pips, ID, national news. Fair 8/25/12 (McGuire-MD)
- 9910 **GUAM KTWR Trans World Radio** 1211 heard woman/ancr in Mandarin with Fair signal. 9/16/12 (Handler-IL)
- 9915 **ASCENSION BBC** WS 2220 w/ID & English service. Good. 9/28/12 (McGuire-MD)
- 9920 **PHILIPPINES FEBC** 1150-1155 in listed Tai Dam. woman speaker. Fair signal 9/28/12 (Handler-IL)
- 9925 **GERMANY Croatian RTV** via Wertachtal 2300 Croatian w/ID, news. Good. 8/20/12 (McGuire-MD)
- 9930 **OPPOSITION Que Me Radio** (presumed) via Palau Targeting Vietnam 1206 in Vietnamese. female speaker and musical bridges. Fair signal. Friday 9/28/12 (Handler-IL)
- 9930 **PALAU TSWH** English language program with a female announcer talking about temptation by the devil. Fair signal with fading. 9/30/12 (Handler-IL)
- 9955 **PALAU Family Radio International** 1159 with sign off theme music. Poor signal 9/29/12 (Handler-IL)
- 9960 **OPPOSITION Khmer People Power Movement** Radio (presumed), 1241. Male presenter heard but signal weak enough that I could not make out whether it was a Man or Woman announcer or whether the language was the listed Cambodian. Poor signal on Monday 9/17/12 (Handler-IL)
- 9960 **OPPOSITION Khmer Post Radio** (presumed) 1214 Male announcer in Cambodian. Wednesday Fair signal. 9/26/12 (Handler-IL)
- 9965 **PALAU Radio Australia** (presumed) 1337 Male presenter in Mandarin. Poor signal w/flutter. 9/26/12 (Handler-IL)
- 9975 **GUAM KTWR** (presumed) 1239 low pitch woman or high pitch Male announcer in Mandarin. Fair. 9/17/12 (Handler-IL)
- 11535 **TAIWAN Family Radio International** 1209 Mandarin. Male presenter. Fair-poor signal 9/29/12 (Handler-IL)

