

# The **NASWA** Journal

VOLUME XLVIII NUMBER 7

JULY 2009

PLEASE PRINT OR TYPE CLEARLY IN BLOCK LETTERS. DO NOT WRITE IN THESE SPACES.

THE BRITISH GUIANA UNITED BROADCASTING COMPANY LIMITED	BRITISH GUIANA
GEORGETOWN	660 Kc/s (10 Kilowatts)
5981 Kc/s (2000 Watts)	XXXXXXXXXXXX
6058 Kc/s (2000 Watts)	XXXXXXXXXXXX
3255 Kc/s (2000 Watts)	XXXXXXXXXXXX

PRESENT SCHEDULES:  
Sundays: 0945 - 0245 GMT  
Mondays -  
Fridays: 0915 - 0245 GMT  
Saturdays: 0915 - 0345 GMT

**Z F Y**  
**RADIO DEMERARA**

WE THANK YOU FOR YOUR REPORT DATED 13th Dec., 1957 on 5981 Kc/s WHICH WE ARE PLEASED TO CONFIRM

*0.1 Watt*  
*12/13/57*

XXXXXXXXXXXX  
XXXXXXXXXXXX  
XXXXXXXXXXXX  
XXXXXXXXXXXX  
XXXXXXXXXXXX

# Quality Equipment From Universal Radio

## GRUNDIG

SATELLIT 750

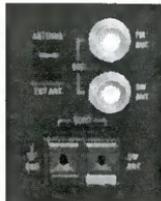


The Grundig Satellit 750 is an exciting new portable that brings the world to you! You will get complete coverage of all long wave, medium wave and shortwave frequencies as well as FM (stereo to the earphone jack). Plus the Satellit 750 also receives the VHF aeronautical band (118-137 MHz). Your shortwave coverage includes the reception of the single sideband (SSB) mode allowing the reception of ham radio operators, maritime and shortwave aeronautical stations. You can select either wide or narrow selectivity to reduce co-channel interference. You can tune your favorite stations by the conventional tuning knob, quick keypad entry or via the 1000 memories. Two speed tuning (1 and 5 kHz) increments are available. And you will enjoy the fidelity you have come to expect from Grundig enhanced by separate bass and treble controls. The radio features both an Earphone Jack and a Line Output Jack. The built in 24 hour clock has a dual alarm and sleep feature. This radio can simultaneously display the frequency and the time on the large backlit LCD. It will also indicate external/internal antenna selection, battery status, selectivity setting, memory, selected bandwidth and attenuator status. Long distance AM band reception is possible with the built-in 360° rotatable, directional ferrite antenna. External antennas may also be attached. 14.65 x 7.24 x 5.75 inches 5.25 lbs. Includes AC adapter or may operate from four D cells (not supplied). One year limited manufacturer's warranty.

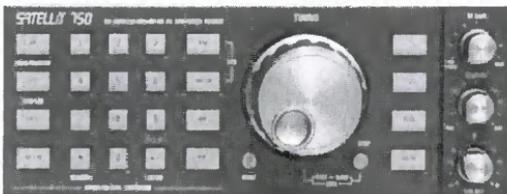
List \$400.00

Order #0750

\$299.95



Switchable BNC jacks are provided for FM and shortwave antennas. High impedance (500 ohm) terminals are provided for simple shortwave wire antennas. There is also a mini jack available for the AM and longwave bands.



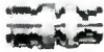
Separate bass and treble controls allow you to tailor to your listening tastes.

You can tune the world on your Satellit 750 via a conventional tuning knob, keypad entry, Up-Down buttons or memory selection.

## GRUNDIG M300PE

The Grundig M300PE Mini World covers: AM and FM plus seven shortwave bands (49, 41, 31, 25, 22, 19, and 16 meters) and fits in your pocket. The digital display shows frequency, 12 hour time and activation of the alarm and sleep timer. It operates on two supplied AA cells. A telescopic antenna is featured for AM and SW reception and the AM band uses an internal ferrite loop antenna. The Mini 300 comes with earphones, carry strap and pouch. 3.8 x 7 x 1.2 inches 4 oz. (65x170x23 mm). All Grundig shortwave radios feature a one year limited warranty.

► Purchase your Satellit 750 from Universal Radio for a limited time and receive a **FREE Grundig M-300PE** with your order!



Visit our website for great used equipment values too.

The CLEAR MED is a handy clear plastic stand supports your Grundig G4 or G6 at the optimum viewing angle. Size: 6.75 x 4.5 x 4.75 inches (5.2 inches on the slant).

This optional jack adapter changes the BNC to an SO-239 to accept a PL-259 plug.

CLEAR MED

Order #0022

\$8.95

UG255

Order #2122

\$2.95

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Except Alaska, Hawaii and Puerto Rico.

Some of you may be aware that long time member **Gerry Kercher** has been taping the *NASWA Journal* for any sight impaired members interested in the service. Due to health considerations, Gerry needs to step down from providing this service. Therefore, we find ourselves in need of a volunteer if we are to continue the project. If you are interested, please contact me or Gerry (P. O. Box 168, Quaker Hill, CT 06375-0168) as soon as possible. Thanks! Thanks also to Gerry Kercher who has been faithfully dedicated to this project for many years. Your effort in this area is commendable and very much appreciated. Your deeds have made the club's Unity and Friendship motto come alive!

**Mark Taylor** sends along some information of interest: "The 16th annual Madison-Milwaukee Get together for DXers and Radio Enthusiasts will take place on Saturday, July 25, 2009 starting at 1:00 PM until 10:00 PM CDT. This year's venue is in Madison at Mark Taylor's house, 1114 Ellen Avenue. This is an informal event to meet and socialize with other radio hobbyists and enthusiasts. We will have dinner at a local restaurant about 5:30 PM and can return to Mark's after for the traditional cake and chat. If possible, please RSVP to markokpik@tds.net or 608.225.2690. Come when you can, and leave when you must." As a previous attendee, I can highly recommend attending this event. I have enjoyed my previous visits with this growing, fun-group of radio enthusiasts. It is always a good time.

The Danish Shortwave Club International just completed its Annual General Meeting (AGM) and DX-Camp in Vejers Strand on the west coast of Denmark. The AGM and related social activities were a big success, as usual. However, poor propagation lead to bad reception conditions so the DXing was

not good. Nevertheless, a good time appears to be had by all.

Don't forget the upcoming European DX Council Conference in Dublin, Ireland on 28-30 August 2009 hosted by the Irish DX Club. The conference venue is the Grand Canal Hotel, Grand Canal Street, Ballsbridge, Dublin 4, Ireland. Phone: + 353 1 646 1000. Fax: + 353 1 646 1001. For room reservations please use: [www.grandcanalhotel.com](http://www.grandcanalhotel.com). Home-page: [www.grandcanalhotel.com](http://www.grandcanalhotel.com). Prices: Single-room EUR 89.--/ room and night, Double-room EUR 89.--/room and night. Breakfast will be charged extra with EUR 11,95 / breakfast and per person. There will be interesting lectures about our hobby. Lecturers in Dublin: **Mike Adams**, **Jonathan Murphy**, **Simon Maher** and some more... Sightseeing tour in Dublin by bus with English speaking guide and a visit at the Ye Olde Hurdy-Gurdy Museum of Vintage Radio in Howth, Dublin North. The traditional Banquet Dinner will take place at our Conference Hotel on Saturday evening, August 29th. The Conference Fee is EUR 115.-- per person includes: Use of the Conference Room, relevant papers like Conference Covers, Name-Tags, Lunch on Saturday, Sightseeing Tour in Dublin, visit at the Museum of Vintage Radio, and the banquet dinner. The Conference Program has been extended until Sunday, August 30, 2009 approximately 12 o'clock noon. For further information you may contact: **Tibor Szilagyi**. e-mail: [tiszi2035@yahoo.com](mailto:tiszi2035@yahoo.com).

**Ron Hunsicker** recently noted some Internet activity concerning the upcoming commencement of the next solar cycle. It seems there are some testy comments emanating from the experts because the sun is behaving in an unexpected and very interesting way. None of the models developed to track this activity have been correct in predict-

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## Our Motto: Unity & Friendship

ing what will happen and when. Clearly, the experts are having some disagreements about what is happening and who are the experts. Many experts expect another year of very quiet conditions. They expect the cycle to peak in 2013, which means a rapid rise in activity between 2010 and 2013. Whatever the final level of activity, one thing will likely happen: a rapid and chaotic rise in geomagnetic activity, at times at major storm levels, will occur. Enjoy the unique propagation opportunities currently presenting themselves during this quiet phase, because the game will change in the next few years, regardless of whose predictions hold true. As shortwave listeners we can appreciate their struggle to understand what makes the sun tick since it impacts our enjoyment of the shortwave listening hobby.

Don't forget that the World Radio TV Handbook (WRTH) editorial team, lead by **Sean Gilbert**, International Editor, made available the "A" season schedules file for download from the WRTH website at: <http://www.wrth.com>. The file contains schedules for over 230 international and clandestine/

target broadcasters. The schedules file is in PDF format (you will require the free Acrobat reader (v6 or above) available from <http://www.adobe.com>) to read the file. The file is 102 pages long and is 355kb in size. As usual, these free updates from the WRTH editorial team is a useful accompaniment to the printed WRTH.

I have another *Flashsheet* recipient that has gone missing. **Paul Brouillette**, please contact me with your new e-mail address. The old one continues to bounce. Thanks!

Please remember to direct all communications about subscriptions, bulletin delivery issues, suggestions for July 4th celebrations, the use of PayPal as a payment method, etc. to **Bill Oliver** at the club's Levittown address or to his new electronic address, [billoliver@verizon.net](mailto:billoliver@verizon.net). The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquires sent to Wyomissing only slow down the process. Thanks!

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

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## FRENDX: Twenty-Five Years Ago (July 1984)

Peter Pompe in Belgium was looking for a Hallicrafters SX-122; Steve Leite was selling his Icom IC-R70 receiver; Terry Krueger was selling his Panasonic RF-4900 digital receiver; George Sherman was selling the Tropical Band Guide 1984; a new organization called the Gateway DX Club was formed in the St. Louis area; and a new telephone service for DX'ers in the Washington, DC area called The Shortwave Hotline was introduced by Kevin Strom. In Headquarters Report, Bill Oliver noted that John M. Kapinos, the new Distributing Editor, agreed to take over the chairmanship of the club's Awards Program. NASWA member Duke Alexander had a program on Radio RSA called "Duke Alexander's DX Report." In John Herkimer's Shortwave Center, was slightly out of synch with the expected arrival of a new baby; Neil Carleton wrote about radio stamps and its relationship to the listening hobby. James Herkimer's Technical Topics featured an article by John Tow providing a Critical Review of the Icom R-71-A receiver. Roger Legge presented the latest English Language Broadcasts to Eastern & Central North America. In Log Report B, editor Jerry Berg noted the new Peruvian Radio Central on 4,916 kHz. 

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## Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: 86 Pumpkin Hill Road, Levittown, PA 19056). **Note: this is a new postal address!** 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](mailto:rmonty23@verizon.net).

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## Calendar Of Events

- Jul 10 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: [ctreditor@aol.com](mailto:ctreditor@aol.com). The URL for the BADX guys is <http://www.naswa.net/badx/>
- Jul 11 Meeting. The Columbus, Ohio NASWA Chapter** will be meeting at Universal Radio in Reynoldsburg at 10:00 AM. Further information is available from Mike Rohde at 614-527-1398 or via e-mail at [merohde@columbus.rr.com](mailto:merohde@columbus.rr.com). The purpose will be to gather other SWL/ DX listening enthusiasts together for informative discussions and sharing of knowledge and information about the hobby.
- Jul 11 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX)** meets at the Lebanon Citizens' National Bank (LCNB), 425 West Central Avenue (Ohio 73), Springboro, Ohio at 7:00 PM. For more information contact Mark Meece at 937-743-8089 or e-mail at [antennapig@siscom.net](mailto:antennapig@siscom.net). For additional information about MONIX, check out their web site at <http://www.siscom.net/~mmeece/monix.html>
- Jul 20 Meeting. Tar Heel Scanner/Shortwave Listening Group.** Red, Hot and Blue restaurant, 6615 Falls of the Neuse Rd., Raleigh, NC. Dinner @ 6:30PM, meeting @ 7:30PM. Meetings the 3<sup>rd</sup> Monday of each month. Info, Curt Phillips, 919-773-4522, [curt@nerdster.net](mailto:curt@nerdster.net)>[curt@nerdster.net](mailto:curt@nerdster.net).
- Jul 24 Meeting. The Reading Area DXers** will hold another meeting at The Flying Dog in majestic Earlville, PA (Route 562 and Airport Road). Members gather around 5:30 PM near the bar area before heading into the restaurant for dinner and further discussions. Contact Rich D'Angelo (2216 Burkey Drive, Wyomissing, PA 19610; 610-678-0937; [rdangelo3@aol.com](mailto:rdangelo3@aol.com)) for further information about future meetings.
- Jul 25 Get Together.** The 16<sup>th</sup> annual **Madison-Milwaukee Get together for DXers and Radio Enthusiasts** will take place on Saturday, July 25, 2009 starting at 1:00 PM until 10:00 PM CDT. This year's venue is in Madison at Mark Taylor's house, 1114 Ellen Avenue. This is an informal event to meet and socialize with other radio hobbyist and enthusiasts. We will have dinner at a local restaurant about 5:30 PM and can return to Mark's after for the traditional cake and chat. If possible, please RSVP to [markokpik@tds.net](mailto:markokpik@tds.net) or 608.225.2690. Come when you can, and leave when you must.
- Jul 25 Meeting.** Another date has been booked for the **Reading International Radio Group** meetings. The next one will be on Saturday July 25 in Room 3, Reading International Solidarity Centre, 35-39 London Street, Reading at 2.30 p.m. All are welcome. Contact: Mike Barraclough [mikewb@dircon.co.uk](mailto:mikewb@dircon.co.uk)>.
- Jul 31–Aug 2 Conference.** The **15th National and International Meeting of DXers and Shortwave Listeners** will be held in Cuernavaca City, Morelos, Mexico from 31 July through 2 August 2009. This is the annual gathering in Mexico of radio enthusiasts hosted by Magdiel Cruz Rodriguez, Organizer [cmcruz\\_dx@yahoo.com.mx](mailto:cmcruz_dx@yahoo.com.mx)>. Further information is available at <http://www.gratisweb.com/dxmexico/cuernavaca2009.htm> or <http://www.gratisweb.com/dxmexico/english.htm>. Complete travel details are available at <http://www.gratisweb.com/dxmexico/location.htm>.
- Aug '09 Conference.** The National Association of Shortwave Broadcasters will host the **HFCC/ASBU B09 frequency planning conference** from 24–28 August 2009 in Puna Cana, Dominican Republic.
- Aug '09 Convention.** **The European DX Council** will hold its annual conference from 28 through 30 August 2009 in Dublin, Ireland. It will be hosted by the Irish DX Club. See this month's NASWA Notes column for up to the minute information.

- Sep '09** *Convention.* The joint **National Radio Club and WTFDA Convention** will be held 4-6 September 2009 at the Rodeway Inn (1-888-395-5200), 1151 Bulldog Drive, Allentown, PA 18104. Room rates are \$69.00 for up to four people in a room. Convention registration is \$45.00. Check payable to National Radio Club and mail it to Bob Smolarek, 31 Mark Drive, High Bridge, NJ 08829.
- Sep '09** *Convention.* **The International Radio Club of America** will hold its 2009 convention from 17 through 19 September 2009 at the Days Inn, 2120 Menaul Blvd. NE, Albuquerque, NM 87107 (Near I-40 and Hwy 25). Guest room rates are \$44.95 for one person or \$54.95 for two people. Phone number for reservations is 505-884-0250. Registration fee is \$25.00 (not including the banquet) payable to Mike Sanburn, P. O. Box 1256, Bellflower, CA 90707-1256. His e-mail address is mikesanburn@hotmail.com.
- Mar'10** *Convention.* The **23<sup>rd</sup> Annual Winter SWL Festival**, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 5 and 6 March 2010. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special Fest event. See you there!
- May'10** *Annual Meeting.* The **2010 National Association of Shortwave Broadcasters and US DRM Group** will be held in Hamilton, Ontario on 13 and 14 May 2010. It will be hosted by Galcom International. Additional information will be available at a later date.

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: rdangelo3@aol.com) or Ralph Brandi (Internet: ralph@brandi.org). 

## Musings

*Please e-mail your Musings to Rich D'Angelo at rdangelo3@aol.com or by postal mail to 2216 Burkey Drive, Wyomissing, PA 19610.*

### **Jim Evans, Germantown, TN**

Improved conditions were experienced on 19 meters after 0200 UTC on 5/22 and 5/23. A number of Chinese transmitter sites were heard, along with AIR, Voice of Korea, Radio Thailand, and other Asians. Normally 19 meters is a maze of static at this hour. Perhaps a better summer for higher frequency DXing is forthcoming?

### **Giovanni Serra, Roma, Italy**

Few loggings of mine this time: from more than one month in advance, it's summertime here in Rome and Italy, with sunny days and very hot temperature, cause a warm air stream from Africa; so usually I prefer to relax on the beach during my spare time, and to sleep during night (just a brief break from DXing).

### **Don Jensen <dnjkenosha@wi.rr.com>, Kenosha, WI**

6973, Galei Zahal... strong pick up in signal with approaching dawn in Jerusalem (0233). What has happened to this stn? It used to be rather difficult, and now it sounds almost like Havana! (only slight exaggeration) 0206 is S9+20 again here, as it has been lately.

Is my new antenna particularly sensitive in this freq. range? I do seem to be getting better signals lately, since the Sloper went up, on 6 and 7 MHz. I really enjoy this one's programming... intended for a home audience, mostly military, and not for foreign listeners. Pgming is all Hebrew, as far as I have heard, but not a problem. They have really mellow oldies during the overnight hours, with few anmts by very mellow guy. Tonight, things like Bridge over Troubled Waters, Let the Sun Shine In, and other oldies, mellow vocals, etc. That comes abruptly to an end at 0158, when there is an Army bugle call

(since it is 5 am in Jerusalem, I strongly suspect it is the Israeli military's version of Reville, followed by a stirring military march and canned full ID with a list of freqs., with man and woman ancr. You can't forget this is Israel's AFRTS.

0200, two min. of news by woman (tonight leading with attempt on life of Karzai's brother in Afghanistan.... not too hard to figure out despite being in Hebrew. After 0202, more upbeat morning pgm with gal DJ, more talk and more pop mx. I really enjoy this stn!

