

The **NASA** Journal

VOLUME XLVIII NUMBER 5

MAY 2009



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N4WA Notes

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

The radio listening world was saddened recently with the sudden passing of **Brian Smith** who died in late March after suffering a brain aneurysm. Brian was active in Ontario DX Association (ODXA) matters and along with **Harold Sellers** had attended the 2006 Winter SWL Festival. Brian was ODXA's chairman, and was also very well known as the QSL manager for Toronto's AM740 station. He was only 52 years old. **Rich Cuff** attended the memorial service that took place in Bolton, Ontario the last weekend in March.

Dr. Adrian Peterson, DX Editor at Adventist World Radio (AWR), provides information about AWR's 2009 DX contest on Silent Shortwave Stations which runs throughout the month of June. AWR invites listeners to search through their QSL collections and assemble all QSLs that verify the reception of shortwave stations and/or shortwave transmitters that are no longer on the air. In addition to the regular awards worldwide, there will be special awards for those who include a reception report of AWR's DX program, "Wavescan", via radio Miami International WRMI, in Miami Florida. Here are the details: (1) List what you consider to be the five best QSLs from shortwave stations or transmitters that are no longer on the air; (2) Describe the reason why you consider each card to be one of the best in your collection; (3) Enclose a photocopy or each of these five cards, preferably in color, though black and white is acceptable (do not send originals); (4) Send at least three reception reports on any AWR broadcast from KSDA Guam, or any AWR relay broadcast via any relay station anywhere in the world. All reception reports will be verified with a contest endorsement on the QSL card; and (5) where possible, please enclose three radio cards for inclusion in the Indianapolis QSL collection (no amateur or CB cards). All contest entries must be

postmarked at the listener's location in any country of the world on any date during the month of June, and they must be delivered to the AWR postal address in Indianapolis no later than the end of July 2009. Return postage in the form of currency notes in an international currency, mint postage stamps, or IRC coupons would be appreciated. Also, where possible, provide a self-addressed envelope. The only address for the 2009 "Silent Shortwave Station Contest" is: Silent Shortwave Station Contest, Box 29235, Indianapolis, IN 46229 USA. There will be a special award for the world winner, one of the **Jerry Berg** radio history books; and *World Radio TV Handbook* or *Passport to World Band Radio* for continental winners. In addition, there will be special awards for those who send in a reception report on the broadcast of "Wavescan" over WMRI shortwave in Miami, FL.

The 2009 version of the Danish Shortwave Clubs International (DSWCI) outstanding Domestic Band Survey (DBS) was published in early May. I should have a review copy shortly so expect to read a detailed account of this annual publication in *Shortwave Center* in the very near future. However, based on past years, the quality of the DBS is top notch so I recommend that you get your copy early. The 2009 DBS via e-mail in PDF format costs US\$8.00 or EUR 5,00 or 5 International Reply Coupons ("IRCs"). The printed version costs US\$16.00 or EUR 10,00 or 9 IRCs. The 2009 DBS can be ordered from DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, Denmark. If you want to use Paypal, please contact Andreas Schmid at schmidandy@aol.com for further information.


Here is a quick reminder that **Bob Padula's** Australian Shortwave Guide (ASWG), Edition No. 23 for the A09 Season is now available.

Our Motto: Unity & Friendship


The ASWG Edition No. 23 is a no-frills reference, covering the five-month international shortwave transmission period commencing March 29 2009, and concluding on October 26 2009. It provides comprehensive information of shortwave broadcasting schedules for transmissions intended for Australia, New Zealand and the Pacific Islands, for broadcasts in all languages. The complete schedules for Radio Australia and CVC-Australia are also included. Ordering from outside Australia: US\$10.00 / 10 Euro / 6 British Pounds / A\$10 - cash, five international reply coupons, Australian mint stamps to the value of A\$10, international bank transfer, international bank draft, PayPal (bobpadula@mydesk.net.au). Orders

and payments should be sent to: Robert J. Padula, 404 Mont Albert Road, Mont Albert, Victoria 3127, Australia.

Please remember to direct all communications about subscriptions, bulletin delivery issues, Mother's Day gift ideas, 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. 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. 