- 11595 **ARMENIA Democratic Voice of Burma** *2330-0030* sign on with local Burmese music and talk. Many mentions of Myanmar. Fair to good. 10-4-12 crossing over to 10-5-12 (Alexander-PA) Also *2333-0030* test tones between 2327-2329. Abrupt sign on at 2333 with Burmese talk. Many mentions of Myanmar. Occasional short breaks of local instrumental music, local flute music, and local string music. Good. 9/15/12 thru 9/16/12 (Alexander-PA)
- 11690 **OPPOSITION Radio Okapi** via Meyerton, South Africa 0415-0433, talk in French by several men with periodic jingle IDs. Nice ID by a woman ancr at 0421 ment. Congo. Fair-good. 10/5/12 (D'Angelo-PA)
- 11710 **KOREA DPR VOK** 1314 English mixing with own jamming noise supposed to be restricted to hostile frequencies. What they get for not isolating the jamming site from the SWBC site (presumed) 10/2/12 (Hauser-OK)
- 11735 **ZANZIBAR ZBC** 2030-2108* local Mid-East style music. Local pop music. Swahili talk. "Spice FM" jingles at 2100 along with other English and Swahili ID announcements. Many station promos. "The best radio station in the land, Spice FM." "Number one station, Spice FM." "Spice FM Radio." Abrupt sign off. Fair to good. Once again, running past their usual 2100 sign off. 10/8/12 (Alexander-PA) Also heard 2040-2056* traditional local Mid-East style music. Local pop music. Swahili announcements. Abrupt sign off. Good. 10/2/12 (Alexander-PA) Also heard 2050-2056* local Mid-East style music. Abrupt sign off mid-song. Fair. 9/14/12 (Alexander-PA) Heard also 2056 tune-in to song, cut off at 2056:39*. Poor signal. 10/6/12 (Hauser-OK)
- 11780 **BRAZIL Radio Nacional da Amazonia** 0240-0308 several slow moving songs accompanied by a piano - between these songs a gentleman announcer - a rather deep voice and somewhat "annimated" in nature. Lots of noise and static - however, I was able to hear "nacional". Music continued at top of hour - within the next 10 minutes, signal was almost completely obliterated by static and noise. 10/14/12 (Molander-CA)
- 11800 **RWANDA Deutsche Welle** Kigali 2123 English. Item - South Africa a "ticking timebomb" due to unequal qualities. SIO-444 RTTY QRM 9/12/12 (Fraser-ME)
- 11830 **RWANDA Deutsche Welle** 2105 English w/ID and news. Fair. 9/28/12 (McGuire-MD)
- 11850 **MADAGASCAR Radio Japan** 2058, novelty song with orchestra, French ID from R. Japan, signing off with schedule 4+1 timesignal, 2100 open carrier for a while. 10/6/12 (Hauser-OK)
- 11865 **RWANDA Deutsche Welle** 2100-2105 English w/Afr Service ID, rpt on Olympics. Fair. 8/10/12 (McGuire-MD)