**Toshi Ohtake <ohtaket@kyp.biglobe.ne.jp>, Japan Short Wave Club, P. O. Box 44, Kamakura 248-8691, Japan**

Our first topic is QSL card from Radio St. Helena. Many Japanese listeners received Radio St. Helena Day 2008 QSL cards by now. The envelopes to contain 2008 QSL cards were provided by Rhein Mein Radio Club of Germany. They also contained brochures of St. Helena Islands, including City guide of Jamestown, Whales and Dolphins around St. Helena and spiders of the peak. This unexpected early arrival of the 2008 QSL was made possible by the dedicated efforts of the station manager, Mr. Gary Walters and his family, who spent many hours at home to process all reception reports. We really appreciate these efforts. JSWC is a sponsor for the Radio St. Helena Day 2009 broadcast to be aired this fall and design of the card is in progress.

The second topic is "Wavescan" DX Program. After Adventist World Radio's UK office was closed, the DX program "Wavescan" had been produced in Singapore for three years. But AWR's Singapore office moved to Batam Island, Indonesia in June. Accordingly, the production of Wavescan program has been moved to the U.S. The final edition of AWR's DX program "Wavescan" produced in Singapore was aired on May 31, 2009, with the usual scheduled repeats during the first few days into June. Beginning in the first week of June, "Wavescan" will be written and produced in the United States for broadcast worldwide. In the new arrangement, the scripts for "Wavescan" will be researched and written in Indianapolis, Indiana, and the program will be assembled and produced in the Miami, Florida, at the studios of shortwave station WRMI/Radio Miami International. QSL cards acknowledging the reception of "Wavescan" will be available from both WRMI and Adventist World Radio.

The new presentations of "Wavescan" will be very similar to the earlier editions as produced in Singapore. Each edition will include a station profile on an important or a little-known shortwave station from a historical perspective. There will also be other features from the fascinating world of international radio broadcasting, as well as regular bulletins of DX news. It is intended that the regular DX bulletins from Japan, Bangladesh, Philippines and Australia will be included as usual in these new broadcasts of "Wavescan." JSWC's DX bulletin will be aired on the first Sunday of the month.

This is all for this month. Wishing you FB DXing!      Toshi Ohtake

**Joe Hanlon <pwoodswl@aol.com>, New Jersey**

I noted something new on WRN when I was driving in my 2009 Ford Focus, which has Sirius included along with the usual AM/FM radio, on 5/31: Deutsche Welle, which I recall was on PRI when that network was on Sirius some years ago. Checking the full sked at wrn.org, I see that DW has two daily half-hour airings, which is world news followed by "Newslink", at 12:30pm and later at 11:30pm ET.

Another program that should grab the attention of former Swiss Radio International SW listeners is a weekly 15-minute segment from Swissinfo, Saturday at 4:30am and Sunday evening at 8:45pm ET. Wonder if any ex-SRI announcers (Bob Zanotti?) are part of this show?

**Mike Rohde <merohde@columbus.rr.com>, Columbus, OH**

As the new editor of *Pirate Radio Report* I wanted to ask that anyone that has pirate logs in the future to please send them to me! If you submit your logs to the flash sheet there is no need to send them to me again. I will pick up those logs from the flash sheet.

Please use the following address for logs and any comments or suggestions regarding the column: hfpirates@gmail.com.

Today (Saturday, June 13) we had our 10th Columbus NASWA meeting. It is hard to believe that it in 2 months it will be a year since we started this venture. In any case, everyone still seems to be interested and having fun. We had nine attendees this month including a couple that had just moved here from California. They were pretty excited to attend and said there was nothing like this in San Diego.

We had our usual wide ranging conversations on SWLing, Dxing, equipment, and techniques. One of our regular attendees mentioned that prior to the formation of the Columbus, NASWA group his interest in shortwave had fallen off but now is back into it and really enjoying it. That in itself makes all of all our efforts worth it in my book! So, now I am brain storming to come up with an idea to do something special for our one year anniversary meeting.

**Kevin Molander <kmolander@earthlink.net>, Martinez, CA**

Pulling in Shortwave stations while in an apartment located adjacent to an industrial area (a massive Shell Oil refinery sits about 1/10th of a mile down the road) has its limitations. I'm surrounded by power lines, microwave relay stations, microwave ovens, vacuums, leaf-blowers, computers, televisions, etc. All of these static-producing contraptions are a real annoyance and a hindrance in terms of hearing clear shortwave transmissions.

About a week ago, I got a bright idea. I don't know why I didn't think of this earlier. About 3 miles down the road is a large open space area - free of anything that would cause interference. I decided to haul my Grundig YB 400 PE, reel antenna, 24 hour clock, a Coleman lantern and reference materials over to the nearest trailhead in these hills. Above the trailhead are a few picnic tables. I rarely see anyone sitting at these tables.

I spread all of the above on one of these tables and throw my antenna up around an oak tree branch about 10' off of the ground. In the last week, I have gone out to this location about 5 nights, usually between 7:00 p.m and 10:00 p.m. local time.

As dusk approaches, I turn my Coleman lantern on. Up until the sun starts to set, I am attacked by 100's of mosquitoes - I spend almost as much time smacking the 'skeeters as I do tuning the dials. Right around 9:00 pm, the mosquitoes disappear and one lone big bat appears and begins doing circles around the nearby oak tree and me. He circles for about 3 minutes and then disappears. Last night, I saw a big owl flying around - he had a mouse clenched in his jaw as he flew over head.

Now to the interesting part. There is NO interference. A multitude of stations fill the airwaves up and down the dial. On several frequencies, I hear more than one station. In the last five days, I have easily heard and identified (in English) - Greece, Egypt, The Ukraine, Czechoslovakia, Slovenia, Moldova, Oman and a couple of new cities in Russia (Irkutsk and I forget the other one). All of these were coming in strong (except for Oman). The time clock on 7850, CHU, is almost as loud as an Aerosmith concert. I have also heard many stations in other languages and have a good idea of the location of these as yet identified stations.

The possibilities seem endless in terms of what I can hear. Again, I have only been out at this picnic table between 7:00 p.m and 10:00 p.m PDT. This trailhead has a curfew between 10:00 p.m. and 5:00 a.m. The hours I have yet to listen (5:00 a.m. to 6:59 p.m) are awaiting me. I plan on heading to this picnic table at least one morning during the work week between roughly 5:00 a.m. and 7:30 a.m.. I imagine the trans-pacific stations will be booming in at this time. Also, I will be able to head out to this new dx location about anytime on the weekends.

The above discovery has opened up a whole new world for me in terms of what I can hear. As an example, Radio Prague (I think the frequency is 9,700 kHz) sounds like a local. So does Voice of Russia (in Spanish) w/transmitter in French Guiana). In fact, numerous distant stations sound like they are located just down the street. Radio Cairo (I think the frequency is 7,445) is completely clear of interference. This has changed the hobby completely for me. It is like the difference between night and day in terms of what I can hear in my apartment and what I hear at the picnic table.

Occasionally, a hiker will pass by and look over at me, undoubtedly wondering what in tarnation I am doing – especially when my Coleman lantern is lit after dusk. Aware of their presence, I look up and give them a quick wave – typically the hiker in question will wave back.

**Steve Zolvinski, 411 Wells Mill Drive, #79, Oxford, OH 45056**

I don't quite know how to send messages to your "Musings" section in the NASWA Journal, because you never list an e-mail address for contacting you. Anyway, I heard on the "We've Got Mail" program on the Radio Taiwan International on 01 June that they are changing the RTI schedule to North America. Naturally, this gave me a sinking feeling that another broadcaster is cutting back on hours. But to my surprise, they said they are increasing their schedule to North America. I wasn't able to catch all the details because I fell off my chair when I heard that, and by the time I got back upright the announcement was over. This is especially interesting news after they sent out a survey last year asking about listeners' interests, which usually sets the pattern for an international broadcasters to justify cutting back or cutting out completely. Anyway, this will be one to follow up on.

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

In past years I have managed to set up my Eton E1 in the backyard with some wire to enjoy the evening outdoors while tuning the shortwave bands. This season the weather has been so inconsistent that I think that I have managed to do that only once so far this year. Maybe I'll get in a few more days soon. However, I will e away the rest of this week enjoying the U.S. Open at Bethpage and then we head to Alaska in late July for 11 days for vacation. Maybe the outdoor DX season will commence in the late summer or early fall time periods.

This month's returns feature a verification from Amhara Regional State Radio. They verified an electronic report with an electronic reply from v/s Dereje Moges (dereradio2000@yahoo.com), Station Director who mentioned that Amhara Radio is 12 years old and that shortwave began in September 2009. Amhara Radio broadcasts news, music, entertainment, educational and information programs. I believe they are looking for financial support from overseas listeners. Family Radio via Almaty verified with a full data "Three Decades of Faithful Service" card but neglected the transmitter site information. Radio St. Helena verified with a full data station card from v/s Gary Walters who also enclosed a nice note. Finally, Radio Netherlands via Tashkent verified with a full data "The Radio Netherlands Worldwide Building, Hilversum" Dutch/English card.

# Easy Listening

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

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## Radio Netherlands shortwave for the Western hemisphere: Spanish *si*, English *no*

Radio Netherlands generated some buzz in some hobby circles a few weeks back for *adding* shortwave frequencies to its schedule for broadcasting Spanish language programming to Latin America, based on listener requests. Some wondered aloud if a similar listener campaign could restore English language shortwave programming targeting North America. RNW stated this wasn't feasible...that its decision to end shortwave usage in English to North America wasn't going to be reversed.

I spoke with some friends at RNW to find out why even a *single* evening transmission in English to North America wasn't feasible. One part of the answer: time zones. If you compare North America to South America, you see that, for the USA and Canada, North America is much wider than the bulk of Latin America. The continental USA (including Alaska) uses five time zones; Canada uses six, if you count Newfoundland. This means it's very difficult to find a single time that hits prime evening listening hours everywhere. A broadcast that airs at 10 PM in Kulpsville, PA would air at 7 PM in Los Angeles, CA, too early for many to be at a radio. At this time, Radio Netherlands doesn't have the resources to restore multiple hours of shortwave to North America.

Also, I was reminded that Radio Netherlands solicited input from North American English language listeners regarding their shortwave listening habits before ending the service; few of those who took the time to respond to Radio Netherlands' inquiry indicated they lacked listening options other than shortwave; at the time, Radio Netherlands estimated their North American English language shortwave-only audience was *fewer than 1000 listeners!* That

number seems small to me, but I didn't see the estimation process or how this number was reached.

So this means that your best chances to catch Radio Netherlands via shortwave in English in Eastern North America would be to try for the editions that target Africa. Based on typical propagation, my recommendations would be 1800-1957 on 15535 from Wertachtal, Germany targeting East Africa, and 2000-2057 on 11610 from Issoudun, France targeting West Africa. As always, your results may differ.

When it comes to weekday news analysis programming on Radio Netherlands, *Newsline* has diminished in importance; it's now just ten minutes long. However, it remains a decent source for a deeper analysis of global issues than is available from other broadcasters. All isn't lost, however—Radio Netherlands is responsible for the weekday *Network Europe* program, a magazine-style program which focuses on European current affairs. Like *Newsline*, it's a good listen.

## Radio Netherlands replaying documentaries from its archive

Until a couple years ago, one of the jewels in Radio Netherlands' schedule was its weekly documentary program. A single issue would be explored and a well-crafted 30-minute program would result; these programs were consistently high in quality and made for compelling listening.

For the summer season, these documentaries once again join Radio Netherlands' schedule under the program title *Classic Dox*. A recent documentary from the archive was *Thirty Years of Poetry International*, originally broadcast in June of 1999. Poets from every continent were represented in this celebration of voices. Illustrious names including Nobel Prize winners Joseph Brod-

sky, Wole Soyinka and Seamus Heany were featured along with winners of the Poetry International Award honouring imprisoned poets like Breyten Breytenbach and Jack Mapanje. *Classic Dox* has limited airings on shortwave; 1000 UTC to East Asia and Southeast Asia 11895, Eastern China 12065, Southeast Asia 15110. If you listen to Radio Netherlands via the WRN stream on satellite radio or the web, you can tune in Mondays at 0400 and 1200. You can listen online, but you have to hunt for the program—*Classic Dox* doesn't appear in the "Listen On Demand" section of the website; you have to load the Listening Guide, which lists *Classic Dox* among the programs; you can click through from that listing to the week's program and listen online.

If you happen to browse the RNW website, you'll see it has recently been reorganized; in some instances, archived information such as Radio Netherlands' documentaries has not yet been ported over to the new website.

### **VOIRI—If you can't load the web-cast, there's always shortwave...**

It appears that the **Voice of the Islamic Republic of Iran** is having a difficult time keeping up with demand for its website after the presidential election controversy. Shortwave, of course, is "infinitely scalable"—to use an Internet term—and VOIRI's broadcast targeting North America is from 0130 to 0230 UTC on 7235 and 9495 kHz. Don't expect "easy listening" quality, though...sometimes propagation from the Middle East on those frequencies at those times is not favorable. You might also consider the African/ European targeted broadcasts at 1930 UTC on 5940, 7205, 9800, and 9925 kHz; the higher frequencies might have a chance of reaching North America, but I wouldn't hold my breath. Also, 5940 is relayed to Western Europe from Lithuania, not directly from Iran. As you probably would expect, VOIRI broadcasts tend to follow the official government line, so you are not likely to hear anything favorable regarding the opposition candidates and anti-government protests.

## **Bits and Pieces from DXLD**

### **Radio Prague ends Sackville relay to Western North America in English**

As reported by Glenn Houser in *World of Radio* and *DX Listening Digest*, Radio Prague will be ending this 0330 relay on 6080 kHz as of July 1<sup>st</sup>, due to budgetary constraints.

Radio Exterior Espana has a special series on Spanish history and music

Again via a tip propagated via DXLD, REE is airing a new weekly program about the effect Spain's history has had on music. The 25-minute program airs UT Sundays and Tuesdays (it appears) and begins at 0030. It appears the program will only air for a few months, so you might want to check it out.

### **Radio Taiwan International cancels *Taiwan Indie* after airing undeleted expletives**

The program *Taiwan Indie* was a music oriented program on the RTI schedule; a recent edition included some rather salty language, which wound up getting the program and its presenter canned. RTI has apologized collectively and to some individuals that have corresponded with Glenn H.

### **BBC World Service improves streaming audio quality, switches to Flash format**

The **BBC** has switched its various radio services to an embedded Flash software-based player, and appears to be winding down its use of RealMedia formatted audio. The BBC has long used comparatively low-bandwidth streams for its web audio, but the new Flash-based audio is 48 kbps and is of reasonably decent audio quality. The World Service feed is also in stereo, though the only content in stereo during news programming appears to be the various jingles used during programs. The BBC also is implementing Windows Media-formatted audio across all of its stations, with BBC Local Radio stations to be converted over to the Flash-plus-Windows Media format later this summer. Flash players are available for

Windows, Macintosh, and Linux operating systems, and this universal PC operating system availability is helpful.

The URL [http://iplayerhelp.external.bbc.co.uk/help/streaming\\_programmes/local\\_radio\\_streams](http://iplayerhelp.external.bbc.co.uk/help/streaming_programmes/local_radio_streams) lists the Windows and Real Media URLs for the BBC's various live audio streams, including the World Service in English. Users of Internet radios may find those particularly handy, as Internet radios generally do not play Flash audio.

Exactly what will be happening to on-demand content, though, isn't 100% clear. Earlier this past week, on-demand content would open in the Flash player; the player offered this on-demand content in Windows and Real formats, but in two instances these links didn't work. One week later, as I am typing this, the on-demand content is only available in the BBC's "iPlayer", the format used across its various radio services, which is an embedded RealMedia player. That version of the on-demand content appeared to load properly.

The quality of the Flash audio is better than traditional analog shortwave, due to the lack of static and fading, and due to the overall audio fidelity.

### **WRMI update—online schedule iffy, as feared...**

I did some following up to the item in the June *Journal* regarding **WRMI**; in the June column, I cautioned that the program schedule posted on the website did not appear to be current. Indeed, Jeff White laments that it is difficult for the online schedule to keep up with the near-continuous adjustments and changes to the program schedule as program producers come and go. So the best advice I can offer is to listen and keep notes...and share those with your column editor so others can benefit!

### **Do you want to tell the BBC what's on your mind? Consider the *BBC Global Minds* online community**

The BBC has launched an online community, *BBC Global Minds*, that it's using as a virtual global focus group to seek out opinions on its programming content, direction, and strategy. Senior BBC executives, including the new director of the World Service, Peter Horrocks, participate in the online discussions. There are forums, blogs, and surveys. The focus of this community appears to be the BBC World Service as well as the BBC World News TV service. There is participation in the various discussions from around the world; given the online format of this initiative, shortwave isn't mentioned often (but we do get some commentary regarding the role of shortwave in today's BBC World Service. Simply visit <http://www.bbcglobalminds.com> to create your online profile and begin participating in the dialogue.

### **Deutsche Welle: *European Business Week* replaces *Money Talks*; *Living In Germany* returns; *Music Week* is new**

DW snuck these changes in with the seasonal changes in late March, but I didn't catch them until now.

#### **European Business Week**

The program description at the DW website: "*European Business Week* looks at the major happenings in the world of money and provides insights into the business climate in Europe. We explore the major issues in the economic world, with a personal touch."

What's different about the program versus its prior incarnation as *Money Talks* is the overt European centric view; the prior program had more of a German focus, and had the tag line "Business from the Heart of Europe."

*European Business Week* airs in either the Friday or Saturday program schedule, depending on the hour.

### Living In Germany

This program used to be part of my Sunday evening (Monday UTC) ritual...paired with *Larry's Random Selection*. As before, the program seeks to understand what it's like to live in Germany through the eyes of both Germans and non-Germans. This new incarnation is shorter, though...only ten minutes in length; it airs on Sundays and Tuesdays, again depending on the hour.

### Music This Week

This program is paired with *Living In Germany* and carries this description: "Music can change lives—and it has down through the ages. Just how that has happened is the theme of DW's new five-minute mini documentary *Music This Week*. Each episode looks at a particular date—a world premiere, the birthday or death date of a musician, or an important historical event—and explores the music that went along with it." *Music This Week* follows *Living In Germany* on Sundays and Tuesdays, again depending on the hour.

Don't forget that you can receive daily e-mails from DW regarding their programming as well as German news and events. There's *Daily Bulletin*, a summary of news, analysis and opinion about Germany and Europe; *World News*, the day's top story plus other global headlines, and *From the Heart of Europe*, a weekly collection of special articles that offer an inside perspective on key events in politics, business and culture that impact Germany and Europe.

Look for the entry labeled <Newsletters> in the category <Interactive> along the navigation panel on left side of any DW web page.

### You are communicating with your favorite broadcasters...right?

We have seen several recent instances of broadcasters eager for listener feedback, and in some instances disappearing from a particular broadcast platform (in other words, Shortwave) or disappearing altogether because this feedback was not forthcoming. If you like what you hear, or don't like what you here, take the time to send even a short note of appreciation or condemnation. Especially if you didn't like something, explain what you'd recommend changing and why.

It's kind of like voting...I remember seeing license plates that read "My vote cancels out your vote" as an incentive for the reader to take action. If you are too lazy to write, it is likely someone else is not too lazy, and the broadcaster will take action on their feedback, not yours, because you didn't bother to send it.