FRENDX: Twenty-Five Years Ago (May 1984)

In John Herkimer's Shortwave Center, Dan Robinson, then of the VOA East Africa Bureau, gave his reactions to the Sony-2002 receiver and Ralph Perry reviewed the novel "Aunt Julia and the Scriptwriter" by Peruvian author Mario Vargas Llosa. In Technical Topics, James Herkimer discussed Sherwood Engineering's latest modifications for the NRD-515 communications receiver and Eric Falkenhan wrote about a simple but useful antenna system that he used for many years. Andy Robbins returned with another edition of "Contact." Finally, Michael Schmitz wrote part 2 of "DXing in Europe." Once again Terry Ward filled in as Listeners Notebook editor. Sam Barto's QSL Report column featured an array of Latin pennant illustrations in addition to the 115 countries being reported. Log Report "A" was missing this month. In Log Report "B", editor Jerry Berg noted a new Peruvian, Radio Libertad, on 4910 and Radio Sandino was being heard intermittently on 6200. In Log Report "D", editor Wallace Treibel reported a deluge of logs. Randy Erickson of The Association of North American Radio Clubs issued a press release inviting listeners to its 1984 convention scheduled for Toronto, Canada sponsored by the Ontario DX Association. 


NASWA Flashsheet

Are you getting the latest hot information about what is happening on the shortwave bands? If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on timely news and information about the DX scene that will enhance your shortwave listening pleasure. If you are a current member of the club and want to receive the electronic Flashsheet just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic *Flashsheet* edited by **Mark Taylor**, markokpik@tds.net. The club's electronic *Flashsheet* helps members stay on top of the action with breaking shortwave news and information. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news.

Calendar Of Events

- May 7-8 Annual Meeting.** The **2009 National Association of Shortwave Broadcasters and US DRM Group** will be held in Nashville, TN 7 and 8 May 2009. It will be co-hosted by World Christian Broadcasting and WWCR. Additional information will be available at a later date.
- May 8 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: ctcreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>
- May 9 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. The purpose will be to gather other SWL/ DX listening enthusiasts together for informative discussions and sharing of knowledge and information about the hobby.
- May 9 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>](http://www.siscom.net/~mmeece/monix.html)
- May 11-17 Annual General Meeting (AGM) and DX Camp. The Danish Shortwave Club International** will hold its AGM and DX Camp from May 11th through May 17th at Vardeborg, Vejers Beach, Denmark. For further information contact Bent Nielsen (bent.elin@webnetmail.dk), Egekrogen 14, DK-3500 Vaerloese, Denmark. More information will be available later on.
- May 18 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 3rd Monday of each month. Info, Curt Phillips, 919-773-4522, [<mailto:curt@nerdster.net>](mailto:curt@nerdster.net) curt@nerdster.net.
- May 22 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) for further information about future meetings.
- Jun 6 Meeting. Reading International Radio Group** will hold its next meeting on Saturday October 4 at 2:30 PM in Room 3, Reading International Solidarity Centre, 35-39 London Street, Reading. All are welcome, for further details email Mike Barraclough mikewb@dircon.co.uk or phone 01462 643899.
- Jul'09 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 Rodríguez, Organizer mcruz_dx@yahoo.com. 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 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 23rd 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). 

NASWA Yahoo Group

Join moderator **Dan Ferguson**, the club's Yahoo Group, and other club members to discuss reception of shortwave radio broadcasts, program content, propagation, reception conditions, loggings, hot news and information as well as radio equipment and accessories and any topics related to shortwave radio in general. Please keep in mind that loggings, QSL news, schedule changes should also be reported to the appropriate column editor of the Journal for publication. This forum is a supplement to, not a replacement of, *The Journal*. Subscribe by going to <http://groups.yahoo.com/group/NASWA/>.

Musings

Robert D. Wells, 544 Thompson Street, Peshtigo, WI 54157-1441

North American shortwave proposed survey sounds like a great idea and it should receive a very high response. Whatever the results may be, there should be a survey conducted periodically. Say, once every 3 or 5 years to monitor the listener participation and what they are using for equipment. It should also include the various programming monitored.