- 11870 **GERMANY Radio Biafra London** *2000-2100* sign on with African music and opening English ID announcements. Vern. talk at 2001. Occasional English. Thur, Sat only. Good. 10/4/12 (Alexander-PA) Also 2000-2100 instrumental music opening followed by ID and frequency announcement by a man announcer commencing broadcast in Igbo language. Some English noted around 2032. Closed with shirt instrumental music segment. Poor. 10/13/12 (D'Angelo-PA)
- 11905 **VATICAN CITY VOA** via Santa Maria di Galeria, 0507 in Kurdish with talks, 50db signal, exc. 9/7/12 (Parker-PA)
- 11925 **BRAZIL Radio Bandeirantes** Sao Paulo, 0442 in Portuguese, mx prgm featuring a very Peruvian sounding campo f/by slow sx. 20-40db signal (QSB), good overall. 9/7/12 (Parker-PA)
- 11945 **SEYCHELLES BBC WS** 0438 in English, sigs to 15dB, QSB and static, poor. 9/7/12 (Parker-PA)
- 11945 **AUSTRALIA Radio Australia** 0534 fair signal is on early w/AFL Grand Final, as expected before normal *0600. Nigel Holmes had warned us: "Radio Australia will broadcast coverage of the AFL Grand Final from 0430 to 0745 UT. (Hauser-OK)
- 11965 **ROMANIA RRI** via Tiganesti 0100 French w/IS, ID, news. Good. 9/19/12. (McGuire-MD)
- 11980 **TURKEY Voice of Turkey** via Emirler, 0433 with TT mx, big 80dB signal, exc. 9/7/12 (Parker-PA)
- 12025 **BOTSWANA VOA** 0451 noted with news in English. Fair. 9/24/12 (Bueneman-MO)
- 12365 **CHILE (?) Radio Cooperativa** Santiago usb coming in well here at 2245 on 10/12/12 with quick CODAR pulse interference. Next check after 0100 on 10/13/12, it was no longer heard. Certainly a frequency worth further checking. (Hauser, OK)
- 13590 **ZAMBIA CVC-1 Africa** 0610 noted with Contemporary Christian music, promos and interview in English. Fair to poor. 9/23/12 (Bueneman-MO)
- 13800 **ROMANIA RRI** via Tiganesti 2030 English w/IS, ID, News. Good. 9/28/12 (McGuire-MD)
- 14950+ **COLOMBIA Salem Stereo** 0546 screaming preacher in Spanish, poor signal but obviously not affected, or even enhanced by K index of 7 on 10/1/12 (Hauser-OK)
- 15105 **BANGLADESH Bangladesh Betar** 1259 tune in very poor signal just in time to hear sign-off in English, brief tone test, and off at 1300. At 1316, 15105 is back on with (presumed) Nepali, S Asian music, slightly better at poor level now. At 1328 music with heavy flutter; 1344 announcement, tone test, open carrier until 1346.6* 9/25/12. Also 10/5/12 at 1253 with South Asian song, poor with flutter, retune just in time to hear hum carrier go off at 1259:17*. (Hauser-OK)
- 15120 **NIGERIA Voice of Nigeria** *0445-0505 tune-in to strong open carrier at 0430 along with occ. test tone. Sign on at 0445 with IS of local Afr. instruments and occ. IDs. Nat. Anthem at 0455. Opening English ID announcements at 0456 and preview of upcoming prgms. News at 0501. Good signal 10/3/12 (Alexander-PA) Also 0502 w/news, hum. Fair but faded way down by 0530 9/25/12 (Hauser)