If you are unsure how to e-mail a particular broadcaster, or need their postal address and don't have a recent edition of *Passport* or *WRTH*, send me a quick note and I'll be happy to help.

Until next month, 73 DE Richard



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**For faster service with membership dues payments, address changes, or missing bulletins, send all information to NASWA, 45 Wildflower Road, Levittown, PA 19057-3209. The e-mail address for these matters is [weoliver@comcast.net](mailto:weoliver@comcast.net). Please send articles and comments for the Musings section of "NASWA Notes" to Rich D'Angelo whose address appears on his masthead**

# Shortwave Center

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*This month, a section of news and notes all originally posted online in Glenn Hauser's DX Listening Digest (DXLD) newsgroup.*

## Communication Technology

By Ron Hendrickson

June 4, 2009

The National Oceanic and Atmospheric Administration (NOAA) is predicting a mild solar storm season for the next 11-year solar cycle. (For the initial announcement, click [here](#).) But what does that mean, and why do we care?

### What it is

To simplify, space weather is electromagnetic stuff happening in space - usually involving the sun - that can affect us here on Earth. That can include such things as solar flares, solar storms, coronal mass ejections and solar wind. These can affect satellites, power grids and radio propagation.

"This whole concept of space weather is kind of an interesting one," said Ron Hranac, a technical leader at Cisco and CT's senior technology editor. "The sun can do a lot of good stuff for us ... but it can also do some interesting and some nasty things, like spit out huge storms that can have a pretty severe impact on things here on Earth, including the climate and technology."

As an aside, sun transit outages, sometimes mistakenly called "sunspot outages," are not space weather and have nothing to do with sunspots. Sun transit outages interfere with signals from geostationary satellites around the spring and fall equinoxes because of geometry. During the equinoxes, the orbits of the sun, Earth and geostationary satellites align such that a receive antenna on the Earth can't "see" the satellite because the sun is directly behind it.

### What it can do

Of primary interest in telecommunications is space weather's effect on satellites and power grids.

"What happens in a space weather storm is, yes, there's a risk to satellites; yes, there can be interference at discrete frequencies; and there can be problems induced in the (power) transmission lines, which saturates the core of the transformers at the power stations, which then can make its way to the distribution network," said Doug Biesecker, a scientist with the NOAA's Space Weather Prediction Center.

Biesecker said geostationary satellites, via which many cable operators receive programming, are subject to RFI from the sun and that severe space weather can take out a transponder or entire satellite. He cites the following example.

"Telstar 401 in 1997, space weather, it was gone for good," he said. "Yeah, there are instances of satellites completely killed by space weather."

Losing the bird leads to a scramble to re-establish the programming it formerly carried, Hranac said.

"If a satellite gets damaged - permanently damaged - by a solar event," he said, "then the cable companies that are carrying those program services they are receiving by satellite would then have to point the satellite dish to another satellite that is operating in a backup capacity."

Power grids and railroad tracks, both essentially being very long conductors, are also at

risk. A big solar flare in 1989 caused power outages in Canada that affected about 6 million people.

"There are surge currents, if you will, induced in those long conductors - railroad tracks, cross-country high-voltage transmission lines, and things like that," Hranac said. "These surges can, if they're severe enough, damage electrical equipment - transformers, substations, and other things. It essentially overloads this stuff, and it gets some pretty substantial surge damage."

## What to do

Luckily, space weather events affecting satellites and power grids are rare. Because the sun is a sphere, relatively few solar events face the Earth, so most dissipate out into space. Still, it's wise to be prepared, Hranac said. Know the backup transponders and satellites for your programming and

whether your dishes have a clear line of sight to them.

"There probably should be some kind of Plan B in place at the system level, or certainly at the corporate level of a cable operator," he said. "What are you going to tell your systems to do if the satellite carrying HBO goes out because of a solar flare? It may be one of those low priority things, but discuss it. Put together a Plan B; just be aware of it. Say, 'This happens, and this is what you do. This is who you call, here are the numbers, this is the information.'"

To learn more about space weather, check out the Web sites for the Space Weather Center and the National Weather Service Space Weather Prediction Center.

Read more news and analysis on Communications Technology's Web site at [www.cable360.net/ct/news/](http://www.cable360.net/ct/news/)

## RFI

June 23, 2009

The strike at Radio France Internationale was in its seventh week on Tuesday and staff voted again to continue. At issue is the cutting of about 20 per cent of the total number of about 1,000 jobs. Talks have been deadlocked, and part of the dispute is playing out in the law courts.

The next court judgement is due on Thursday.

It will determine whether or not the management's reform and restructuring plan can go ahead in its present form, or whether they will be legally obliged to return to the drawing board as most of the unions demand.

After a series of volleying in Parisian law courts over the past six weeks, most of RFI's broadcasts are still off air. It's the longest

strike among French public-service broadcasters since 1968.

Management and most of the trade unions representing jobs across-the-board, have failed to come to agreement.

One union, which represents journalists, technical staff and administrative workers has agreed a severance package with management. However, the unions say they are determined that no staff member shall be sacked.

The employees who attended a union meeting on Tuesday voted to keep the strike going while waiting for the latest legal decision.

[http://www.rfi.fr/actuen/articles/114/article\\_4082.asp](http://www.rfi.fr/actuen/articles/114/article_4082.asp)

# RNZI Airs New Radio Heritage Documentary 55 Years of Radio Fiji July 1 1954-2009

Join us from June 15 2009 when the Radio Heritage Foundation airs a new radio heritage documentary on the Radio New Zealand International [RNZI] Mailbox program.

You can listen via shortwave or audio on demand [for the following month] with full details of frequencies and times and audio download at [www.rnzi.com](http://www.rnzi.com).

The program celebrates 55 years since the original Fiji Broadcasting Commission signed on the air for the first time on July 1 1954.

From VPD on shortwave and ZJV on mediumwave since 1936, Fiji has enjoyed one of the most sophisticated radio broadcasting markets in the Pacific. In World War II an American Armed Forces Radio station [WVUT] also broadcast from Nadi, home of the main airport in the islands.

The [then] New Zealand Broadcasting Service was heavily involved with the establishment of the Fiji Broadcasting Commission. It supplied almost the entire expatriate staff on secondment from New Zealand commercial and non-commercial stations, carried out the technical work across the islands, built the broadcasting house, and provided good guidance for the new independent public broadcaster.

In fact, on the opening night on July 1 1954, the new FBC chairman spoke what have turned out to be highly prophetic words:

"This broadcasting service will certainly provide entertainment, but it will not be the government's idea of what should divert us. It will offer programs of information and enlightenment, but these programs will not

be the government's conception of what we should hear."

In the light of recent events in Fiji where the media no longer enjoys such freedoms, it's interesting to note that such a warning was being sounded those 55 years ago.

At the time, Fiji was a British Crown Colony, and this was a new experiment for the colonial authorities.

The rest of the opening celebrations for the FBC included Fijian choirs, Indian music clubs, the Fiji Infantry Regiment Band, pianists, violinists and even the Suva Group Theater.

For a timely look back at the birth of free public broadcasting in Fiji those 55 years ago, as well as some fabulous Fijian music, visit [www.rnzi.com](http://www.rnzi.com) today and download the audio from the June 15 edition of Mailbox.

Join David Ricquish of the Radio Heritage Foundation on this journey back to Suva on the night of July 1 1954, and also hear more excerpts from the opening speeches, and the song that ended that very first FBC broadcast.

This new radio heritage documentary on RNZI complements existing stories about early radio ZJV in Fiji online today at [www.radioheritage.net](http://www.radioheritage.net). A new article on 55 Years of the Fiji Broadcasting Commission will be online shortly.

Radio Heritage Foundation is a registered non-profit organization connecting popular culture and radio heritage across the Pacific. Visit the global website [www.radioheritage.net](http://www.radioheritage.net) to see fresh new articles, images and audio, and much more about Pacific radio.

# Web vs. Print

Many printed publications have closed in recent years and increasingly the publication of specialist information is becoming web only.

Around the world printed publications have been closing as owners grapple with the long term impact of the Internet on their business coupled with the short term recession.

Over the last decade web sites have been steadily taking both editorial material and the all important advertising from traditional media whose owners are now struggling to find new business models to survive in the modern world.

An item on Wiki says that 120 newspapers closed their doors in the first three months of 2009.

Free electronic publication has been one approach but this is not a panacea. If you give away your editorial content how do you make money? The obvious answer is advertising but advertisers will naturally expect lower rates for web ads and there is the question of being able to provide verifiable circulation figures.

If your end product is a PDF, how do you know who many copies will get emailed by people to friends and how many recipients

actually read it. If someone has paid 90 pence (\$1:50) for a newspaper you know they'll read it and see the adverts, if they get a free PDF email attachment you can't be as sure that they'll actually bother to open the attachment.

Charging for electronic publications is another approach but people are currently reluctant to pay anything for web based information.

People tend to copy any electronic media to give to friends which tends to undermine the straight subscription model.

Among the free specialist radio publications available on the web are:

WorldRadio Online (CQ communications Inc) <http://www.cq-amateur-radio.com/WorldRadio.html>

HAM-MAG <http://www.ham-mag.com/>

Amsat-India Newsletter <http://www.amsat-india.org/Newsletter/>

K9YA Telegraph <http://www.k9ya.org/>

(Southgate [http://www.southgatearc.org/news/june2009/radio\\_magazines\\_on\\_the\\_web.htm](http://www.southgatearc.org/news/june2009/radio_magazines_on_the_web.htm) )

## Cuts Coming at Radio Marti

Amateur Radio Newsline Report 1660 - June 5 2009

Since its inception many years ago, we have reported on the ups and downs of broadcast services Radio and TV Martí. That's the U-S based propaganda stations that beam broadcasts to Cuba which are routinely jammed by the Cuban government.

Now, according to news reports, Radio and Television Marti will lay off 20 percent of their workforce in a shake-up aimed at retooling the struggling stations. This, in the face of a steep federal budget cuts that provide \$2 point 4 million dollars less than last year.

The U.S.-funded broadcasts, aimed at breaking the information blockade on the island, will change formats in response to the proposed budget cut. Radio Marti will go to an all news format, and TV Marti will have a five-minute news update every half hour, with other programming filling the time between them.

The final goal is to eliminate 35 jobs at the combined Marti broadcasting facility while at the same time producing a faster and more pointed newscast. (RW)

# RFE/RL & VOA to Expand Reach into Afghanistan-Pakistan Border Region

Washington, DC, 06/25/2009 Voice of America (VOA) and Radio Free Europe/Radio Liberty (RFE/RL) will receive additional resources to expand critical radio broadcasts to the Afghanistan-Pakistan border region as part of the \$106 billion emergency war bill signed today.

With the exception of VOA's Radio Deewa, little independent news and information is available in the volatile border region. Extremist radio stations have proliferated in recent months, and the new programs will bolster current U.S. efforts to provide an alternative source of independent news and information to the Pashto speaking people in Pakistan. The expanded programming of Radio Deewa, and new programming from RFE/RL's Radio Azadi, will feature a wide range of news, political, and cultural programs with call-in shows and content geared toward women and youth. Programs will be distributed via shortwave, FM and the Internet.

"Radio is a powerful medium. Extremists encouraging violence understand this," said D. Jeffrey Hirschberg, of the Broadcasting Board of Governors (BBG) which oversees both VOA and RFE/RL. "Our broadcasts are an antidote to such extremism and we are grateful for the opportunity to expand our programs. They will be central to providing an alternate view, one based on accuracy and balance, which is generally absent from local media."

About Deewa Radio Created in October 2006,

Deewa Radio targets an estimated 35 million Pashto-speaking people in Pakistan and neighboring Afghanistan, including the NWFP where some 2.5 million people have been displaced as Pakistani military battle Taliban fighters. Deewa also reaches Pakistan's Federally Administered Tribal Areas (FATA) and Baluchistan.

Earlier this month, Deewa Radio added three hours of programming in the morning to complement the six hours of evening news and information broadcasts. In addition to news, programs include information about health, shelter, social issues, education, science and culture. The program provides a lifeline to Internally Displaced Persons (IDP) in camps and elsewhere. Up to 300 people per day routinely call in to Deewa Radio programs.

VOA also reaches millions of people daily through its popular radio and TV Ashna in Dari and Pashto, as well as its Urdu radio program Aap Ki Dunya and Beyond the Headlines Urdu television program.

About Radio Azadi RFE/RL will launch a new radio program for the Pashto-speaking people of Pakistan, complementing VOA's existing programming to the volatile region. This expands RFE/RL's existing Afghan service, Radio Azadi, the most popular radio station in Afghanistan which reaches more than 50% of the adult population with programs in Dari and Pashto. It was launched in 2001 as part of an effort to build a peaceful and democratic Afghanistan following the ouster of the Taliban.

## RAIN

Pirate radio broadcasters are using the Internet to remotely access their transmitters, making it harder for authorities to find them. In the past, broadcast pirates would send their content to transmitters through radio or microwave links. Authorities, like UK airwave watchdog Ofcom, then developed tools to detect such remote links. Now, online audio streams "can also be used to get the signal via modem to a remote transmit-

ter," explains Paul Marks of New Scientist (here). This makes it much more difficult for the authorities to track where pirate broadcasters actually are, though Ofcom is developing tools to do so. Interestingly, their "dream is that pirates will migrate to the net and eventually ditch FM."

<http://textpattern.kurthanson.com/> 

# Kim's Column

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This column is available at this URL publicized only to NASWA members: <http://kimelli.nfshost.com/index.php?id=6835>

## Questions after Iran's dust settles

At unpredictable intervals, the parade of current events hands us a new test case for the international media. The latest, of course, is Iran: the lead-up to the election on June 12, and especially the unrest after the election.

The scenario has been typical. The domestic media have been biased and mostly worthless in reporting the events. Iranians have been seeking international media to fill that international void. Iran has been jamming, blocking, and confiscating to try to keep the information out.

## BBC versus USIB

Reports and anecdotal evidence since the beginning of the crisis suggest that the BBC Persian television channel was the preferred choice of Iranians seeking news. When BBC Persian TV went on the air in January 2009, Iranian bloggers and other commentators immediately preferred it to VOA Persian News Network television. This preference for BBC continues during the unrest, at least based on anecdotal evidence.

So the first question is whether BBC Persian TV is considered more credible and does have a larger audience than VOA PNN TV, or at least did before the demonstrations and the jamming. Audience surveys—which can be conducted by telephone—when the dust settles are the only to know for sure.

## Satellites can be jammed, too

And then there is the jamming of BBC and VOA satellite television transmissions. This may be the first instance of sustained jamming of satellite television. Such jamming has happened before, but it is usually

brief. There is great international pressure against jamming satellites—more than we ever saw against shortwave jamming—probably because signals from other than the “offending” station are affected, and in a footprint well beyond the country doing the jamming. (But, then, that was true for shortwave jamming, too.)

The satellite jamming is definitely being accomplished by transmitting on the uplink frequency, this obliterating the unwanted channel through its footprint. But terrestrial satellite jamming, e.g. “microwave trucks,” has been mentioned in this and previous Iranian crises. Here, transmissions on the ground on the C and especially Ku-band can block satellite broadcasts over a modest area. But they can also be detrimental to the health of anyone near those terrestrial jamming transmitters.

VOA announced back on May 28 that it had added satellite broadcasting capability for its Persian television. Interference had already been noticed. VOA, therefore, may have had a technical advantage over BBC Persian television, which did not add satellite circuits until June 19.

And what about the transmissions of VOA Persian TV, Radio Farda, and the California-based Iranian exile station via Telstar 12 at 15 degrees west? For years, that has been the satellite of choice for broadcasting into Iran because Iran can't uplink a jamming signal to a satellite that close to the horizon, at least from its own territory. This is why there was, in 2003, a brief episode of jamming of Telstar 12 via Cuba, from where uplinks were possible. Cuba, despite its own enthusiasm to jamming US broadcasts on shortwave, medium wave, VHF, and UHF, quickly put a stop to the Iranian jamming adventure from its soil.

So is Telstar 12 still able to get television into Iran? Iranians who want to watch VOA and other channels via this satellite must

point their dishes conspicuously to the western horizon. All the neighbors—and authorities—will know what they're up to.

Which leads us to the next question: has the confiscation of satellite dishes and of the (typically more expensive) satellite receivers been stepped up. Of course, Iranian authorities mount periodic campaigns against dish ownership, but because so many people have them, they have had little overall impact on the media scene. Perhaps now the confiscations will be more serious.

Historically, the most prominent way to get rid of unwanted content on satellites is for the offended government to apply politico-economic pressure on the satellite company. So far, in the present crisis, Eutelsat and even Arabsat and Nilesat have not shown an unwillingness to carry BBC and VOA broadcasts.

### Shortwave to the rescue?

In my daily scan of news stories about the crisis, I am not seeing many references to Iranians listening to foreign broadcasts on shortwave, or using radio at all. An Iranian who allowed *The Telegraph* access to her diary noted that BBC and VOA television were blocked and that internet access was difficult. Then, she added: "Last night Voice of America radio introduced a number of sites which you could connect through and some proxy programmes." So VOA radio, presumably via medium wave or shortwave, was getting through, though she didn't remark on that remarkable fact.

In theory, shortwave should be an effective way to get information into Iran. Yes, Iran is jamming shortwave and medium wave broadcasts. But with Iran's jammers relatively close to the listeners, the more distant broadcast transmitters should be able to get through on at least one frequency.

The question here, then, is how many people in Iran are using shortwave during this emergency. We know from previous surveys that shortwave radio ownership and use has

waned in Iran, in favor of television (including satellite television) and the internet, in which Iranians are particularly proficient. Are people who have shortwave radios dusting them off to use during the present situation? Do shops have shortwave radios for sale? Have (as we have seen recently in Burma) sales of shortwave radios suddenly increased?

Or is the internet, despite all of the attempts by Iranian authorities to block sites and slow connection speeds, the non-interdictable medium of choice? Are there more Iranians able to use proxy sites and other workarounds than there are Iranians who have shortwave radios and are willing to try all the frequencies to find the one that gets above the jamming?

### USIB versus USIB

When the post-hoc analysis is performed, it will probably be determined that the BBC had the larger audience, more impact, and more respect than US international broadcasting, though the latter will have put in a respectable and competitive performance.

It would be a good time to examine another competition, that between 1) VOA Persian News Network television and radio and 2) Radio Farda, a Prague-based service of Radio Free Europe/Radio Liberty. Radio Farda certainly had the early lead in publicity, with members of Congress and conservative commentators singing its praises and calling for its budget to be increased, and not even acknowledging the existence of VOA Persian. VOA came back with some television coverage, some of it not mentioning Radio Farda.

With the difficulties of getting news out of Iran, and back to audiences in Iran, can the United States afford two stations that compete with rather than cooperate with each other? Is this maybe an important reason why USIB is number two to the BBC among Iranian audiences?