This survey would also be a guide for the broadcaster on current trends in listener interests.

It should include the current total number of club members and the number of years they were club members. This would also be used to invite more new members and hopefully too keep shortwave alive. Too many broadcasters are leaving the airwaves because of budget cuts, equipment failure and political intervention.

The survey would be offered with a reasonable deadline and participation strictly voluntary.

Justifying the survey would be in tune with the large shortwave business. It's possible the BBC could again broadcast to North America. And VOA could transmit to all former countries instead of a select few.

We can't afford to lose any more shortwave stations worldwide despite the other alternatives such as AM, FM, TV, Wi-Fi Internet, Sirius Satellite and iPod and MP3. I suppose

each one has its usefulness but the subscriber growth rate is slow or even at a stalemate. Shortwave is still the old standard that is actively productive. Shortwave might be old fashioned but its still the best and most useful median.

I most certainly would be willing to participate in doing this proposed survey. The article in the Journal mentions it would be done through a website or e-mail. Well, I'm not on the Internet. I rely on the telephone or mail service, having no problem with either one.

One last item, shortwave listening is a hobby with much dedication. It would be a sad day when all shortwave is shut down and goes the way of the passenger pigeon. The world still needs shortwave radio. The proposed survey is very important to everyone, even if some don't agree.

Also, before I end this letter, I do believe the NASWA club should have membership cards for each member, whether or not the member is a licensed ham operator, to have something to show friends and other members of other shortwave clubs and for another means of keeping track of members for the club business manager. This should make accounting a little easier. It's a thought worth looking at.

Stephen Wood <hauula7@msn.com>, South Yarmouth, MA

Does anyone have a current address to QSL R. Nacional De Venezuela ? WRTH lists one in Miami but I'm not sure that this will work, although I'm not sure why. Thinking it might be better to send a report direct to Venezuela. This may be a misperception on my part though. Any help would be greatly appreciated .

Brandon Jordan <bcdx.org@gmail.com>, Memphis, TN

These are some initial loggings from an overnight Perseus SDR recording spanning 4600-6200 KHz made from 0245-1220 UTC, antenna used is a Wellbrook ALA100. These almost 10 hours worth of recordings take up 257 GB drive space.

One note from recent DX over the past week or so around the Equinox. One of the prime DX windows for Latin stations for me, and to a smaller degree with African and Asians, is the dawn at transmitter enhancement that spans some 15 to 30 minutes around local sunrise at the transmitter. Stations that are nothing more than a weak carrier all night can surge in strength and many times produce remarkable audio. It appears that for a week or two around the Equinox, this enhancement is practically non-existent. I recall noticing this when I was actively DXing back in the Spring of 2007, and I now notice the same thing this past week.

Sheryl Paszkiewicz <paszkiewiczsheryl@yahoo.com>, Manitowoc WI

After being in the hobby many years, I find I do not devote the time to logging one station which is a relog as I did the first time I logged it when I sent a report and QSLed it. As a result, I find myself adding logs to my personal lists which I do not submit to bulletins. I am now listening more for my enjoyment than competitively. While I don't like reading a logging of an open carrier, I agree that it alerts one to monitor that freq if he needs the station. On the other hand, I also don't like reading 2 paragraphs of a logging either.

Marlin A. Field, 128 Oak Street, Hillsdale, MI 49242

Jorge Zambrano, who has been in the United States with his wife on furlough, has been forced to stay longer than planned because of his illness. HCJB is asking for donations to help cover his medical expenses.

Giovanni Serra <dxer_gserra@fastwebnet.it> Roma, Italy

Ciao from the sunny Roma.

It's springtime here in my city: during last week of March and the first days of April, weather was sometimes windy, cloudy & rainy, with some sunny hours and mild temperature during late morning & afternoon.

Just improved my Radio shack with a new comfortable black leather like high backed wheels armchair: sometimes, it sends me to sleep, especially when listening SW Radios all night long.

Even if the Sun is still spotless, during the period above mentioned, there were some nice openings in the night toward Latin America on 60 meter Tropical Band.