- 15140 **OMAN Radio Sultanate of Oman** 1402-1440 tune-in to Western pop music. ID at 1430 followed by chimes and their usual theme music. English news at 1431 with short music breaks. Poor. Weak in noisy conditions. 10/2/12 (Alexander-PA)
- 15160 **AUSTRALIA Radio Australia** 0411 with sports nx, women's wheelchair basketball. 60dB signal, exc. 9/7/12 (Parker-PA)
- 15190 **EQUATORIAL GUINEA Radio Africa** 0549 English relig. talk apoor signal. Also 1933, fair signal from screaming preacher, R. Africa 10/6/12 (Hauser-OK) Also 2000-2025* English religious programming. Abrupt sign off. Fair to good. 10/4/12 (Alexander-PA) Also 0715-0735 English religious programming with talk about fasting. Fair. 9/15/12 (Alexander-PA) Also 1927-1944, Oct 13.man announcer speaking in English with religious talk/prayers, etc.Poor with very deep fades. 10/13/12 (D'Angelo-PA)
- 15220 **ROMANIA RRI** via Tiganesti 2030 English w/IS, ID news. Good. 9/4/12 (McGuire-MD)
- 15215 **GUAM KSDA** 1310, poor signal in Bengali low talk in S Asian language, 1311 music and ID 9/30/12 (Hauser-OK)
- 15275 **THAILAND Radio Thailand** 0002-0021 man and woman announcers with news in English; frequent IDs ("You are listening to Radio Thailand news") ads and promos. Fair. 10/5/12 (D'Angelo-PA)
- 15310 **OMAN BBC WS** 1326 with news -flooding from rain in Spain, poor signal 9/29/12 (Hauser-OK)
- 15400 **OPPOSITION Radio Dabanga** via Madagascar 0548 with fair signal; it's no longer so reliable as in summer here/winter there, and // 11650 via VATICAN is better 10/6/12 (Hauser-OK)
- 15450 **TURKEY Voice of Turkey** 1247 English w/male presenter poor-fair signal and fading. 9/29/12 (Handler-IL)
- 15505 **BANGLADESH Bangladesh Betar** *1358-1432*.IS at 1358.Time pips at 1359:18 followed by announcements in Urdu by woman.Low audio talk by man at 1401.Talk by woman at 1408.Local vocal music at 1411 with short announcement by woman at 1415.Closing announcements by woman at 1429, then carrier with hum until 1432 tune out.Initially poor signal strength with a small amount of fading, improving to moderate strength by 1420. 9/11/12 (Evans-TN) Also 1358 w/IS several times, flutter, big hum and buzz/rumble atop, time signal one second late after 1400:00. 1419 good with music; pause between cuts at 1421 allows the hum to come up for a moment, finished at 1430 but noisy carrier stayed until 1430:30* 9/26/12 Also 1358 BB is on with IS, poor signal, 1400 times signal is only 2 sec. late, opening Urdu; music audible at 1424 on 10/2/12. Also 1358, BB IS is playing, good signal, one of the best so far from them, as the transpolar path is working well. 1400 time signal only 3 sec. late, opening Urdu, news; 1416 check, now with vocal music on 10/3/12 (Hauser-OK) Also heard 1402-1429*tune-in to subcont music. Listed Urdu programming. Test tone at 1428 and off at 1429. Fair. Then *1513:35-1545* tune-in to test tone at 1509. Sign on at 1513:35 with IS. Into listed Hindi programming with talk at 1515:30 and subcont music. Fair. 10/5/12 (Alexander-PA)
- 15540 **KUWAIT Radio Kuwait** 2055 good with western pop music; but //17550 very poor in Arabic music, the MUF somewhere in between on 9/29/12 (Hauser-OK)
- 15725 **OPPOSITION Voice of South Sudan Revolutionary Radio** 0531 emphatic speech in non-English, poor signal from. 9/29/12 (Hauser-OK)
- 17605 **AUSTRIA AWR** 1430 English ID introducing Afar, VG signal, then nice HOA music. 10/4/12 (Hauser-OK)
- 17615 **SAUDI ARABIA BSKSA** (presumed) 1540-1545, announcement. Chanting. JBA. 10/14/12 (Handler-IL)
- 17625 **SAUDI ARABIA BSKSA** at 1333, big hum buzz upon poor signal in Arabic talk 10/13/12 (Hauser-OK)
- 17680 **GUAM KSDA** 1304, very poor signal in Cambodian. off by 1330. 9/26/12 (Hauser-OK)
- 17745 **OPPOSITION Sudan Radio Service** via Woofferton UK on a few seconds before 1500, sign-on announcement by echoey YL seems already in progress. Nothing in English except for the occasional word or term "Sudan Radio Service", "shortwave", "EDC, USAID". Usual mix of Arabic talk and music segments. 1534 children's choir; 1601 theme and address, credits, but not fully in English. Reception is declining from initial fair signal. I believe they finally went into English at 1630 when it was poor noted final QRT at 1659:30*. 9/25/12 (Hauser-OK)
- 17800 **THAILAND RFE/RL** 1238 Russian. male announcers presumably with the news. Fair-good signal. 9/30/12 (Handler-IL)
- 19000 **AUSTRALIA Radio Australia** 0159 noted with highlights of upcoming features, ID and news in English. Fair. 9/14/12 (Bueneman-MO)
- 21540 **KUWAIT Radio Kuwait** 1434 has built up to very good signal with Qur'an 10/4/12 (Hauser-OK)
- 21590 **CYPRUS/CHINA BBC WS** 1310 w/CNR1 jammer in Mandarin talk, atop also audible BBC Uzbek 9/25/12 (Hauser-OK)
- 21780 **RWANDA Deutsche Welle** 1258, the original "Goldfinger" theme is sung in English, 1300 DW opening Hausa with ID. Before 1300 it was the tail of the French service, Shirley Bassey's (almost) original version. 10/5/12 (Hauser-OK)