*Views expressed are my own. More at [www.kimandrewelliott.com](http://www.kimandrewelliott.com).* 

# Adrian Peterson's Diary

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## Radio Broadcasting in New Guinea: The Port Moresby Story—VIG & VHSU

In recent time, we have begun a series of progressive topics here in *Wavescan* on the story of radio broadcasting on the island of New Guinea. Thus far, we have shared with you the early origins back in the era of the old spark wireless stations; and on this occasion, we take a look at the New Guinea story, in Port Moresby itself.

You will remember from the previous program on this topic that the first wireless station located at Port Moresby in the Papua section of New Guinea was a temporary facility erected on Paga Hill in March 1911. A permanent spark wireless station was erected on the edge of Port Moresby two years later. This permanent 5 kw. electrical transmitter was constructed from equipment provided by Father Shaw and his wireless factory on the edge of Sydney in Australia.

Wireless station VIG in Port Moresby was installed for the purpose of Morse Code communication with shipping in the waters nearby to Port Moresby, for contact with Sydney with commercial traffic and government messages, and for inland communications throughout the eastern half of the island of New Guinea. The long distance communications with Australia were often handled via intermediate stations that relayed the Morse Code messages on to the next nearest wireless station. These intermediate relay stations were located at Cooktown and Townsville, on the Pacific coast in the northern areas of the state of Queensland.

In October 1915, all wireless stations throughout the Commonwealth of Australia and all neighboring islands were placed under the control of the Australian navy, which formed part of the British navy at the

time. It might be added that Port Moresby was a quite small town during this era, and it was described as having the character of a small outback town in Queensland.

Station VIG in Port Moresby was taken over by the Australian government soon after the end of World War I, though it was transferred back to the original owners, AWA, in 1922.

It was around the year 1925 that the spark wireless stations in coastal areas of Australia and nearby islands were modernized with the installation of electronic transmitters utilizing the recently introduced valves, or tubes, made in England and the United States. The Port Moresby station, along with all of the others in the maritime service throughout the South Pacific, was upgrade with the latest available electronic equipment.

In March 1931, AWA installed a high speed telegraph centre in Main Street, Port Moresby which keyed a new out-of-town facility that contained a 5 kw. transmitter and a three mast antenna system beamed on Sydney.

With the progress of the Pacific Conflict, the civilian population in the city of Port Moresby was evacuated to Australia in December 1941, and the main operating facility for the radio station was transferred into Wonga Cottage, at a place called Five Mile, which was of course 5 miles out of town. Wonga Cottage was in earlier times a quite famous vacation home for a wealthy family living in New Guinea.

That was the story of the AWA communication station VIG, from its earliest installation up to the early 1940s.

However, it so happened that AWA established another radio communication station in the province of Papua during this same era. It was an air radio facility for communication with aircraft and it was operated by AWA on behalf of the government Post & Telegraph Department.

Initially this station was on the air under the callsign VHPM, with the letters VH indicating an Australian aircraft facility and the letters PM obviously indicating Port Moresby. Following the initial series of test transmissions, the callsign was changed to VHSU.

Communication station VHPM/VHSU was heard in Australia, New Zealand and the United States when it was on the air with aircraft communications and also when it was in contact with a similar airways station located at the regional air strip near Salamaua in New Guinea. It was noted in Australia with traffic for various communication stations in New Guinea and Australia, and the messages were read very slowly, and sometimes specific words were spelled out.

Airways station VHPM/VHSU was active from September 1938 to around June 1940. There are no known QSLs from this station.

During this era around the middle of last century, the main AWA shortwave station at Port Moresby, station VIG, was often heard in the same three countries, Australia, New Zealand and the United States. On some occasions, it was noted with communication traffic, and on other occasions it was heard with program broadcasting.

Somewhat independent from the AWA shortwave facility was a new mediumwave station which was on the air under the Australian callsign 4PM, and shortwave station VIG sometimes carried a relay from this mediumwave counterpart for the benefit of distant listeners. Every now-and-again, an old QSL card from the AWA station VIG turns up, though these days they are quite rare.

Okay, then on the next occasion in this series of special features on radio broadcasting in New Guinea we will tell the story of the mediumwave station 4PM and its shortwave relay counterpart VIG.

## The Early Wireless Era in Pakistan

As we are so painfully aware these days, the Asian country of Pakistan features frequently in the bulletins of international news. The peoples of this country have undergone the ravages of warfare, the massive destruction of earthquakes, and the harsh realities of weather extremes, ranging from freezing blizzards to searingly hot summer winds.

It is an ancient land whose origins go back more than four thousand years to the time when a major civilization constructed large cities on the banks of the Indus River. Their writings have never been deciphered even to this day.

Even though the atlas does not seem to give us this picture, yet Pakistan is quite a

large country. It is sandwiched in between India and Afghanistan, and it extends one thousand miles from the tropical Arabian Gulf to the high wintry mountains on the edge of the Himalayas. Their capital city is the modern Islamabad, their largest city is commercial Karachi, and their total population is in excess of one hundred million.

The national language of Pakistan is Urdu, written with a variation of the Arabic script, though large numbers of the people, particularly the educated younger people, also speak English. In addition, there are also many regional languages, such as Punjabi, Sindhi, Baluchi, and several mountain tribal languages.

The development of wireless communication took place quite early in Pakistan, though in those days these areas were still provinces, or states, within what was then the old British India. These stations operated under the early primitive system of wireless communication, using electrical, spark transmitters and Morse Code.

History tells us that the first wireless station that was erected in the territory of Pakistan was located in the port city of Karachi and it was on the air under the callsign WKR. In those days, callsigns had not yet been regularized on an international basis, and it would appear that the letters "WKR" did have a meaning: the letter "W" indicating "Wireless," and the letters "KR" standing for "Karachi Radio." This station was inaugurated for Morse Code communication with shipping and for regional communication within British India in the year 1913.

Interestingly, it would appear that another similar station was established in Lahore around the same era, though there are no known records listing this facility. What happened was that an Italian explorer on an expedition to Central Asia frequently determined his exact location, his longitude, by means of wireless signals transmitted from Lahore. If that information is correct, then we could guess that the wireless station in Lahore might have had a similar callsign to the station already on the air in Karachi. The Morse Code identification for the station in Lahore station could then have been, "WLR," standing for "Wireless, Lahore Radio."

The official lists of wireless stations throughout the world inform us that a series of four new wireless stations were installed in major cities of Pakistan, soon after the end of World War I, all in the

year 1919. By this time, international radio conferences had allocated regularized callsigns for wireless and radio stations in each country throughout the world, and British India was allocated callsigns beginning with the letter V, honoring the magnificent and lengthy reign of her majesty Queen Victoria.

These new wireless stations in Pakistan were identified as:

VWK Karachi

VWP Peshawar

VWQ Quetta

VWL Lahore

Just a few years later, all of these spark wireless stations were upgraded to valve, or tube operation, and new callsigns were granted to each, as the 1933 list shows. Thus the station in

Karachi became VVK

Peshawar VVP

Quetta VVQ

Lahore VVL

Interestingly, around this era, two additional radio communication stations were installed in Karachi, one for communication and the other for direction finding; and an additional new station was installed up north in Rawalpindi under the callsign VVX.

Thus it was, back in the late 1930s, that there was now a total of seven communication radio stations on the air throughout the territory that is now known as Pakistan. 

# Listener's Notebook

At Quaglieri • P.O. Box 888 • Albany, NY 12201-0888 • listenersnotebook@gmail.com

**ANGOLA** 4949.76 *Radio Nacional de Angola*, Mulenvos, 1845-1950, May 23, Portuguese ann, Afropop, 1900 time signal news, reports and talk, not heard since Dec 2008! Also tentatively heard at 2208-0045, May 16 and 22/23, football commentaries, talks and native songs by choir. (Mndez, Spain and Petersen, Denmark/DSWCI DX-Window)

**ARGENTINA** 6214.47 *Radio Baluarte*, Puerto Iguazu, 1035-1043, May 09, "Portuol" (Portuguese/Spanish mix), religious program, talk. (Slaen, Argentina). Has not been reported heard since Sep 2008! (Petersen) (DSWCI DX-Window/Petersen - Denmark)

**AUSTRALIA** Additional frequency of *Radio Australia*:  
0000-0200 English 17665 DRW  
(DX MIX - Bulgaria)

**BRAZIL** 5045 *Radio Guaruj Paulista*, Guaruj, SP, 1001-1025, May 08, Portuguese relaying news program *Jornal da Manh* of R Jovem Pan 620 MW of Sao Paulo, SP as "Jovem Pan Sat" with some censored ID "Guaruj Paulista" on relaying. Bad audio when relaying but good when originated from their studio (checked later at 1045 when relaying was over). (Otvio). Also heard at 2026-2030, May 08, reactivated! (Azevedo, Brazil).

This station has been inactive again, but returned now to the air which is great news for lovers of the world of the Tropical Wave, because it is an excellent provider of QSLs. I know personally the owner (Mr. Orivaldo Rampazzo) who is a radio enthusiast. He had told me, that it was temporary off the air. They had plans to return to the Tropical Waves ... and that actually occurred. I talked with Orivaldo Rampazzo, last night, May 08, by phone, and he gave me information on the return of the transmission on Tropical Waves: Transmission of 24 hours daily. Correct name: ZYG 850 Rdio Guaruj Paulista on 5045 kHz. They have no further connection with the network Globo Radio. Location of Transmitter: Guaruj, Sao Paulo, Latitude: -23 59' 35 " Longitude -46 15' 23". Power: 1 kW. Radio Guaruj Paulista also transmits on 1550 MW, but with a programming different from 5045. (Azevedo, Brazil) (DSWCI DX-Window/Petersen - Denmark)

5050 *Radio Cidade* (tentative), Juiz de Fora, 1001-1011, May 02 and 05, Portuguese talks, news program about list of countries with people infected by vrus, Europe coming to a social crisis, "Manh Legal" program ann. ID: "Radio Cidade 1010 kHz", "Manh Legal com Luiz Correa, um oferecimento CEMIG, a melhor energia", "bom dia Juiz de Fora!", sertanejo music. Many other mentions about "Rdio Cidade 1010 kHz", "Juiz de Fora." According to Lista de Emissoras OM/OT/OC - Brasil of DX Clube do Paran (and WRTH 2009. Ed), 1010MW in Juiz de Fora is named: "Radio Solar AM". (Otvio, Brazil) (DSWCI DX-Window/Petersen - Denmark)

**CANADA** Updated summer A-09 schedule of *Radio Canada International*:

0000-0100	Chinese	9690 11895
0000-0100	English	11700
0000-0100	Spanish	11990 13725
0005-0105	English	6100
0100-0200	English	9620
0105-0205	Chinese	6100
0200-0300	Arabic	5840 5950
0200-0300	Spanish	9755 13710
0205-0305	Spanish	6100
0300-0400	Arabic	7230 9520
1105-1205	Arabic	7325
1205-1305	Spanish	7325
1305-1405	Chinese	7325
1405-1505	Russian	9515
1500-1530	Russian	11935 15325
1500-1600	Chinese	6110 11805
1500-1600	English	11675 17720
1505-1705	English	9800 DRM
1505-1905	English	9515
1600-1630	Russian	11935 15325
1700-1800	English	5850 Sa/Su
1700-1800	French	5850 Fr
1705-1905	French	9800 DRM
1800-1900	English	9530 11765 17735 17810
1900-2000	Arabic	15180 15235
1900-2000	French	11765 13730 15320 17735
1905-2005	Arabic	9515
2000-2100	English	15235 17735
2005-2105	French	9515
2100-2130	Portuguese	17860 Fr-Su
2100-2200	English	9800 DRM
2100-2200	French	9490 13650 15330 15235 17735
2105-2205	Chinese	9515
2130-2200	Portuguese	15455 17860 Fr-Su
2200-2300	Chinese	9525 9870
2200-2300	Portuguese	17860 Fr-Su
2200-2400	Spanish	11990 15455
2205-2305	Spanish	6100
2300-2330	French	9525

2300-2330 Portuguese 13710 Fr-Su  
2305-0005 English 6100 Mo-Fr  
2305-0005 Portuguese 6100 Sa/Su

(DX MIX - Bulgaria)

## CENTRAL AFRICAN REPUBLIC A

reminder of the DX station no one can hear, **Radio ICDI** on 6030, general info from their illustrated website <http://www.icdiinternational.org/radio.html> also with a coverage map showing part of CAR, and bits of neighboring countries only. Co-channel Ethiopia, DentreCuban jamming and Mart don't help at all on this frequency, nor does the lack of specific schedule info for ICDI.

### Short-Wave Radio

Communication technology in the Central African Republic is decades behind most of the world. In the capital city of Bangui there are a few opportunities to connect to the outside world through internet cafs and cell phones. With little telephone, no television, no newspaper, and no mail service outside the capital city, the general population receives practically ALL of its information via radio. It is interesting to note that every village has a radio—most have more than one. Radios purchased from countries like Nigeria and Niger are very affordable. They cover FM, shortwave, and mediumwave bands. Prices starting around \$6 make this method of communication affordable for a large percentage of the population—everyone listens to the radio!

Until the end of 2005 there was only one government-owned shortwave station and six FM stations run by private organizations. In December 2005 ICDI was granted permission to open the first privately owned shortwave radio station, Radio ICDI. (Several shortwave stations outside of the country [BBC, France One, and a few Arabic stations from northern Africa] are also heard satisfactorily by listeners in the CAR.) Radio ICDI is also the first privately owned station transmitting in Sango (the trade language) as well as in French. In the future, ICDI plans to include special programming for some of the people groups in the country who have difficulties understanding both French and Sango.

Early in 2006 ICDI purchased an eight acre portion of land on the plateau above the town of Boali. During that year, two containers were moved to the property, electricity and a road were run to the site, and a fence and a guard house were constructed. In February 2007 a team of

HCJB engineers from the HCJB Engineering Center in Elkhart, Indiana made a three-week trip to Boali to install a one kilowatt transmitter, shortwave antenna, transmitter studio, and two satellite antennas: one for accessing the Internet and the other for accessing French program sources via Trans World Radio. Radio ICDI was commissioned and started broadcasting at a dedication ceremony February 22, 2007 and is currently transmitting programs on 6.03 megahertz.

Radio ICDI can be heard by villagers across the country, giving ICDI the perfect means to communicate information on AIDS prevention, orphan care, well repair programs, and many other community development initiatives. Already, Radio ICDI is regarded by many in the country to be the people's radio station—the people of the Central African Republic have expressed a real ownership in ICDI and its programs (via Hauser, OK/DX Listening Digest)

## CHILE Frequency change of *Voz Crista/La Voz*:

1200-2300 Spanish 17680 SGO, ex 1200-0200  
2300-0200 Spanish NF 11665 SGO, ex 17680

(DX MIX - Bulgaria)

## CHINA Frequency changes of *China National Radio* in 41 mb:

### *PBS Xinjiang*

0300-1200 Chinese NF 7260 URU, ex 7155  
0330-0530 Kyrgyz NF 7295 URU, ex 7120  
1030-1230 Kyrgyz NF 7295 URU, ex 7120  
1230-1800 Uyghur NF 7205 URU, ex 7195  
2330-0300 Uyghur NF 7205 URU, ex 7195

### *PBS Nei Menqqu*

2200-1700 Chinese NF 7420 HUH, ex  
7165  
2200-1700 Mongolian NF 6040 HUH, ex  
7210

### *PBS Xizang*

0900-1800 NF 7450 LHA, ex 7170  
1000-1800 Tibetan NF 7255 LHA, ex 7125  
2000-0300 NF 7450 LHA, ex 7170  
2100-0200 Tibetan NF 7255 LHA, ex 7125

(DX MIX - Bulgaria)

**COLOMBIA** 5587.1 *Radio Juventud*, 0030-0230\* approximately, Jun 07, caught this pirate Colombian with musical ballads from years 70's and 80's. Mentioned transmission on FM 104.7 and on SW 5590.

E-mail: [radiojuventud2009@hotmail.com](mailto:radiojuventud2009@hotmail.com)

Recording on: <http://www.goeat.com/listen/c4edb68/Radio-Juventud-5587.1-Khz-Rafael-Rodriguez>.  
(Rodriguez). (DSWCI DX-Window/Petersen - Denmark)

**CZECH REPUBLIC** Summer A-09 of *Radio Prague*:

0000-0027 English 7345 9440  
 0000-0027 Spanish 7275 ASC  
 0030-0057 Spanish 7345 9440  
 0100-0127 English 6200 7345  
 0130-0157 Czech 6200 7345  
 0200-0227 Spanish 6200 7345  
 0230-0257 Czech 7345 9870  
 0300-0327 English 7345 9870  
 0330-0357 English 9445 11600  
 0330-0357 English 6080 SAC  
 0400-0427 Russian 9445 11600  
 0430-0457 Spanish 9955 RMI  
 0600-0627 French 5930 7345  
 0630-0657 German 5930 7345  
 0700-0727 English 9880 11600  
 0730-0757 French 9880 11600  
 0800-0827 Spanish 11600 15710  
 0830-0857 Czech 11600 15710  
 0900-0927 English 9955 RMI  
 0900-0927 English 9880 21745  
 0930-0957 Czech 9880 21745  
 0930-0957 Spanish 9955 RMI  
 1000-1027 German 6055 9880  
 1030-1057 English 9880 11665  
 1100-1127 Czech 11665 15710  
 1130-1157 Russian 11665 15710  
 1200-1227 German 6055 7345  
 1230-1257 Czech 6055 7345  
 1300-1327 English 13580 17540  
 1300-1327 German 9850 WOF Fr/Sa in DRM  
 1330-1357 English 9850 WOF Fr/Sa in DRM  
 1330-1357 French 13580 17540  
 1400-1427 English 9955 RMI  
 1400-1427 Spanish 11625 13580  
 1430-1457 Russian 7345 13580  
 1500-1527 German 5930  
 1530-1557 Czech 5930 17485  
 1600-1627 English 5930 17485  
 1630-1657 French 5930 17485  
 1630-1657 German 11700 SIN in DRM  
 1630-1657 Russian 5930 17485  
 1700-1727 English 5930 17485  
 1730-1757 Czech 5930 17485  
 1800-1827 Russian 5840 DB  
 1800-1827 Spanish 5930 13580  
 1830-1857 French 5930 13580  
 1900-1927 Spanish 5930 13580  
 1930-1957 Czech 5930 11600  
 2000-2027 English 5930 11600  
 2030-2057 Spanish 5930 11600  
 2100-2127 Czech 9410 11600  
 2130-2157 English 9410 11600  
 2200-2227 French 7345 9415  
 2230-2257 English 7345 9415  
 2300-2327 Spanish 7345 9415

2330-2357 Czech 7345 9440  
 2330-2357 Spanish 11730 SAC

ASC=Ascension Island  
 DB=Dushanbe, Tajikistan  
 RMI=WRMI, USA  
 SAC=Sackville, Canada  
 SIN=Sines, Portugal  
 WOF=Wooferton, UK  
 (DX MIX - Bulgaria)