March 29th, caught R. Cultura Ondas Tropicais, Brazil on 4845.23 kHz, just appeared after s/ off of R. Mauritanie, and a presumed R. Buenas Nuevas, Guatemala on 4799.79 kHz. April 3rd, listened an unidentified Rádio on 4955 kHz: possible, but very tentative, the Peruvian R. Cultura Amauta. April 4th, listened an unidentified Radio from Brazil on 4824.99 kHz, well recognizing the typical intonation of Brazilian speakers: some DX bulletins reported Radio Cancao Nova approximately on this frequency. During late night or at early morning before sunrise, also listened the usual LA R. Rebelde, R. Clube do Para, R. Brasil Central and, sometimes R. Difusora de Macapa (April 5th, I did not hear it some hours before sunrise). Before sunrise, also I briefly listened sometimes the powerful WWCR on 5070.01 kHz and VOA from Sao Tome on 4960 KHz. March 28th late night (but I briefly heard it other nights too), I logged the rare Australian VL8K Katherine on 5025 kHz with its English program; at around 2230 - 2240 UT, as Australia faded out, very slowly appeared R. Rebelde with a barely audible audio just over the background rustle, then increasing its signal and audio to fair / good during the night. Really, I think this is one of the most fascinating things of Radio listening. During night, usual poor or fair conditions on 60 meters for Tajik R. on 4765.04 or 4765.05 kHz, and for some Chinese, Tibetan and Indian Radios as well (please, see logs of mine on the appropriate columns). Strong R. Mauritanie listened on 4845 kHz during late night just before Brazil on about this frequency. Instead April 2nd, a barely audible listening, with a tentative identification, for R. Nacional, Bata, Equatorial Guinea on 5005 kHz.

That's all for now. Till the next.

Gerry Dexter <gdex@wi.rr.com>, Lake Geneva, WI

National Geographic Traveler magazine, in its April 09 issue, contains a brief interview with well known travel writer Paul Theroux (The Great Railway Bazaar, etc.). His response to the question "What's the single most crucial thing to take on a trip?" was: "A very small shortwave radio to alert you to world events, the possible horrors of the place you're in, and to give you something to listen to in the hours of the night, when you're alone in the dark."

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

As usual, Theroux' observation is on target. Gerry's posting also reminds us that we should consider reading, or re-reading some of Theroux' travel writings. Since most DXers are, to one degree or another, geographiles, The Great Railway Bazaar is highly recommended as a starting point, and right up there with it would be The Old Patagonian Express. Fun reads both!

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

Forgive if this is a dumb question. Normally to terminate the ends of a dipole you pass the wire through the insulator wrap the end around the wire and solder it. Do you do that for a mechanical connection, an electrical connection or both?

This is what I am getting at: In other words rather than solder the end back on to the wire can I tie a bowline knot to terminate the wire end to the insulator. Will this have a negative effect on the antennas performance?

Frank N. Haas KB4T kb4t@kb4t.us

Performance of the antenna is affected by its physical length (relative to frequency monitored) and height above ground. The manner in which you terminate the ends of your wire antenna affect its length only. Soldering the ends is a nice neat thing to do but doesn't usually add much mechanical strength. (Solder isn't a very strong metal.) Mechanical strength comes from the manner in which the wire is twisted over itself prior to soldering. More twists usually means more strength. Soldering the wire protects it from the elements and electrically shorts the coil created at the end of the wire by the twisting. At shortwave frequencies, this very small coil has no noticeable effect even if left unsoldered.

If the wire is small enough and pliable enough to allow you to tie a bowline knot, go for it. It will work just fine. I wonder though: If the wire is pliable enough to be tied in a knot, is it strong enough for the application?

I don't know where you live or what the climate is like so my next few comments will be general in nature.

Assuming you want the antenna to survive for a long time, be sure you use wire strong enough to last under the wind and climate conditions normal to your area. My favorite antenna wire is hard drawn 13 gauge insulated, stranded all copper (not Copperweld) wire. I buy this from Davis RF (<http://www.davisrf.com>). Lots of folks like buying general purpose 14 gauge insulated solid copper wire used for interior house wiring. I find that such soft solid wire tends to break to easily especially in windy conditions. Where the feedline connects to the wires of the antenna, I do my best to weatherproof the electrical connections to slow down the corrosion process. Scotch 2210 Mastic & good quality electrical tape are perfect for this. Check with your local 2 way radio shop and see if they will give you remnants from a professional weatherproofing kit. These contain the mastic and tape.