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Winter SWL Fest
Sponsored by **

March 1-2, 2013

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640 W. Germantown Pike. Plymouth Meeting, PA

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

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Your registration must be received by February 15, 2013 for the best prices; registrations received 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 received by February 15, 2013.

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**REGISTRATION RECEIVED BY
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- Full (\$85)
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- One-Day no meals (\$25)
- One-Day w/ Lunch (Sat) (\$45)
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- Full Spouse / etc. (\$70)
- Banquet only (Spouse) (\$35)
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**LATE OR ON-SITE REG. RECEIVED
AFTER FEBRUARY 15, 2013:**

- Full (\$90)
- Two-Day no meals (\$40)
- One-Day no meals (\$30)
- One-Day w/Lunch (\$50)
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- raffle tickets, please
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Registration is not transferrable; cancellations after February 15, 2013 cannot be refunded, however we will refund raffle ticket money if you have to cancel.

< www.ontheshortwaves.com > Update, November 25, 2012 -- Under "CPRV," "CPRV QSL Gallery," "Shortwave Broadcast," we have posted a third group of Scandinavian Club QSLs. These are QSLs that were issued by various Scandinavian clubs for special broadcasts that they arranged in the 1950s and 1960s. This group of QSLs includes: DX-Klubben Eterpiraterna, Sweden (for ORU, 1955); Tyringe DX-Club, Sweden (R. Prague, 1963); Hofors DX-Club, Sweden (Polskie Radio, 1956); KDXC, Norway (ORU, 1955); Vasteras Radioklubb, Sweden (ORU, 1953); "The DX-boys," Sweden (R. Prague); Goteborgs DX-klubb, Sweden (R. Africa Tangier, 1957); DX-Klubben Ornen, Sweden (various stations, 1958); and DX-Listeners Club, Norway (R. Moscow, 1956). -- And under "Specialized Resources," "Wavescan," there are three new entries from Adrian Peterson: "Australian Radio Ships in the Pacific" and "Ancient DX Report 1901" (November 11, 2012), and "The 3rd Radio Free Asia or The Voice of Free Asia: Was there also a 5th Radio Free Asia?" (November 18, 2012).

< www.ontheshortwaves.com > Update, December 9, 2012 -- Under "CPRV," "The CPRV Gallery," we have posted ten "new" SWBC QSLs. They are: (1) Radio Andorra, 1948 (collection of Art Hankins); (2) Aero Clube da Beira, Mozambique, 1959 (Paul Kary); (3) VLH, Australian Broadcasting Commission, Melbourne, 1947 (Carroll Weyrich); (4) VE9HX, the shortwave sister of CHNS, Halifax, Nova Scotia, 1934 (Howard Kemp); (5) Radio Free Russia, an anti-communist clandestine (transmitting from Germany), 1971 (Frank Peters); (6) Radio Brazzaville, French Equatorial Africa, date unclear but 1940s (Weyrich); (7) TG2, Radio Morse, Guatemala City, 1940 (Peter Clarius); (8) YNRG, Radio Zelaya, Bluefields, Nicaragua, 1966 (Peters); (9) Syrian Broadcasting Service, undated (Kary); and (10) DUX Radio, Tangier, 1952 (Kary). -- And under "Specialized Resources," "Wavescan," two new entries: "The World's Oldest Radio Tower: The Story of Eiffel Tower Radio" (November 25, 2012), and "Afghanistan Returns to the Air on Shortwave-6: Offsite Relays" (December 2, 2012).

< www.ontheshortwaves.com > Update, December 16, 2012 -- Under "CPRV," "The CPRV Gallery," we have posted several new QSLs, this time from Asia. (1) The NIROM QSL, dating from 1936, is a folder QSL used by the Nederlands-Indische Radio Omroep Maatschappij (NIROM), the first organized network in what was then called the Dutch East Indies, today's Indonesia. There is some interesting history, and photos, here, and all in English. As you can see, broadcasting in Indonesia was complicated even back then. (2) From the Philippines we have posted a QSL from KZRF, one of the early Philippine broadcasters. It was founded as KZEG in 1932, but the call letters were changed in the late 1930s to reflect the station name Radio Filipinas. (3) There is also a card from BEC24, 9510 kc., Voice of the Armed Forces, Kaohsiung, Taiwan. The station's schedule is printed on the back. This card dates from 1957. (4) And finally, you can see a form letter from JDY, the radiotelephone station of the Manchurian Telephone & Telegraph Co. It was located in Dairen, the main port of the Kwantung Leased Territory, which was part of the Japanese puppet state of Manchukuo. At first JDY relayed the programming of mediumwave station JQAK, but soon it was producing its own programs. These four QSLs belonged to Carroll Weyrich, Art Hankins, Paul Kary and Dick Daneker, respectively. -- Also this time, under Specialized Resources, "Wavescan," we have posted two new entries from Adrian Peterson: "100 Years of Wireless and Radio in Bulgaria-1: The Wireless Era" (December 9, 2012), and "The Story of an Old Newfoundland Postcard: Did Marconi Really Hear the Letter 'S' Across the Atlantic?" (December 9, 2012).

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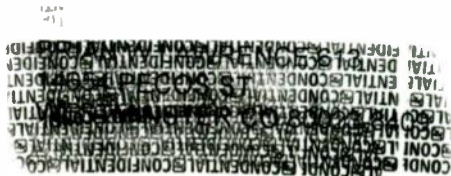
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