**FRANCE** Frequency changes of *Radio France International*:

0400-0500 French NF 9790 ISS, ex  
 11700 // 7265  
 0500-0530 English NF 11995 ISS, ex  
 15160 // 13680  
 (DX MIX - Bulgaria)

**GERMANY** Frequency changes of *Deutsche Welle*:

0300-0400 Swahili NF 7240 DHA, ex  
 9790  
 0400-0530 English NF 6180 SIN, ex  
 7430  
 0500-0530 English NF 7430 RMP, ex  
 9440  
 1400-1600 Russian NF 15510 RMP, ex  
 15265  
 1600-1700 French NF 11835 KIG, ex  
 11625  
 1900-1930 English NF 13650 TRM, ex  
 15620  
 1930-2000 Portuguese NF 13650, ex 15620  
 2000-2100 English NF 13650 TRM, ex  
 15205  
 2200-2400 German NF 9730 KIG, ex  
 9430  
 2200-2400 German NF 17820 HRI,  
 add.freq

(DX MIX - Bulgaria)

**GERMANY (non)** New schedule for *Voice of Oromia Liberation Front*:

1600-1630 Oromo 11760 WER Su/Tu/Th,  
 ex JUL

Frequency change of *Cheetah Radio*:

1600-1700 English NF 11730, ex 11885  
 (DX MIX - Bulgaria)

**IRAN** Updated summer A-09 schedule of *VOIROI/IRIB*:

0030-0127 Bengali 5950 7325  
 0030-0227 Spanish 9655 9905  
 0100-0227 Tajik 6175 7285  
 0130-0227 English 7235 9495 Voice of  
 Justice  
 0130-0227 Kazakh 7360 9790  
 0130-0227 Urdu 7325 9480 9845  
 0230-0257 Hindi 15165 17635

0230-0257 Uzbek 9740 11945  
 0230-0327 Arabic 6025 11665(x 11655)  
 0230-0327 Pashto 7360 9605  
 0230-0327 Spanish 9905  
 0230-0527 Arabic 7350 Al-Quds TV  
 0300-0327 Armenian 7255 12025  
 0300-0327 Russian 9650 11925  
 0300-0627 Dari 11910 13740  
 0330-0427 Arabic 9610 11875 Voice of  
 Palestine  
 0330-0427 Kurdish 7255 9905 Sorrani  
 dialect  
 0330-0527 Arabic 6025 6175 11665(x  
 11655)  
 0330-0527 Azeri 13710  
 0400-0457 Swahili 15265 15340  
 0430-0457 Hebrew 9610 11875  
 0430-0557 Turkish 11685 13640  
 0500-0527 Russian 9855 13750 17595  
 17655  
 0530-0627 Bosnian 13750 15235  
 0530-0627 Spanish 15530 17785  
 0530-0827 Arabic 13790 13800 15150  
 0600-0657 Hausa 17810 17870  
 0630-0727 Albanian 13810 15235  
 0630-0727 French 13750 15430  
 0630-0727 Italian \*9770 13620 15085  
 0730-0827 German 15085 15430  
 0730-0827 Pashto 11990 15440  
 0830-0927 Bengali 11705  
 0830-0927 Swahili 15240 17660  
 0830-1027 Arabic 9885 13800 15150  
 0830-1157 Dari 9940 11975 13720  
 0930-0957 Armenian 9695 15260  
 1030-1127 English 15600 17660  
 1030-1427 Arabic 13790 13800 15150  
 1200-1227 Hebrew 13685 15240  
 1200-1257 Chinese 13735 15190 17635  
 17670  
 1200-1427 Dari 9940 13720  
 1230-1327 Indonesian 15200 17560  
 1230-1327 Pashto 6175 9790 11730  
 1300-1357 Kazakh 11665 13765  
 1300-1427 Urdu 6000 9665 11695  
 1330-1427 Japanese 13755 15555  
 1330-1627 Kurdish 5990 Kirmanji  
 dialect  
 1430-1527 Bengali 6130 9520 12085  
 1430-1527 Hindi 11955 13700  
 1430-1527 Pashto 5890  
 1430-1527 Russian \*5940 7360 9580  
 9900  
 1430-1627 Arabic 15150  
 1430-1657 Azeri 6000 6035  
 1500-1557 Uzbek 5945 9680  
 1530-1627 English 7305 9600  
 1530-1727 Urdu 5890  
 1600-1727 Tajik 5945 5955 6180  
 1600-1727 Turkish 7370 9870  
 1630-0227 Arabic 6025  
 1630-1727 Armenian 7230 9780  
 1630-1727 Pashto 6010 7200  
 1630-2027 Arabic 7350 Al-Quds TV  
 1700-1757 Russian 3985 7210

1730-1827 Bosnian 7295 9860  
 1730-1827 German \*5940 9940 15085  
 1730-1827 Swahili 7360 9655  
 1800-1857 Russian 6205 7235  
 1830-1927 Albanian 9545 9570  
 1830-1927 French \*5940 9940 13755  
 15085  
 1830-1927 Hausa 7370 9925  
 1930-1957 Italian 5910 7380  
 1930-2027 English \*5940 6205 7205  
 9800 9925  
 1930-2027 Russian 3985 7370  
 2030-2127 Albanian 9535 11830  
 2030-2127 Spanish \*6055 7300 9800  
 2100-2157 Japanese 9670 11765  
 2130-2227 Bosnian 7305 9810  
 2230-2327 Indonesian 5945 7310  
 2330-0027 Chinese 11740 11970 13715

\*via Sitkunai, Lithuania  
 (DX Mix - Bulgaria)

**MADAGASCAR** 6134.91 *RTVM* (presumed),  
 1406-1427, June 12. Thanks to a tip from  
 Dan Sheedy (So. Calif.), I heard them in  
 French; sounded like the news followed by  
 Hi-Li music; started out fair but faded down  
 to very poor. Was unable to hear the  
 parallel 7105 that Dan has been hearing. For  
 me PBS Nei Menggu on 7105 is just too  
 strong to catch anything under them. Dan  
 noted a sign-off at 1446 on June 7 (Ron  
 Howard, CA/DX Listening Digest/Hauser-OK)

**MONACO** Since May 04, news bulletins  
 produced by *Radio Monaco* are broadcast on  
 short wave by Monaco Radio (Naya). The  
 frequencies are: 4363, 8728, 13146, 17260  
 kHz USB. It is a live relay at 0700 and 1100  
 for around 3 minutes. Radio Monaco is a  
 local station from Monaco on FM 95.4 MHz  
 for all Cte d'Azur, 98.2 MHz for Monaco and  
 103.2 MHz for Grasse area (France) where  
 95.4 MHz is not received. Location: Gildo  
 Pastor Center, 7 rue du Gabian, MC- 98000,  
 Monaco.

There are still Weather Reports made by  
 Monaco Radio and Mto France. Same  
 frequencies, time are: 0730, 0800, 0930,  
 1030, 1203, 1730. Location: Monaco Radio  
 Naya Sarl, 1 Chemin du Fort Antoine, MC-  
 98000, Monaco; info@naya.mc . The short  
 wave transmitters are in FONTBONNE (near  
 TWR's one). (Ghibauda)  
 (DSWCI DX-Window/Petersen - Denmark)

**NETHERLANDS** Additional frequency of  
*RNW*:

2300-2357 Spanish 9495 GUF  
 (DX MIX - Bulgaria)

**PERU** 4789.6 *Radio Atlantida*, Iquitos, 2315, Jun 13, Spanish ann, music, good. (Pavanello, Italy). Reactivated? (DSWCI DX-Window/Petersen - Denmark)

**PHILIPPINES** Summer A-09 of *Radio Veritas Asia*:

0000-0027	Karen	11935
0000-0027	Sinhala	9865 11730
0030-0057	Bengali	11945
0030-0057	Hindi	11710
0030-0057	Tamil	11935
0100-0127	Telugu	15530
0100-0127	Urdu	15280 17860
0130-0200	Zomi-Chin	15520
0130-0227	Russian	17830
0130-0230	Vietnamese	15530
1000-1157	Mandarin	9615
1030-1127	Vietnamese	11850
1130-1157	Burmese	15450
1200-1227	Hmong	11935
1200-1230	Karen	15225
1230-1257	Kachin	15225
1300-1327	Vietnamese	11850
1330-1400	Hindi	11870
1330-1400	Sinhala	9520
1400-1427	Tamil	9520
1400-1430	Bengali	11870
1430-1457	Telugu	9585
1430-1457	Urdu	11870
1500-1530	Filipino	9615 Mo/Tu/Th/Sa
1500-1600	Filipino	9615 We/Fr/Su
1500-1600	Russian	9570
2100-2257	Mandarin	6115
2300-2327	Filipino	9720
2330-2357	Burmese	9720
2330-2357	Kachin	9645
2330-2357	Vietnamese	9670

(DX MIX - Bulgaria)

**ROMANIA** Frequency changes of *Radio Romania International*:

0100-0156	French	NF 6080 TIG, ex 9560
0530-0556	English	NF 17760 TIG, ex 17770
0900-0956	Romanian	NF 15240 GAL, ex 15250 Su
1000-1056	French	NF 15240 GAL, ex 15250
1400-1456	Arabic	NF 9810 GAL, ex 9605
1730-1756	Serbian	NF 6125 TIG, ex 6105
1930-1956	Serbian	NF 6125 TIG, ex 6145
2030-2056	English	NF 9690 TIG, ex 15465

(DX Mix - Bulgaria)

**RUSSIA (non)** Summer A-09 of *WYFR Family Radio* via TRW:

1000-1100	English	9450 IRK
1000-1100	Japanese	7245 K/A
1100-1200	Cantonese	9460 P.K
1100-1200	Illocano	9900 VLD
1100-1200	Indonesian	13850 VLD
1100-1200	Korean	9450 IRK
1100-1400	Chinese	9865 P.K 11725 P.K
1200-1300	Cebuano	9465 IRK
1200-1300	Korean	5970 K/A
1200-1300	Russian	11855 DB
1200-1300	Tagalog	13850 VLD
1200-1300	Thai	15490 NVS
1200-1400	Indonesian	9615 IRK
1200-1400	Vietnamese	11895 IRK
1300-1400	Burmese	11520 A-A
1300-1500	English	13810 A-A
1400-1500	English	9365 TAC 9615 IRK 9865 P.K 11725 P.K
1400-1500	Nepali	7215 IRK
1400-1500	Punjabi	9405 ARM
1400-1600	Urdu	12065 ARM
1400-1700	Hindi	5845 DB
1500-1600	Marathi	11655 ARM
1500-1600	Punjabi	11505 ERV
1500-1600	Urdu	9500 NVS
1600-1700	Punjabi	9735 ARM
1600-1700	Urdu	11505 ERV
1600-1700	Urdu	11630 ARM
1800-1900	English	9405 ARM
1800-1900	German	7320 ARM
1800-1900	Polish	9615 SAM
1900-2000	German	7320 SAM
1900-2000	Italian	9490 MSK
1900-2100	French	12060 ARM
2100-2200	English	7430 KCH

(DX MIX - Bulgaria)

**SAUDI ARABIA** Summer A-09 of *BSKSA*:

0300-0600	Arabic-2	9580 JED 9675 RIY
0300-0600	Arabic-HQ	15170 RIY 17895 RIY
0400-0655	Swahili	15285 RIY
0600-0800	Arabic-HQ	15380 RIY 17895 RIY
0600-0900	Arabic-1	17730 RIY 17740 RIY
0600-0900	Arabic-2	9675 RIY 11855 JED
0800-0900	Arabic-HQ	15380 RIY
0800-0955	French	17785 RIY
0900-1155	Indonesian	21670 RIY
0900-1200	Arabic-1	17805 RIY 21705 RIY
0900-1200	Arabic-HQ	11935 RIY 17615 RIY 21495 RIY
0900-1700	Arabic-2	11855 JED
1000-1225	English	15250 RIY
1200-1300	Arabic-HQ	15380 RIY 17895 RIY 21600 RIY

1200-1455	Urdu	13775 RIY
1200-1500	Arabic-1	21505 RIY 21640 RIY
1200-1555	Bengali	15120 RIY
1300-1400	Arabic-HQ	15380 RIY 17895 RIY 21460 RIY 21600 RIY
1400-1500	Arabic-HQ	17895 RIY 21460 RIY
1400-1755	French	17660 RIY
1500-1600	Arabic-HQ	13710 RIY 21460 RIY
1500-1700	Arabic-COI	15225 RIY
1500-1700	Arabic-COI	15435 RIY
1500-1755	Farsi	7240 RIY
1500-1755	various*	9640 RIY
1600-1800	Arabic-HQ	13710 RIY 15205 RIY 17560 RIY
1700-1800	Arabic-1	15225 RIY 15435 RIY
1700-2155	Arabic-2	9580 JED
1800-2300	Arabic-1	9555 RIY 9870 RIY
1800-2300	Arabic-HQ	11820 RIY 11915 RIY 11930 RIY

\* Turkmen/Uzbek/Tajik  
Arabic-1 = First Program  
Arabic-2 = Second Program  
Arabic-COI = Call Of Islam  
Arabic-HQ = Holy Qura'n  
(DX MIX - Bulgaria)

### SLOVAKIA (non) NEXUS-IBA IRRS

Shortwave - EGR:

1800-2000	English	7290 RSO Fr-Su, ex 1800-2100
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(DX MIX - Bulgaria)

**TAJIKISTAN** New 4775.08, 0230-0245 02.05, **Tajik Radio 1**, Yangiyul Tajik announcement, typical folkmusic, reading a poem "In jo ...", talk, drift from 4765. (Petersen, Denmark via Monferini, playdx/DX Listening Digest/Hauser-OK)

### UNITED KINGDOM Additional transmissions of BBC:

0600-1000	Farsi	11860 DHA 15725 CYP
1200-1400	Farsi	15650 RMP 17530 RMP
1400-1500	Farsi	15215 RMP 17530
1500-1600	Farsi	13840 RMP 15550
1700-1800	Farsi	9810 SNG 13845
1800-1900	Farsi	6125 DHA 13845 RMP
1830-1900	African*	5905 SLA 9590 CYP 11865 CYP
1900-2100	Farsi	5975 NAK 7270 CYP
2100-2200	Farsi	5875 CYP
2200-2300	Farsi	6185 CYP
2300-2400	Farsi	5875 CYP

\* Kinyarwanda/Kirundi

VT Communications changes:

### IRIN Radio:

1730-1800	Somali	NF 9840 DHA Sa-Th, ex 9865
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### SW Radio Africa:

1700-1900	English	4880 MEY
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### WYFR Family Radio:

1800-1900	Czech	9505 RMP, ex English
1800-1900	Igbo	11875 ASC, ex English

### IBRA Radio:

1800-1930	Arabic	NF 12070 WOF, ex 11980
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### TWR Africa:

1800-1815	Amharic	NF 5940 DHA Th/Fr, ex 9895
1800-1815	Tigrinya	NF 5940 DHA Mo-We, ex 9895
1800-1830	Kunama	NF 5940 DHA Su, ex 9895
1800-1830	Tigre	NF 5940 DHA Sa, ex 9895
1800-1845	Amharic	NF 5940 DHA Th/Fr, ex 9895
1800-1845	Tigrinya	NF 5940 DHA Mo-We, ex 9895
1815-1845	Tigrinya	NF 5940 DHA Mo-Fr, ex 9895
1830-1845	Amharic	NF 5940 DHA Su, ex 9895

### Somali Interactive Radio Instruction Program(x Mustaqbal):

0545-0615	Somali	15200 DHA, cancelled
0620-0650	Somali	15200 DHA, cancelled

### Voice of Free Radio to North Korea:

1600-1700	Korean	7520 TAC ex 1600-1630
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### RTE Radio One:

1930-2030	English	NF 6225, ex 6220
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(DX Mix - Bulgaria)

### UNITED STATES Updated summer A-09 schedule of World Harvest Radio:

WHRI Angel 1

0100-0200	5850 Mo-Fr
0100-0200	7315 Sa/Su
0200-0500	7315
0500-1100	11565
1100-1400	7315
1400-1600	15195
1600-1700	17520
1700-1800	17520 Su-Fr
1700-1800	9495 Sa
1800-1900	17520
1900-2000	15665 Mo-Th <b>Demitse Tewahedo</b> in Amharic
1900-2000	Mo

1900-2000 17520 Fr-Su **Voice of Biafra International** in Igbo Fr  
 2000-2100 7520 Mo-Fr  
 2000-2100 15665 Sa  
 2000-2100 9495 Su  
 2100-2300 11885  
 2300-0100 7315

WHRI Angel 2

0000-0400 7385  
 0400-0500 5850 Su-Fr  
 0400-0500 9825 Sa  
 0500-0600 7390 Mo-Sa  
 0500-0600 7365 Su  
 0600-0700 7365  
 0700-0800 7390  
 0800-0900 11565  
 0900-1000 9425 Su-Fr  
 0900-1000 7465 Sa  
 1000-1200 9425 **Deutsche Welle** in German  
 1200-1300 9410 **BBC** in Spanish Mo-Fr  
 1300-1600 9840 Sa/Su  
 1600-1700 9840  
 1700-1800 9840 Su-Fr  
 1700-1800 17520 Sa  
 1800-2000 9840  
 2000-2100 15665  
 2100-2200 15665 Mo-Sa  
 2100-2200 9690 Su  
 2200-2300 11885 Sa/Su  
 2200-2400 17820 **Deutsche Welle** in German Mo-Fr  
 2300-2400 9615 Sa/Su

T8WH Angel 3

0700-1500 9930 **Sound of Hope Radio** in Chinese 1200-1500 Mo-Fr  
 1500-1800 9905 **Radio Free Asia** in Chinese  
 1800-2200 9905 **Radio Free Asia** in Chinese 1900-2200

T8WH Angel 4

0100-0300 15710  
 0300-1200 15700  
 1200-1300 12130 **Hoa-Mai Radio** in Vietnamese 1200-1230 Tu/Th/Sa  
 1300-1400 11685 **Democratic Voice of Burma** in Burmese  
 1400-2300 9965 **Nippon no Kaze** in Japanese 1530-1600  
 2300-0100 15550 **Suaab Xaa Moo Zoo** in Hmong 2330-2400

WHRA Angel 5

0000-0500 7385  
 0500-0700 7390  
 0700-1100 11565  
 1100-1300 7315  
 1300-1600 15195 Sa/Su  
 1600-1900 17520

1900-2000 9840 **Demitse Tewahedo** in Amharic 1900-2000 Mo  
 2000-2100 15665  
 2100-2300 11885  
 2300-2400 9615

WHRI Angel 6

0700-1300 7385  
 1300-1400 11785 Sa/Su, **Hmong Lao Radio** in Lao Sa/Su  
 1400-1500 11785 Sa/Su, **Hmong World Christian Radio** in Lao  
 1400-1430 Sa  
 1500-1600 11785 Sa/Su  
 1600-2300 11785  
 2300-0700 5875

(DX MIX - Bulgaria)