At the ends, make sure you create a good mechanical termination that won't come undone. That means twisting the wire around itself enough times to assure it won't come undone. 2 inches of such twisting is usually plenty. On the other side of the insulator, consider using quality 1/4 inch or 3/16 inch UV resistant black nylon rope to tie the insulator to its mount or tree limb. Davis RF can supply that as well. A local marine supply house probably has something similar. The biggest problem with wire antennas is the ease with which cheap rope fails and the antenna falls to the ground. Invest in quality and you will enjoy years of good service.

I have enjoyed the use of a 295 foot rectangular loop antenna here at my station for more than 2 years without any sort of failure. In my climate, that's a long time!

Good luck & Good Listening!

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

Well, we had our 7th meeting of the Columbus chapter of NASWA this month and were pleased to have none other than Mr. George Zeller do a presentation on Pirate Radio. We had 15 people in attendance and George did his usual great job on the topic. It was interesting to observe the group as George presented as once in a while you would catch a smile or smirk from some attendees that indicated that everyone was really enjoying the event. Fred had a very nice selection of items for door prizes that were greatly appreci-

ated. Fun was had by all! Again we here in Columbus would like to thank George for his time, his wit, his humor and knowledge on this topic. We would also like to thank Fred Osterman for his devoted support of the Columbus chapter of NASWA. The entire crew at Universal Radio has always gone out of their way to make us feel at home there.

Following George's presentation Ronnie Stroup presented a review of the Grundig Satellite 750 that he won at this years Winter Fest. His efforts and organized presentation were appreciated.

I should mention that after many years of going to the winter fest and coming to about every meeting of Columbus, NASWA (it is a 1 1/2 hours drive each way for the meetings) Ronnie Stroup and his brother-in-law/ best friend Dave Balint joined NASWA this year at the Fest! Welcome to the family! Now I will have to stop referring to them as the step children, hi.

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610
It is always an unpleasant experience when the hobby loses someone but Brian Smith's sudden passing was more so because he was only 52 years old. Although not a NASWA member, Brian was very active in the Ontario DX Association serving as its Chairman at the time of his death. I had a chance to meet him at the 2006 Winter SWL Festival.

You never know what will happen when you send out a reception report. Recently, Henrik Klemetz was reviewing some old cassette tapes and he came across one that he thought I would be interested in. It was a Dutch pirate, Pirate Freaks Broadcasting Service on 15050 kHz, broadcasting in December 1990 where the announcer thanked me for my reception report. I checked my QSL files and I did verify them back in 1990. Thanks Henrik for sharing the MP3 file.

In April, I was on a golf trip to the Myrtle Beach area. While in the Myrtle Beach area, I had planned to visit with Dan Ferguson provided he was able to pull himself away from the many beach parties he attends as a retiree. I had an old Hallicrafters SX-100 that a friend unloaded on me recently. Dan was interested in providing this relic a good home so I transported the beast south for its retirement. However, my schedule down south was more complicated than I imagined and the plan fizzled. I have no idea if the SX-100 operates or not, but I am sure it will once Dan finishes doing to it whatever he will eventually do to it.

Here is a rundown of this month's QSL returns. People's Broadcasting Station Nei Mengg verified through China Radio International with a full data "Laoshan Velodrome" card. Democratic Voice of Burma via Wertachtal verified an electronic report with a full data e-mail attachment from Media Broadcast from v/s Michael Puetz. The reply noted, "Please send your answer and reception reports to QSL-Shortwave@media-broadcast.com. You can find the active MEDIA BROADCAST (DTK) schedule at www.media-broadcast.com/en/radio/kurzweille.html." Furusato no Kaze verified with a no data personal letter from v/s Sunouchi Tomoyuki explaining that "Unfortunately, as you know, we do not issue any verification cards (SWL/QSL card), but according to the description you gave us, we can confirm it was our Japanese program "Furusato no Kaze"." Enclosed were brochures about the return of abductees. Radio Farda via Wertachtal verified with a date/frequency/language "Illuminate Your World" card. The card neglects to indicate "Radio Farda" and leaves blank the transmitter location box. A far cry from good job Dave Walcutt performed in handling such chores. CVC Africa verified with a no data electronic reply from v/s Brigitte who apologized for the delay in getting back to me. She works on the CVC-TV side which was presenting the program feature short-wave so my report went to the TV people who do not have a QSL card.