Summer A-09 of **WEWN Global Catholic Radio**:

0000-0900 English 11520 EWN  
 0100-0500 Spanish 5810 EWN 11870 EWN  
 0500-1100 Spanish 7555 EWN 11870 EWN  
 0900-1200 English 11640 EWN  
 1100-1300 Spanish 7555 EWN 12050 EWN  
 1200-1500 English 11530 EWN  
 1300-1500 Spanish 11550 EWN 12050 EWN  
 1500-1700 Spanish 11520 EWN 11550 EWN  
 1500-2400 English 15610 EWN  
 1700-2200 Spanish 11550 EWN 17510 EWN  
 2200-0100 Spanish 5810 EWN 17510 EWN

(DX MIX - Bulgaria)

Frequency changes of **WYFR Family Radio**:

0100-0345 Portuguese NF 11550 YFR, ex 15190  
 0200-0400 Eng/Spanish NF 9385 YFR, ex 11855  
 2100-0100 Spanish NF 6915 YFR, ex 15215  
 2200-0100 Portuguese NF 7520 YFR, ex 15190  
 2300-0245 En/Port/Sp NF 11580 YFR, ex 17750  
 2300-0245 Sp/Sp/Port/Sp NF 11530 YFR, ex 17845

Additional transmission of **WYFR Family Radio** via Media Broadcast:  
 1400-1500 Sinhala 13660 WER

Frequency changes of IBB:

0300-0400 N.Caucasus\* NF 9435 LAM, ex 11530 **RL**  
 0330-0400 Somali NF 5945 SAO, new **VOA** transmission  
 0330-0400 Somali NF 12110 LAM, new **VOA** transmission  
 0330-0400 Somali NF 15430 BOT, new **VOA** transmission

0500-0530	Albanian	NF 5945 BIB, ex 9460 <b>VOA</b>	1000-1200	Tibetan	17750 RFA
1400-1500	Turkmen	NF 12075 BIB, ex 9685 <b>RL</b>	1000-1400	Farsi	7435 FAR
1500-1530	Uzbek	NF 12110 UDO, ex 7280 <b>VOA</b>	1130-1430	Dari/Pashto	15090 AFG
1700-1800	Georgian	NF 15455 BIB, ex 9530 <b>VOA</b>	1200-1230	Pashto	9310 DEE
1730-1800	Azeri	NF 5830 BIB, ex 5820 <b>VOA</b>	1200-1400	Tibetan	11590 RFA
1800-1830	Portuguese	NF 12080 GB Mo-Fr, ex 9815	1230-1330	Pashto	11550 AFG
1800-1830	Portuguese	NF 11960 MEY Mo- Fr, ex 6170 <b>VOA</b>	1330-1430	Dari	11550 AFG
1800-1830	Portuguese	NF 15730 MDC Mo- Fr, ex 7310 <b>VOA</b>	1400-1500	Farsi	5870 FAR
1900-2000	English	NF 6120 MEY, ex 5990 <b>VOA</b>	1400-1500	Tibetan	11975 RFA
			1430-1630	Pashto/Dari	15090 ASH
			1430-1830	Pashto/Dari	9335 ASH
			1500-1600	Tibetan	11550 RFA
			1500-1630	Farsi	11560 FAR
			1600-1700	Uzbek	7555 RFE
			1630-1830	Pashto/Dari	11565 ASH
			1630-1830	Pashto/Dari	11580 ASH
			1700-1800	Pashto	9310 DEE
			1800-2130	Farsi	5830 FAR
			1830-2030	Pashto/Dari	7555 ASH
			2030-0030	English	7555 VOA
			2200-2300	English	7460 VOA
			2300-2400	Tibetan	7500 RFA

\*Avari/Chechen/Chercassi

**Frequency change of VOA Radio Sawa Hello Darfur in Sudanese Arabic:**

0300-0330 NF 9650 SAO, ex 11635 // 4960  
SAO 5995 NAU

**Additional frequencies of RFE/RL Radio Farda in Farsi:**

0130-0200 5885 LAM  
0130-0830 15475 PHT  
0200-0230 5885 IRA  
0230-0300 5885 IRA  
0230-0400 9480 BIB  
0300-0500 9805 LAM  
0300-1200 5885 KWT  
0500-0930 7220 KWT  
0800-1200 17880 IRA  
0830-1130 15610 LAM  
1330-1400 15330 IRA  
1400-1500 5870 KWT  
1400-1800 15330 BIB  
1500-1630 11560 KWT  
1500-1630 15475 IRA  
1600-1700 7580 IRA  
1630-1730 15475 LAM

**Summer A-09 for IBB via Kuwait (KWT):**

0000-0100 Pashto 11535 DEE  
0000-0100 Urdu 7460 AAP  
0000-0230 Pashto 12015 DEE  
0030-0100 Pashto 7555 ASH  
0100-0200 English 7430 VOA  
0100-0300 Tibetan 9365 RFA  
0200-0530 Farsi 5860 FAR  
0230-0330 Pashto 12140 AFG  
0230-0430 Pashto/Dari 15690 AFG  
0300-0400 Turkmen 9555 RFE  
0300-1200 Farsi 5885 FAR  
0330-0530 Dari/Pashto 15680 AFG  
0430-0830 Pashto/Dari 17670 AFG  
0500-0930 Farsi 7220 FAR  
0600-0700 Tibetan 17780 RFA  
0730-0930 Dari/Pashto 15680 AFG  
1000-1100 Tibetan 21530 RFA

**AAP=Aap Ki Dunya**

**AFG=Radio Free Afghanistan**

**ASH=Radio Ashna**

**DEE=Deewa Radio**

**RFA=Radio Free Asia**

**RFE=Radio Liberty**

**FAR=Radio Farda**

**VOA=Voice of America**

(DX MIX - Bulgaria)

**Frequency change of AWR KSDA Agat Guam:**

1400-1500 Chin-Karen NF 11965 SDA, ex  
9560

**Frequency changes of KTWR Agana Guam:**

1230-1300 Kokbodorok NF 9910 TWR Mo-  
Fr, ex 11870  
1230-1300 Vietnamese NF 9605 TWR, ex  
9635 1100-1130  
1330-1400 Assamese NF 9340 TWR Mo-  
Fr, ex 12075

(DX MIX - Bulgaria)

**URUGUAY** 6125 Uruguayan sole active shortwave broadcasting station by now has gone inactive again. The carrier was low modulated resulting in unusable readability as monitored since ends of last year. The announcement that it was retired for repair was made SODRE's Radioactividades program on Sa May 23. SODRE authorities will keep at least this SW active. (Nigro, Uruguayen - DXplorer/DSWCI DX-Window/Petersen - Denmark) **SW**

# Pirate Radio Report

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Welcome to the July Edition of the NASWA Pirate Report!

I would like to start out by thanking Chris Lobdell for his years of service to NASWA, as well as the pirate community. Chris has been the Editor of this column for 11 years. Chris was also the founder of The Free Radio Weekly (FRW) and is the host of "Pirating with Cumbre". It would be difficult to say how many listeners Chris has lured into the pirate radio world over the years but it is certain that it is substantial. Chris will still be around and this Editor hopes that he will continue to be a contributor to this column and the community as a whole.

I would also like to thank Chris for his confidence in me by suggesting that I carry the NASWA Jolly Roger into the future. Chris has been around a long time and has always done an outstanding job! So, I have some big shoes to fill. I will do my best to exceed everyone's expectations in the future. Also, thank you to the head, movers and shakers at NASWA for their approval as well!

So, Chris good luck to you! And don't be a stranger!

Most of you may not know who I am so a brief introduction may be in order. I've been into SWL/ Dxing off and on since the early 70's. I'm not sure how I did it but until a few years ago I managed to do it without being aware of NASWA. I joined a few years ago and I am very glad that I did. I became interested in pirate radio a few years ago after attending The Pirate Radio Forum at the Winter Fest. Since then it has become some what of an obsession (just ask my wife).

In the pirate world I am known as "olddxer". I participate in various on-line forums and chat rooms. I am also the facilitator of the Columbus chapter of NASWA. We meet every 2nd Saturday of the month at Universal Radio.

## Privacy Policy

While writing this column (and in fact all my dealings in the pirate community) I operate under what might be called my "Prime Directive". In short this Directive is to "Do no harm" to the community. Part of my job as editor will be to provide information that is interesting, informative, and, useful to you the reader. So, in practice this is how the directive works.

In the world of information there are generally two sources of information private and public.

Any example of public information would be logs or information posted in public spaces Like the FRN, Alpha Lima, and information broadcasted by the ops.

Private information could be information posted in invitation only forums or chat rooms, personal communications via email or phone, interviews, etc.

It will be my policy that ANY information that has a private source will be handled in the following manner: Up front permission will be sought from the parties involved. Without this up front permission the information is off limits. If preliminary approval is granted and once I have a ready for print item containing that information all parties involved will be asked to review the material and approve, disapprove or ask for edits. Without full approval the item will not be printed. I will maintain a file of these approvals for each item.

In short the identity, location and other sensitive information regarding the ops and their operations WILL BE PROTECTED at all cost.

## What to expect in the future

We will continue along with the format that Chris has used but hopefully with some additions. I hope to bring you interviews

with some of the players in the pirate community as well as some other features. With your help we will continue to post pirate related logs, and will also include logs that are submitted to the "Flash Sheet".

We do need your support and all logs are appreciated. Your feedback is welcome as well. Let me know what you like or dislike, also what you would like to see in the future! I have set-up hfpirates@gmail.com for this purpose.

## News

**The Crystal Ship** has reappeared on the bands after an absence of about 10 months (my last log was 7/20/08)

The Poet says he is back but he is not sure how often he will be broadcasting. He will no longer respond to mail sent to his old Yahoo mail address. Instead, use tcshortwave@gmail.com. He is now set up to send E-QSLs

The deadline for the August column is July 23. So please have your logs to me prior to that.

Well this column has included a lot of administrative stuff. Next month we will be all about the pirates!

So, till then Good DXing, me maties.

And now the logs.

**Cactus Jack Radio**, 6910, (SPAIN), 6910, 0102-0122, May 24, English, Very, very weak. Copy was very difficult. (Rohde-OH)

**Captain Morgan**, 6.9246, USB, 2314-2348, June 14, played "Man on the Run" and various rock tunes. Closed with his signature ID "You're in the zone the pirate zone". (Smith-OH)

**Godzilla Radio**, 6925, USB, 1312-1325, June 6, Two characters talking to each other two young male voices, Godzilla sound effects, and other Godzilla related programming, 1325 off, Fair. (Rohde-OH)

**Grasscutter and Sunshine Radio** "June 12 1902- 1957. 6925, USB, Song "Whiter Shade of Pale" numerous IDs and shout outs to pirate OPs. SIO 333" (Smith-OH)

**Long Range Radio**, 6925, USB, 0125-0135\*, May 31. Continuous Warren Zevon tunes, fair at best w/ drawn-out, up-down "whoosh" QRM of sorts. (Barbour-NH)

**Outhouse Radio**, 6925, USB, 0056-0129+ 6/15/09 SIO=242. Program of rock mix w/a couple of clear Outhouse R. IDs by OM. (Zeller-OH)

**Radio Altrex**, Netherlands, noted on 6240 at 2305-2315 on June 12, very, very weak signal. Playing rock n roll, I was talking to the op during the broadcast on the net. Which aided in the ID (Rohde-OH)

**Radio GA-GA** 6925, USB, \*2354-0012\* 6/13-14/09 SIO=242. SSTV TX at open and close. Otherwise, a Johnny Cash song, a Steely Dan song, and then "Give Peace a Chance." very weak signal. (Zeller-OH)

**Radio Marlene**, 6925, USB, 0050-0112 on June 7, ID Radio Marlene broadcast from the "Jersey shore" music, "YMCA" SIO 433 (Smith-OH)

**Radio Mushroom** 6925, USB, \*0112-0138\* 6/20/09 SIO=232. Modest level in static. Prgm of rock mx such as Bowie's Suffragette City and also Radar Love. I had some trouble copying the ancd ID and addr, but there was a clear ID at QRT by OM. (Zeller-OH)

**Radio Station XXP**, 6925, USB, 0055-0122, Jun 13, "No Time Left For You", "have Marco walk the plank", the Doors "Hello", partying with WEAK and Evil Elvis, "Gimme three steps", "Hot Blooded", Still a strong 45444 here. (Rohde-OH)

**RED Rhino Radio**, 6925, USB, 0100- 0121, on June 14. ID's and rock (including lots of Rod Stewart). Signal improving throughout the broadcast. (Taylor- WI)

**The Crystal Ship**, 5385, 0226-0237+ 6/15/09 SIO=343. The Poet w/a program of rock

music by Yes and Hendrix. One military marching skit in the middle of the show. Good level. (Zeller-OH)

**WEAK Radio**, 6925, USB, 0112, Jun 8, some crazy music with what sounds like cartoon ducks, 0114 female WEAK ID a couple of Police tunes, punk, "we are good monkeys punk music, "we are going crazy, crazy" Rohde-OH)

**Voice of the Cat Butt**, 6925, USB, 0027, Jun 13, English, Was listening for this broadcast and had nothing, 0027 "I am Cat Butt", "I am Cat Butt", Huge signal and then into a weaker signal with a small child singing sounds bits like punk, "cat butt, this is cat butt", (Rohde-OH)

**Voice of the Robots**, 6925, USB \*0245-0303+ 6/20/09 SIO=242+. Prgm of robot-related rock mx. IDs were

sort of intentionally garbled in a robot-like vox. Gave addr of voiceoftherobots@gmail.com for reports. (Zeller-OH)

**Wolverine Radio**, 6925, USB, 0243, Jun 6, 0245 WolverineRadioID, "I'll be your Hoochie Coochie Man", Allman Brothers! "Whipping Post", "Frankenstein" Fair. (Rohde-OH)

**WTCR**, 6925, USB, 0320-0415, May 24. Yes songs and lots of other album rock. Good. (Taylor-WI)

**Voice of KAOS**, 6925, USB, \*0045-0112\* 6/6/09 SIO=242. Prgm of rock mx, announced as prgm #8. Discussion of 250,000 jobs lost in Detroit, causing chaos. (Zeller-OH)

Many thanks to this months log contributors: George Zeller, Harry Smith, Mark Taylor, and Scott Barbour Jr. 

## Contributors' Page

Bob Montgomery • 86 Pumpkin Hill Road • Levittown, PA 19056 • rmonty23@verizon.net

### DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

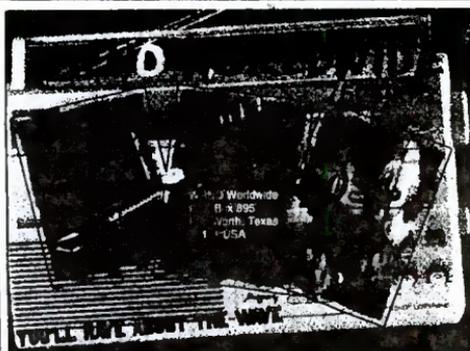
Bob FRASER, Belfast, ME  
Brian ALEXANDER, Mechanicsburg, PA  
Giovanni SERRA, Rome, ITALY  
Jerry STRAWMAN, Des Moines, IA  
Rich D'ANGELO, Wyomissing, PA  
William McGUIRE, Cheverly, MD  
Scott BARBOUR, Intervale, NH  
Joe WOOD, Gray, TN  
Ron HOWARD, Monterey, CA  
Jim EVANS, Germantown, TN  
Mark TAYLOR, Madison, WI  
Gerry DEXTER, Lake Geneva, WI  
Glenn HAUSER, Enid, OK  
Mike ROHDE, Columbus, OH  
Don JENSEN, Kenosha, WI  
Bruce BARKER, Broomall, PA

Sony ICF-2003 ICF-SW100S 2m LW  
TenTec RX-340 AOR AR-7030 100' LW  
NRD-525 AD Sloper  
R-8, 313e, 60 mtr dipole, mini whip  
TenTec R340, Lowe HF-150, DX Sloper  
DX-380  
R8, R-75, MLB-1, 200' Beverage  
DX-390, Grundig Mini 100 PE, whip antenna  
NRD545, LW 160', etón E5  
RX340, Drake R8B, 30 m wire  
R-75, Sat 800, G313E, E1  
NRD-515, NRD-545, etón E1  
FRG-7, DX-398, SW-07, ATS-909, YB400 lw  
Ten-Tec RX-340, Wellbrook ALA  
NRD-545, E1x, Alpha Delta Ultra  
NRD-535D, Alpha Delta Sloper



# QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



Here we go again with another QSL Column which will prove to be an eye opener...Sam.

## ANDORRA (Pirate): Camping Radio

\* 6215 f/d full color "Large Women on a Bicycle" cd. via email in 9 mos. after several f/up email rpts. to: campingradio@gmail.com. This is the same operator as Radio Barretina and Cactus Jack Radio. I was lucky to hear him when he was in Andorra for a very short period. (Vranes-WV)...I guess so...Sam

## BRASIL: Radio Clube do Para 4885

\* n/d confirmation ltr. post cd. station sticker, pennant and a lapel pin for one of the dozen or so rpts. I've sent over the years. Each rpt. contained an EG rpt., post card, some had IRCs or \$1.00s. Addr: Av. Almirante Barroso, N. 2190-3 Andar, Belem-Para, Brasil CEP 66095-000. (Wood-TN)...I've heard this from several other DXers. Years ago this station was quite good at replying to reports...Sam.

CANADA: CFRB 6070 f/d cd. in 2 mos. v/s Ian Sharp. Addr: 2 Saint Clair Avenue West, Toronto, ON M4V 1L6 Canada. (Barto-CT).

STATION NOTES: Voice of America 13710 via Talata Volondry Addr: Cohen Building, Room 3166, Washington DC 20237. Radio Polonia 9670 via Mt. Agel v/s Aleksander Kropiwnicki, Editor Addr: P.O. Box 46, 00-977 Warsaw, Poland.

THE NATIONAL STATE  
**TELERADIOCOMPANY**  
OF THE REPUBLIC OF BELARUS

radio-minsk <radiostation-Belarus@tvr.by>  
04/27/2006 06:41 AM

To rdangelo@gpu.com  
cc  
Subject letter

Dear Mr. Richard D'Angelo,

We've received your report from June, 23, 2004 just now, as well as your letter from April, 14, 2006.

Thank you for being in touch with our station. It's a puzzle for us why your report wasn't answered in time. Usually we give an immediate reply to all our listeners, as we value their attention to our radio station.

I promise to get in touch with you and confirm all your reports Please sent by mail or email. Sorry again for a belated answer. We confirm your report with pleasure:

Date: June 23, 2004  
Time: 02:18 - 02:43 UTC  
Frequency: 7210 kHz

Please, write to our station and listen to programs which won't disappoint you, I'm sure. We'll be extremely grateful to you for your comments on our broadcasts. It's possible listen to the station on the radio and via the Internet. And information about radio "Belarus" will be sent to you by mail.

Sincerely, Larisa Suarez.

977 Warsaw, Poland.  
Deutsche Welle 9545  
via Woofferton Addr:  
DE-53111, Bonn, Germany. Radio Nederland  
Wereldomroep 3955 via  
Skelton Addr: PO Box  
222, NL-1200 JG Hilversum, Netherlands.  
...via PLAY DX..Sam.

## CZECH REPUBLIC (Pirate):

### \* Radio Bila Hora

3333.27 date only, full color email cd. with a picture of a cat climbing over the transmitting equipment in 10 ds. for a rpt. to: rbh@email.cz (Vranes-WV).

## EURO PIRATE: Free Radio Service Holland 6220

via Mystery Radio f/d cd. w/ ltr. and a news ltr. in 2 mos. for ms and a postcard to: P. O. Box 2702. 6049 ZG



radio six international  
around the clock and around the world

**QSL**  
**7415kHz**

radio six international

PO Box 600, Glasgow, G41 5SH, Scotland  
http://www.radiosix.com

Dear Richard

We congratulate you on being one of the first listeners to our very first test transmissions on short wave from transmitters in the United States on THURSDAY 1<sup>st</sup> JULY 2004 between 0000 and 0200UTC.

Our transmitter QTH is 67 49N 46.20W - Monticello, Maine, United States. The frequency used was 7,415kHz with a TX power of 50W omnidirectional. Programmes were line fed to the transmitter from our studios in Glasgow, Scotland.

We are delighted to confirm your reception report from: Wyomissing, Philadelphia, USA

TONY CURRIE  
Programme Director  
radio six international

net/ Addr: WRMI, 175 Fontainebleau Blvd., Suite 1N4, Miami, FL 33172. Radio Taiwan International 5950 via WYFR WE: spanish.rti.org.tw/customerservice/ReceptionForm.aspx Voice of America 11840 via Greenville Email: letters@voa.gov WBOH 5920 v/s A. Robinson. Email: fbn@fbnradio.com WHRH 15705 v/s Liwi Vehorn WEB: www.wrh.org/index.cfm/fa/receiveus... Bangkok Meeo Radio 5676 v/s Jantima Niyomchok. Addr: 4353 Sukhumvit, Bangna, Bangkok 10260, Thailand. ...via PLAY DX...Sam.

Herten, The Netherlands. 500 watts. (Vranes WV).

**FRANCE: Polish Radio** 7345 f/d postcard w/ collage of sites in Warsaw in 61 ds. for \$1.00 along w/ a personal ltr. v/s Agnieszka Skieterska. (Wood-MA).

**GERMANY (PIRATE): Radio Dr. Tim** 6306 f/d cds., \* stickers, pennants, factsheets and the whole 9 yards in 4 mos. for ms. and 2 postcards to the SRS German address. Unfortunately, poor Doc has been raided since then. He has a very good pirate radio website. If you go to his site, you will find pictures of me and my 2 cats, my radio set-up and my little house in the forest on the mountain are on Doc's site at: [www.freeradio.de/dr/tim/wordpress/](http://www.freeradio.de/dr/tim/wordpress/). Click on gallery in the upper right corner and about half way down the page you'll see a link to my pics under my name. (Vranes-WV).

**MONGOLIA: Radio Free Asia** 11580 f/d "Year of the Ox" cd. w/ station sticker in 3 ds. for an email rpt. (Wood-MA).

-----  
**STATION NOTES: Radio Oriente Libre** 9955 via WRMI Radio Miami International v/s Jeff White, QSL Manager. WEB: www.wrmi.

*Indira calling*

-----  
**NETHERLANDS (Pirates): Radio Pionier** 6245 via Emmen nice freq. only \* full color cd. via email in 5 mos. after 2 f/up rpts. to: radio pionier@live.nl v/s Hennie. 100 watts. (Vranes-WV). Radio Zeelandia 6307.7 via Muntendam n/d email w/ photo of the studio and antenna in 5 mos. after a few f/up rpts. to: pa219ct@hotmail.com. The operator does

not understand EG very much. I chatted w/ him at: [www.easysshopdisco.untzone.com/radio/pirate/english/](http://www.easysshopdisco.untzone.com/radio/pirate/english/) w/ Radio Freebird International translating for both of us. I sent my last f/up to "Freebird" who translated my rpt. in to Dutch and forwarded it to Hans who in turn sent his Dutch reply to "Freebird" who sent it back to me in EG! \* (Vranes-WV). Radio Suzuki 6200 via Keuver n/d email in 1 day for a rpt. to: radiosuzuki

Channel Africa

thanks you for your reception report on their transmission from the Meyerton Transmitting Station

Date 16-12-01 Time (UTC) 1700...  
Frequency 17 870...kHz

**SENTECH**  
(Pty) Limited  
Private Bag X06  
Honeydew 2040  
South Africa

*Kathy Otto*

Johannesburg Transmitting Station

*Jerry Klinck*  
*11443 Big Tree Rd.*  
*E. Aurora, NY 14052*  
*USA*

### CONFIRMATION

We thank you for your reception report and have pleasure in confirming that this is in accordance with our scheduled programme

Date: 24.01.98

Time: 2046 - 2100 UTC

Frequency: 6265 kHz

Programme: Local language

Remarks: our transmitters are 26 km from the Studios. Also try our English channel on 6165 kHz. Yes, we would like to receive QSL Column. PATRICK NKOLA  
*for Director of Engineering  
Zambia National Broadcasting Corporation*

@hotmail.com. v/s Ronald  
70 watts. After sending  
my rpt. w/ m.s. and a  
postcard I got a postcard  
of "Limburg" also QSLing  
my reception and stating  
60 watts. (Vranes-WV).

\* Radio Contact 6321 n/d  
but very friendly email  
in 7 ds. for a rpt. to:  
radiocontact@gmail.com.  
v/s William. 30 watts.

\* (Vranes-WV). Radio Space  
man 3900 via Achterhoek  
very funny f/d full col-  
or cd., in 2 mos. for ms  
and a rpt. to: PO Box 73  
(Vranes-WV). Radio Con-

\* 7160 AB Neede, The Netherlands. 1000 watts. (Vranes-WV). Radio Continental 3930 via Bluestar Radio n/d email and a cd. in 1 mo. for an email rpt. to: continentalradio@hotmail.com. v/s Berry. (Vranes-WV). Relmus Radio 6210 via Holwerd email reply and a f/d cd. in 4 ds. for a rpt. to: relmusfm@hotmail.com. v/s Richard. 75 watts. (Vranes-WV).

NORWAY (Pirate): Radio Fox 48 3905 nice

\* f/d color cd. w/ a picture of a fox  
w/ studio photo and a local post-  
card in 3 mos. for ms. and 2 Harper  
Ferry postcards for a rpt. to the  
SRS German address: Postfach 101145  
99801 Eisenach. (Vranes-WV).

To: Scott R Barbour Jr.

This QSL card certifies that you heard KTWOR on:

DATE: 14 Feb 2002 TIME: 0814 FREQ: 15330 kHz

English

KTWOR Antenna Farm

Trans World Radio 

*Mollie*

### STATION NOTES: Eternal Good News

15525 via Abu Dhabi v/s George  
Bryan, Speaker. Addr: P.O. Box

5333, Edmond, OK 73083 Email: gabry@juno.com Radio Sawa Addr: Audience Relations Mail, 330 Independence Avenue, SW, Washington DC

20237 Radio Apintie 4990 v/s Charles Vervuurt, Director. Addr: Ver-  
lenge Gemeenlandsweg 37, P.O. Box 595, Paramaribo, Suriname... via  
PLAY DX...Sam.

 **CONACULTA**  
RADIO EDUCACIÓN

DIRECCIÓN GENERAL  
DE RADIO EDUCACIÓN  
DIRECCIÓN DE PRODUCCIÓN  
Y PLANEACIÓN  
SUBDIRECCIÓN DE PLANEACIÓN  
Y EVALUACIÓN  
DEPARTAMENTO DE AUDIENCIA Y  
EVALUACIÓN  
DAE-006/01

Mexico City, January 10, 2001

MR. GEORGE GLOTZBACH  
5 HERRADA CT.  
SANTA FE N.M.  
87506-4791  
USA

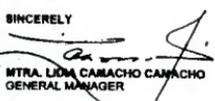
*Geotz*

Thanks a lot for the stamps. All the short wave team of Radio Educación wants to thank your sending, specially the integrants of the program El mundo de los sellos.

Your report is correct, and we are sending our QSL card. We hope you will like it.

Greetings to you and yours.

SINCERELY

  
MTRA. LIDIA CAMACHO CAMACHO  
GENERAL MANAGER

### SAINT HELENA: Radio Saint Helena

11092.5 f/d cd. in 184 ds. for  
an EG rpt. and 3 IRCs. v/s  
Gary Walters. The envelope has  
nicely cancelled stamps. Also  
rcvd. a nice note from Gary  
thanking me for my report.  
(Tilley-WA).

### SOMALILAND: Radio Hargeisa 7145

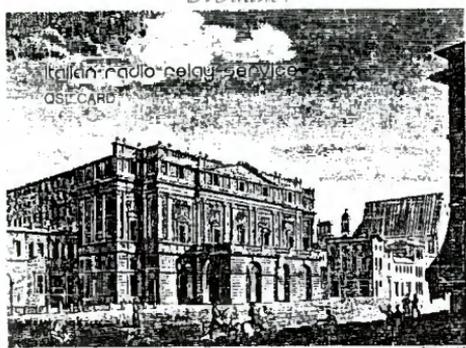
\* p/d "Studio Photo" cd. in 13  
ds. for a very tentative rpt.  
for an incredibly good recep-  
tion day to the Republic of  
Somaliland German Consulate at  
Zedernweg 6, D-50127 Bergheim,  
Germany. The v/s is a very well  
known German ham who organizes  
DX-peditions to very rare coun-  
tries. I also heard them about  
20 years ago but could never  
get a reply. (Vranes-WV).

### TAJIKISTAN: Radio Nederlands 5825

f/d cd. in 71 ds. "Canal in  
the Morning" (Tilley-WA).

### TIBET: China Tibet People's Broad-

casting Station 4820 f/d cd.  
in 4 mos. for a taped rpt. and  
\$.200. (Smith).



Italian radio relay service  
QSL CARD

Real Teatro  
della Scala?

Teatro Royal  
della Scala

**TINIAN: Voice of America 7575**  
f/d cd. w/ site in 115 ds.  
for a local post card and an  
applause cd. Also rcv'd. a  
very nice VOA calendar, a few  
station stickers and a pro-  
gram guide. Addr: Manager VOA  
IBB Robert E. Kamosa, Trans-  
mitter Site, PO Box 504969,  
Saipan, MP 96950 USA. The  
actual reply was mailed from  
Grime Island, NC. (Wood-TN).

**USA (Pirates): Voice of Kaos**  
6925 email and a f/d "Secret  
Agent" cd. in 4 hours for an  
email rpt. to: voiceofkaos@g  
mail.com. (Vranes-WV). **WEAK  
Radio 6925 2 f/d email QSL**  
cds. and a very friendly note  
a few hours later for a rpt.  
to: weakradio@gmail.com. (Vr-

anes-WV). **Dead Cat Radio 6925 f/d full color QSL "mousepad"** a real one  
in 1 mo. My email was sent to: cattusmortuus@gmail.com. The operator  
asked for my mailing address to send the QSL. This QSL ranks up at  
the top of all the QSLs I have ever rcv'd, right behind the "Captain  
Morgan" QSL clock! (Vranes-WV). **Yellow Rhino Radio 6925 f/d all yell-**  
ow "The Marco The Fake'O Show" email cd. in 1 day for an email rpt.  
to: yellowrhinoradio@gmail.com. (Vranes-WV). **Grey Rhino Radio 6925**  
f/d all gray cd. (you didn't think this one would be yellow!) featur-  
ing the music of the Cranberries in 1 day for an email rpt. to: grey  
rhinoradio@gmail.com. This station is part of the Pirate Shortwave

**STATION NOTES: RWM 4996 Time Signal Station** Addr: Russian State Time  
and Frequency Service, Institute of Metrology for Time and Space,  
(IMVP), GP "VNIIFTR", Moscow Region, Mendeleev  
141570, Russia. **WLAA 1680 La Que Buena** Addr: 1801  
Clarke Road, Ocoee, FL 34761-9023 WEB: www.  
quebuenaorla



ndo.com/ **WTAW**  
1620 v/s Ben  
Downs, Chief  
Operator. Addr:  
2700 Earl Rudder  
Freeway South,  
College Station, TX  
77845-5010 **WTJC 9370**  
v/s A. Robinson.  
Email: fbn@fbnradio.  
com...via PLAY DX..Sam

Radio Rhino Network. The  
operator later sent me  
an email and to several  
other reporters asking what  
color we'd suggest for the  
next Radio Rhino Network  
Show. I suggested Red. Red Rh-  
ino Radio just has a ring to  
it! (Vranes-WV).

Great Column this month. I have  
about 3 reports left but I'll save  
them for next month. Off to Montana  
and Yellowstone Park....Sam

*Sam*

中国珍稀濒危动物  
China's Endangered Rare Animals



小嘴长尾 小嘴长尾 Pygmy Lorikeet

中国国际广播电台  
CHINA RADIO INTERNATIONAL



# Tropical Band Loggings

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

- 2485 **AUSTRALIA VL8K** Katherine 0945-1000 Noted w/ threshold audio; deep fades; 6/5-6. (Wilkner-FL)
- 3220 **ECUADOR HCJB** Pifo 1000 Noted here during bandscan; strong; 5/25. (Wilkner-FL)
- 3240 **SWAZILAND TWR** Manzini 0326-0340\* M anc in listed Ndau lang; group choir vcls at 0336; brief instrumental mx followed by ID before instrumental mx briefly returned prior to carrier being cut; p-f; 6/4. (D'Angelo-PA)
- 3250 **HONDURAS R. Luz y Vida** San Luis 0247-0322 Soft relg mx followed by M anc in SS w/ relg talk; ID at 0312 after prg followed by ancments; ID & new prg; p-f; 5/28. (D'Angelo-PA)
- 3260 **PNG R. Madang** Madang 0910 Noted here during bandscan; again at 1030; 5/25. (Wilkner-FL)
- 3290 **PNG-NEW GUINEA TERRITORY R. Central** Boroko 0910 Noted here during bandscan; again at 1025; 5/25. (Wilkner-FL)
- 3315 **PNG-ADMIRALTY ISLANDS R. Manus** Lorengau 0910 Noted here during bandscan; again at 1030; 5/25. (Wilkner-FL)
- 3325 **INDONESIA RRI Palangkaraya** 1244-1320 Lively W DJ in Indo playing pop songs; QRM from (P) co-ch. Bougainville; 6/13. (Howard-CA)
- 3325 **PNG-BOUGAINVILLE R. Bougainville** Kuba 0910 Noted here during bandscan; again at 1035; 5/25. (Wilkner-FL)
- 3329.53 **PERU Ondas del Huallaga** Huánuco 1015-1034 Long talks by M & W anc but no mx this time; much improved sig; 5/29. (Wilkner-FL) 1000 Seems to be there most days; also at 0000; occ. good recep w/ noise reducing antenna & equipment; cf: Dallas Files; 3330-CHU notched on NRD535D; 6/6. (Wilkner-FL)
- 3335 **PNG-NEW GUINEA TERRITORY R. East Sepik** Wewak 0910 Noted here during bandscan; again at 1030; 5/25. (Wilkner-FL)
- 3340 **HONDURAS HRMI** Comayagüela 1030 Noted here during bandscan; again at 0000; 5/25-26. (Wilkner-FL)
- 3385 **PNG-NEW BRITAIN R. East New Britain** Rabaul 1000 Noted here during bandscan; again at 1050; 5/25. (Wilkner-FL) 1216-1336\* DJ in Tok Pisin playing EE pop songs; TCs ("20 To 11"); into relg sermon & relg songs; off mid-song; almost fair; 6/14. (Howard-CA)
- 4319U **DIEGO GARCIA AFN** 1411-1416 ABC nx; Air Force Network News w/ PSA for the military; 5/19. (Howard-CA)
- 4409.7 **BOLIVIA R. Eco** Reyes 0010-0025 Noted here w/ usual pulsating sig absent for once; 5/27. (Wilkner-FL) 4409.8 0000 Noted here during bandscan; best heard in LSB; 5/25. (Wilkner-FL) 4409.83 0030-0035 M en espanol; seems v. regular; on each evening; not heard 1000-1100; fair; no sign of the pulsating problems of past months; 6/6. (Wilkner-FL)
- 4412.59v **LAOS Lao National Radio** Sam Neua 1211-1233\* Clearly //6130; seemed to be nx in Laotian; brief s/off ancment & choral NA (Pheng Xat Lao); 6130 slightly better recep & continued on after 1233 w/ SE Asian mx; 6/13. Noted 1234\* on 6/12; (Howard-CA)
- 4451.2 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma [UTC?-ed] Not heard here in FL or by Lúcio Otávio Bobrowiec in Brasil; 5/25. (Wilkner-FL) 2335-2342 The one noted here; off at recheck; tnx log by Rogildo Fontenelle Aragão & monitoring by Lúcio Otávio Bobrowiec; 6/9. (Wilkner-FL) 2317-2339\* Threshold mx & M anc at times; deep fades; seems reactivated but not heard 1000-1100; happy to have them back; 6/10. (Wilkner-FL)
- 4460 **CHINA CNR-1** Beijing 2103-2110 W anc in CC over mx; ment. "Zhong Guo"; then talk; various ancments; (P) promos also mix w/ mx; best heard in SSB w/ S9+5 of peak; strong static crashes; poor w/ NIR12; //4800; 5/30. (Serra-Italy)
- 4749.95 **INDONESIA RRI Makassar** 1337-1356\* DJ in Indo playing dedications; almost fair; after s/off noted very weak CNR-1 on 4950; //5030; 6/14. (Howard-CA) [did you mean CNR 4750?-ed] 4750 1132 Mx & talk in Indo; so RRI Makassar is active if you listen soon enough at earliest sunrise; now 1114 here; CODAR QRM & also an other carrier slightly off-freq; Qinghai, Hailar or Dhaka ?; 6/3. (Hauser-OK)
- 4765.05 **TAJIKISTAN Tajik Radio** Yangiyul 0120-0130 W anc in vern; slow lcl chant; mx pause & M anc at 0126; from 0128 more chanting; best heard in LSB w/ moderate QSB; crackle; poor w/ NIR12; 5/21. (Serra-Italy)
- 4780 **DJIBOUTI RTD** Atta 1704-1730 Non-stop HoA mx; W anc at 1728 then chanting resumes; best heard in USB w/ S9+15 of peak; moderate QSB; rustle & crackle at times; lite het; fair; 5/12. (Serra-Italy) 0326-0348 HoA vcls to ID; mx fanfare & news in AA at 0331; return to mx prgring after nx at 0342; f/out by 0348; fair but marred by CODAR; 5/28. (D'Angelo-PA) \*0302-0330