Easy Listening

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

When you don't know what to listen to...consider the RNW archive

I'll bet most NASWA members have fond memories of listening to **Radio Netherlands** over the years...whether it was the *Happy Station* or *Media Network* or *Newslines* or the *Weekly Documentary*, there was no doubt that Radio Netherlands produced top-quality programming. Of course, RNW still does...but, alas, no longer via shortwave to North America...there's *The State We're In* and *Curious Orange* and *Bridges With Africa*, three programs that are at the top of their genre...and *Newslines* remains a weekday staple.

You may remember that, for many years, Radio Netherlands produced weekly documentary programs that took a single issue and drilled deeply into it, producing many fascinating, highly detailed, well-produced radio programs. Thankfully, Radio Netherlands has made many of them available for on-demand streaming.

So, if you're stumped for something interesting to listen to, consider visiting the Radio Netherlands documentary archive. Visit the Radio Netherlands website at <http://rnw.nl>, click on <Radio Programmes> in the left margin, then look for <Documentaries> at the bottom of the page. I counted more than 50 documentaries available for listening...surely you'll find something there that piques your interest. Even if the program is several years old, you'll find it interesting listening. In some instances, you'll find an archived program to be eerily prescient as well.

Bits and Pieces

Voice of Nigeria - VONScope

Quick...name the most populous English-speaking countries in the world...did Nigeria come to mind? Although it has approximately 150 million people in an area twice the size of California, it's easy for Nigeria to not appear on your mental radar screen of English-speaking countries. Nigeria has long maintained an external-facing shortwave presence with the **Voice of Nigeria**; it broadcasts daily on shortwave in English from 0500 to 0700 on 15120, 1000 to 1500 on 9690, and 1700 to 2100 again on 15120, all times UT. It's tough to consider the **Voice of Nigeria** as an Easy Listening catch via shortwave, at least here in Eastern Pennsylvania. Most certainly not in the same class as Radio Netherlands in the good old days. Well, VON's website, <http://voiceofnigeria.org>, has long mentioned live webcasting as "coming soon", and this has now gone live...at least for part of the day and part of the time. It seems to be a hit-or-miss proposition, but if you're looking for something out of the ordinary, you should add it to your list. I'll highlight some of the specific programs on the VON schedule from time to time.

VONScope (weekdays 0500) is a weekday 30-minute news magazine featuring stories about Nigeria as well as world news of interest to Africa and Africans. The program features an economic news segment as well as sports news. The program features interviews and audio actuality, which helps to keep the program interesting. It's a decent way to hear about Africa from an African perspective.

New Series from the BBC World Service

Something Understood

This is a new spiritually themed weekly half-hour program. Longtime World Service South Asian correspondent Mark Tully uses music, prose and poetry to explore religious topics. A late April edition focused on the last words of Jesus on the cross, with Tully interviewing a UK clergyman and delving into the physical, emotional, legal and spiritual aspects of Jesus' words. West African shortwave airtimes that may reach North America include Saturdays 1832 and Sundays 1332; Webcast air times include Sundays 1432 and 2132.

Letter From...

In a resurrection of one of the most beloved features of the World Service, Alastair Cooke's *Letter From America*, comes this new series that is a topical essay, like the old program, but from various leading global commentators. The program is only nine minutes long, versus the old 15-minute length of *Letter From America*, but nonetheless might be worth a listen. If you're trying to catch the World Service on shortwave from its West Africa services, try Sundays 2132. XM listeners can try Sundays 0632 and 2332, plus Mondays 0132. The live webcast air times are Saturdays 1032 and 2332, plus Sundays 0232.