- S/on w/ NA followed by lcl flutes & vcls; Qur'an at 0303; AA talk at 0311; rustic vcls at 0322; fair lvl but poor overall recep due to strong CODAR; 5/29. (Alexander-PA) \*0300 Despite a lot of static on 60m; s/on w/ good strength; 5/30. (Jensen-WI)
- 4790 **PERU R. Vision** Chiclayo 0445 Sig was there w/ M anc in SS but the b/cast was barely surviving the mortal attacks of CODAR; still disrupting the prg on several re-checks; 5/24. (Barker-PA)
- 4796.48 **BOLIVIA R. Lipez** Uyuni 2339 Noted in passing w/ fair sig; 6/11. (Wilkner-FL)
- 4800 **CHINA CNR-1** Geermu 2114-2123; M anc w/ CC talk; ballad at 2117; W & M anc over mx ment. "Zhong Guo"; W anc over ballad; best heard in USB to avoid CW QRM; muffled w/ NIR12 & inter-audio filter; S9+10 of peak; strong static crashes; poor-almost fair; stronger audio than // 4460; 5/30. (Serra-Italy)
- 4800 **MEXICO XERTA** Mexico City 0342-0415 Ballad followed by M anc w/ SS ID & ancments followed by second ID; more mx until 0400 when W anc spoke w/ echo effect; after another song she gave stn ID; poor w/ slight CODAR; 6/4. (D'Angelo-PA)
- 4805 **BRAZIL R. Difusora do Amazonas** Manaus 0905-0915 T/in to mx; followed by several ads & stn promos in P"; M anc OM w/ ID at 0915 t/out; CODAR was being unkind by this time & copy was very difficult; 5/18. (Barker-PA)
- 4820 **TIBET Xizang PBS** Lhasa 2136-2146 CC choral mx; W anc over mx w/ brief ancment; mx prg continues; best heard in USB w/ lite QSB & strong static crashes; almost fair w/ NIR12; 5/30. (Serra-Italy)
- 4840 **INDIA AIR Mumbai** 0131-0142 W anc in vern. until 0133; Hindi chants w/ brief M anc at times; W from 0141; no trace of other AIRs on 60m; best heard in LSB w/ fast QSB; QRN rustle & crackle; poor w/ NIR12; 5/21. (Serra-Italy)
- 4845 **MAURITANIA R. Mauritanie** Nouakchott 0640-0705 T/in to M anc w/ Qur'an until 0645; choral mx followed by M anc in AA reciting prayers; 0650 mx until ID at 0700; more AA talk; 5/18. (Barker-PA)
- 4845.2 **BRAZIL R. Cultural Ondas Tropicais** Manaus 0007-0054 M anc preaching in PP; repeated by W; relg vcls noted b/w long talk segments; prg end at 0050 w/ M anc over choir vcls; studio ID by M anc; fair; 5/20. (D'Angelo-PA)
- 4857.41 **PERU R. La Hora** Cusco 2330-2355 The one noted here; 6/9. (Wilkner-FL) 2320 Noted here w/ decent sig; not noted during 1000-1120 several days recently; 6/11. (Wilkner-FL)
- 4905.01 **BRAZIL R. Anhanguera** Araguaína 0930 Noted here during bandscan; 6/5. (Wilkner-FL) 0940-0950 M anc in rapid PP; good; 6/6. (Wilkner-FL)
- 5005 **EQ. GUINEA R. Nacional** Bata 2151-2303:50\* Non-stop mx prg w/ slow pop songs & some fast ballads in SS; two by Michael Jackson; ancment in vern. w/ some mx breaks; freq ancment in SS over Afropops; ancment over mx; brief Michael Jackson at ToH; long anthem (2301-2303:49) then off; PWBR '09 rpts 2300\*; best heard in SSB w/ S9+10 of peak; strong static crashes; almost fair w/ NIR12; 5/30. (Serra-Italy) \*0501-0600 S/on w/ NA; Afropops at 0504; hi-life mx; SS talk & R. Nacional ID; p-f; surprised to hear //6250 at 0517 t/in w/ good sig; these 2 freqs do not usually run parallel; still parallel at 0600 t/out; 6/5. (Alexander-PA) 1958-2010 Non-stop mx prg w/ Afropops & pop mx; playing the song "Vivimi" by the famous Italian singer Laura Pausini at 2005 & (P) her SS version "Viveme"; best heard in LSB to avoid RTTY; strong static crashes; lite splats via M anc at times[WWV 5000?-ed.]; almost f-p w/ NIR12; 6/6. (Serra-Italy)
- 5009.93 **MADAGASCAR RTV Malagasy** Antananarivo 2039-2054 Non-stop Afropops; best heard in SSB w/ moderate QSB; rustle & crackle; lite het in USB nulled w/ notch filter; almost fair; 5/16. (Serra-Italy) 2010-2025 M anc w/ talk; Afropops w/ occ. talk over; PWBR '09 rpts 2100\* on Saturday; best heard in SSB w/ S9+15 of peak; fast QSB & static crashes; fair w/ strong audio; 6/6; (Serra-Italy) 5009.94 0308-0325 Talk in listed Malagasy; lite instrumental mx; weak in noisy condx; b/cing in full AM mode; 5/25. (Alexander-PA) 0310-0340 Lcl Afropops & folk mx; Malagasy talk; "Radio Madagasikara" ID at 0331; poor in noisy condx; full AM mode; 6/6. (Alexander-PA)
- 5025 **AUSTRALIA VL8K** Katherine \*2130-2142 W anc in EE at s/on from 2130:33 into nx w/ correspondents; mx pause at 2140 & ancment; M anc w/ talk; best heard in LSB w/ RTTY nulled w/ inter-audio filter; NIR12; lite QSB; poor; 5/16. (Serra-Italy) [nice catch-ed.]
- 5025 **CUBA R. Rebelde** Havana 1156 Noted w/ subaudible het of a few Hz; this always makes me suspect that VL8K is stuck here on its daytime freq instead of 2485; 6/4. (Hauser-OK)
- 5059.2 **PERU LV de las Huarinjas** Huancabamba 0015 The one noted here; 5/27. (Wilkner-FL) 1034-1040 Best heard in LSB; seems on about half the time; 5/30. (Wilkner-FL)
- 5120.33 **PERU Ondas del Suroriente** Quillabamba 0030-0050 Noted here w/ strong sig; 6/5. (Wilkner-FL) [nice catch-ed.]
- 5446.5 **USA AFN** Saddlebunch Key 1015-1020 Noted here during bandscan; //5765-Guam; 6/9. (Wilkner-FL)
- 5460.1 **PERU R. Bolivar** Cd. Bolivar 0030 Noted w/ weak sig; not noted 1000-1100 recently; 6/5. (Wilkner-FL)
- 5580.24 **BOLIVIA R. San Jose** San Jose de Chiquitos 0000-0030 Mx; f/in & out; not heard 1000-1130!; 6/5. (Wilkner-FL) 5580.31 0000-0020 Mx; weak sig; 5/27. (Wilkner-FL)
- 5765 **GUAM AFN** Barrigada 1015-1020 Financial nx & ID for National Public Radio; good; 6/9-10. (Wilkner-FL)

# International Band Loggings

Wallace C. Treibel • 357 N.E. 149th Street • Seattle, WA 98155 • nwhikers@msn.com

- 5975 **NETHERLAND ANTILLES R Nederland** relay via Bonaire in DT \*0400, bell chimes, ID, frequency, schedule, national news, g (McGuire MD 6/4)
- 5990 **SLOVAKIA IRRS** Milano relay via Rimavska Sobota in EG \*0428, inspirational music opening, into opening ID, religious programming w/choir vocals, f (D'Angelo PA 6/4) in EG 0445-0531\*, religious talk and music, live guitars, IRRS ID and Milano, Italy address at s/off, p-f (Alexander PA 5/25)
- 5995 **MALI RTV du Mali** in FR 0730, ID "Ici Radio Mali", news, commentary, p (Barker PA 6/12)
- 60098v **BRAZIL R Inconfidencia** Bela Horizonte in PT 0701, heard after RHC s/off, local BR music, talks, ID at 0712, fair level and in the clear (Alexander PA 6/12)
- 6010 **COLOMBIA LV du Conciencia** Puerto Lleras in SP 0830-0900, Bible discussion group, continous religious music, IDs, no sign of Mexico or Brazil stations usually QRM'ing (Barker PA 5/23) in SP 0347-0416, religious talk, group vocals, IDs 0407, more religious talk, f-g (D'Angelo PA 6/10)
- 6030 **CANADA CFVP** Calgary in EG 0414-0500, country and western music, local announcements and an "AM 1060" ID of MW outlet being relayed, news, 0500, fair w/deep fades (D'Angelo PA 5/18)
- 6110 **ETHIOPIA R Fana** in Amharic \*0257-0325, IS, ID, announcements, news, music fanfare at 0304 and into piano music and Horn of Africa instrumentals, fair (D'Angelo PA 5/29)
- 6160 **CANADA CKZN** St. Johns Newfoundland in EG 1825, Steve Burgess with "The Point" talk show, news at 1900, fade out at ID, fair (Fraser ME 5/15)
- 6165 **CHAD RNT** D'jamena in FR \*0429, s/on w/Balafon IS, NA 0430, ID, repetitive local tribal music on continuous tape loop, f-g (Alexander PA 6/13)
- 6170 **NEW ZEALAND RNZI** in EG 0800-0835, time pips, ID, news, "Music from the Pacific" with island music peppered with lots of percussion, very nice listening, "Dateline Pacific", g (Barker PA 6/12)
- 6180 **PORTUGAL Deutsche Welle** relay via Sines in EG \*0400-0433, ID, news, "Inbox" feature, sports from 0430 on, fair w/splatter from 6175 (D'Angelo PA 6/7)
- 6185 **BRAZIL R Nacional da Amazonia** Brasilia in PT 2345-0022, local pop music, talks, ID 2359 followed by the news, return to music program after the news, f-g, //11780 (D'Angelo PA 5/22)
- 61958v **PERU R Cusco** in SP 0025-0100, religious programming w/talk and church music, several IDs at 0058 into Peruvian music, weak but readable, covered by R Prague at 0100 s/on (Alexander PA 6/14)
- 6250 **EQUATORIAL GUINEA R Malabo** in SP 0550-0620, Afro-pop and Hi-life music, news? program at 0605, ID, g, //5005 w/weak signal (Alexander PA 6/12) in SP 0520, OM hosting music program, ID at 0531, another song before a long talk by OM and YL, p (D'Angelo PA 6/13)
- 7200 **SUDAN SRTC** Omdurman in AR \*0239-0429\*, s/on with Qur'an, talk at 0240, ID "Huna Omdurman" local chants, pips 0300 and 0400 followed by news?, short breaks of local pop music, announcements, chirping birds, f-g with occasional HAM QRM (Alexander PA 6/13) in AR 0426\*, OM speaking to others from remote locations by phone, music fanfare, studio discussion, abrupt s/off (D'Angelo 6/4)
- 7235 **IRAN VOIRI Voice of Justice** Sirjan in EG \*0130, IS, ID, NA, Koran reading, g (McGuire MD 5/26)
- 7270 **MALAYSIA Wai FM** via Kuching in Iban 1412-1432, pop songs, on-air phone calls, IDs, into their regular program of indigenous chanting/singing, jammed by China jamming 1432 (Howard CA 5/18)
- 7425 **ALBANIA R Tirana** in EG 0143, music at tune-in, R Tirana theme IS, full schedule, WBCQ strong enough to cause some splatter, Tirana undermodulated as usual (Hauser OK 5/31)
- 7570 **THAILAND R Thailand** Udon Thani in EG \*1859-1934, IS gong chime, ID, news, OM with talk over slow piano music, YL talk over orchestra, business news, exc (Serra ITALY 5/11)
- 9330 **SYRIA R Damascus** in EG 2110-2200, news, local music, commentary, news headlines at 2158 and ID before switching to SP programming at 2200, f-g, poor audio and modulation (Alexander PA 5/22)
- 9335 **NORTH KOREA V of Korea** Kujang in EG 1500, announcing the opening of a new "chemical complex" dedicated by the "Great Leader, son of the Father Leader of the sacred revolution", no details on what they make there (Barton AZ 5/29)
- 9425 **INDIA AIR** Bengaluru-National Channel in EG 1430, primarily public service-oriented talks about health issues, education etc., into HD at 1500 (Howard CA 5/18)
- 9505 **CHINA V of the Strait** Fuzhou in EG 1501, "Focus on China" Sunday program, OM/YL presenters w/usual musical bridges b/w items, promo for China, p (Howard CA 6/14)
- 9525v **INDONESIA V of Indonesia** Jakarta in KR/EG \*0951, abruptly on the air, talk, light local music, IS, theme music, into EG programming w/ID and news, weak signal (Alexander PA 5/31) in EG 1501, IDs, news, "Today in History", "News and Events", running past normal s/off (Howard CA 5/18)

- 9575 **MOROCCO R *Mediterraine* Int'l** via Nador in AR 1415, Qur'anic chanting at tune in with each prayer followed by a response from the congregation, music (Barker PA 5/25)
- 9580 **GABON *Afrique #1*** via Moyabi in FR 0725, Afro pops w/music cut abruptly at 0730 when an OM began reading the news, back to music 0747, IDs, wiped out by Australia s/on 0758 (Barker PA 6/9)
- 9635 **LITHUANIA R *Free Europe*** via Sitkunai in Tatar-Bashkir \*0458, multiple IDs in EG and into program in Tatar-Bashkir with the news, some music but mostly talks/interviews, f (D'Angelo PA 5/30)
- 9690 **ROMANIA RRI** Bucharest in EG \*2030, IS, ID, fqy, sked, rpt on RR strike, g (McGuire MD 6/10)
- 9720v **PERU R *Victoria*** Lima in SP 0455, light instrumentals, religious music, NA, preacher, weak and poor w/splatter, also heard weakly on //6019v under CRI via Sackville (Alexander PA 5/24)
- 9890 **RUSSIA V of *Russia*** Moscow in EG \*2200, IS, ID, news, report on economic summit (McGuire 6/4)
- 9925 **GERMANY V of *Croatia*** relay via Wertachtel in EG \*2200, "Croatia Today", national and world news sports, weather, tourist feature, headlines, music, ID, g (Fraser ME 5/19)
- 10320usb **HAWAII *AFN*** relay via Pearl Harbor in EG 0542-0615, country music w/DJ Tommy Jackson, into sports by Rod Buska, good signal w/very little noise in USB (Rohde OK 6/6)
- 11690 **FRENCH GUIANA V of *Russia*** relay via Monsinery in PT 2357\*, short features with music fanfare, closing ID and carrier cut at 2357, f (D'Angelo PA 5/19)
- 11700 **BULGARIA R *Bulgaria*** in EG \*2300, news and information about the visit of Japan's Prince Akihiko to the US, good, // 9700 also good (Fraser ME 5/15)
- 11725 **NEW ZEALAND RNI** in EG \*0459-0524, IS, time pips, and ID at s/on, news w/correspondents, sports news and field reports, many interviews, fair w/AJI on 11730 (Serra ITALY 5/23)
- 11735 **ROMANIA RRI** Bucharest in EG \*1700-1723, service of Europe w/ID and opening announcements, into news and headline recaps, feature about WWII followed, local pops (D'Angelo PA 6/8)
- 13640 **ALBANIA R *Tirana*** Shijak in EG \*2000, IS, ID, frequency, sked, news, f (McGuire MD 6/4)
- 15075v **INDIA *AIR*** Bangalore in Vern 0253, talk by OM w/background music, YL w/announcements at 0300 s/off, moderate signal w/heavy fading, //11985 slightly stronger (Evans TN 5/23)
- 15140 **OMAN R *Sultanate of Oman*** Thumrait in EG 1428-1500, light instrumentals at t/in, gong/chimes at 1430, theme music, news, ID, pop music for 20 minutes, lost in noise 1500 (Alexander PA 5/22)
- 15190 **EQUATORIAL GUINEA R *Africa*** Bata in EG 2245-2304\*, religious talk, closing announcements with barely intelligible "Radio Africa" ID and contact information (Alexander PA 5/22)
- 15205 **RWANDA *Deutsche Welle*** relay via Kigali in EG \*2100, IS, ID, national and regional news, report on North Korea, good (McGuire MD 5/25)
- 15275 **THAILAND R *Thailand*** Udon Thani in Thai/EG 0155, Thai chatter until 0200, into EG programming chimes, and full ID "This is HSK9 Radio Thailand's world service broadcasting from the Public Relations department in Bangkok", news, weak but clear (Strawman IA 6/10) in EG 0017, news, IDs ads for fitness material and a Thai export company, changed antenna beam at 0030 at which time signal deteriorated from good to threshold level (Alexander PA 5/31)
- 15380 **CHINA *CNR-1*** via Lingshi in CH 0455, talk by YL w/few bars of music, time pips 0500 followed by talks by YL and OM, good w/heavy fading, //15480 (Beijing) fair level (Evans TN 5/22)
- 15515 **AUSTRALIA R *Australia*** in EG 0251, news feature about Australian technical innovations and agriculture, S-7 signal (Strawman IA 6/4)
- 15555 **UZBEKISTAN *CVC Int'l*** relay via Tashkent 0403, pop songs w/YL DJ, IDs, sports talks by 2 OMs, more pop music to 0420 tune-out, fair with noise (Serra ITALY 5/21)
- 15605 **RUSSIA V of *Russia*** via Moscow in EG 1400, ID, news, report on N Korea, f (McGuire MD 5/26)
- 15605 **SLOVAKIA *Miraya 101 FM*** relay via Rimavska Sobota in EG 1458-1525, tune-in to Euro-pop music, IDs at TOH followed by the news, into AR talk at 1510, Afro-pop music, f (Alexander PA)
- 17850 **COSTA RICA R. *Exterior de España*** relay via Cariari de Pococi in SP 2000, ID, news, interviews, very strong signal (Barton AZ 6/2)

## Clandestine And Opposition Stations

- 6120 **JAPAN *Shiokaze/Sea Breeze*** via Yamata in KR \*1400-1430\*, announcer reading a long list of names of purported captives in N Korea w/monotonous piano music, many IDs (Howard CA 6/9)
- 95611v **ETHIOPIA V of *Peace and Democracy*** relay via Addis Ababa in Tigrinya 0359-0430\*, ID, talk with short breaks of Horn of Africa music, in the clear w/signal drift, //7165 jammed (Alexander PA 5/25)
- 9895 **MADAGASCAR R *Voice of the People*** (Zimbabwe) relay via Talata-Volanandy in EG 0443-0456\*, OM interviewing about violence in Zimbabwe, local music, more talks, postal and electronic contact information, website, f-g (D'Angelo PA 5/29) in Vernacular \*0400-0455\*, s/on w/Afro pop music and multi-lingual IDs, talk, short breaks of African music, many IDs, into EG 0440 w/preview of coming programs, news about human rights violations in Zimbabwe, contact info, g (Alexander PA 6/6) 

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