New programs from the Voice of Turkey

These have already been on the air since January, but this is the first time I've had a chance to mention them. Thanks to Rich D'Angelo for passing along this info.

This World is Ours

One of the most important items on world agenda is global warming and this program will delve into the global and environmental factors causing our old planet to suffer

unfortunately even more in the coming decades. The causes of what has caused this alarming situation both in Turkey and the world will be concentrated on and the possible remedies will be discussed.

From Fortress to Fortress

The fortress shedding light on the ancient civilizations which flourished in Anatolia, merged into one another and created new syntheses are what this program discusses.

Turkish Pop Music from Past to Present

Among the music programs which we believe will most enrich our broadcasts will be this particular one. It will feature the chronological history of Turkish pop music as of the 60s, giving examples of the musical terms, jargon and singers of those years.

The note from the VOT also adds that "...as always, our broadcasts will be punctuated with more feature programs from culture to arts and history to international relations, all geared to fulfill your demands and wishes."

The Voice of Turkey's English Service can be heard in North America at the following times and frequencies:

0400-0500 UTC on 6020 and 7325 kHz

2300-2400 UTC on 5960 kHz

Sorry for an abridged column...

The combination of work and family responsibilities has left little time for my listening hobby for the past couple months. Hopefully things will ease soon...

See you in June!

73 DE Richard



Shortwave Center

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

DX Target: Open Radio for North Korea Radio in Support of Reconciliation between North and South

By Richard A. D'Angelo

The Korean Peninsula has been a trouble spot for a long time. Over the years there has been a massive collection of clandestine stations getting their messages out to address unification, among other issues. Some of them include Radio Echo of Hope, which began in June 1973, however, prior to that, it was active under the name Voice of Reunification. Another was the Voice of the People, which began in June 1985. Also, there was the Voice of National Salvation, which became an active station in August 1985. This DX Target will focus on a recent addition to the "peace" process on the Korean Peninsula, Open Radio for North Korea ("ORNK").

Background

An independent Korean state or collection of states has existed almost continuously for several thousand years. Between its initial unification in the 7th century from three predecessor Korean states until the 20th century, Korea existed as a single independent country. In 1905, following the Russo-Japanese War, Korea became a protectorate of imperial Japan, and in 1910 it was annexed as a colony. Korea regained its independence following Japan's surrender to end World War II ("WW II") in the Pacific in 1945. After WW II, a Republic of Korea ("ROK") was set up in the southern half of the Korean Peninsula while a Communist government was installed in the north ("DPRK"). During the Korean War (1950-53), United States troops and United Nations forces fought alongside soldiers from the ROK to defend South Korea from DPRK attacks supported by China and the Soviet Union. An armistice was signed in 1953, splitting the peninsula along a demilitarized zone at about the 38th parallel.

South Korea was able to achieve rapid economic growth with per capita income rising to roughly 14 times the level of North Korea. In 1993, Kim Young-sam became South Korea's first civilian president following 32 years of military rule. North Korea on the other hand continues to be firmly ruled by Kim Jong Il.

In June 2000, a historic first North-South summit took place between the South's President Kim Dae-jung and the North's leader Kim Jong Il.

Geography

North Korea is located in East Asia on the northern half of the Korean Peninsula. North Korea shares a border with three states, including China along the Yalu River, Russia along the Tumen River, and South Korea along the Korean Demilitarized Zone ("DMZ"). The Yellow Sea and the Korea Bay are off the west coast and the Sea of Japan (also called East Sea of Korea) is off the east coast.

South Korea is located in East Asia, on the southern half of the Korean Peninsula jutting out from the far east of the Asian land mass. The only country with a land border to South Korea is North Korea, lying to the north with 238 kilometers of border running along the DMZ. South Korea is mostly surrounded by water and has 2,413 kilometers of coast line along three seas. To the west, is the Yellow Sea, to the south is the East China Sea, and to the east is the Sea of Japan or East Sea.

The Korean Peninsula extends for about 1000 kilometers southward from the northeast Asian continental landmass. The 8,460 kilometer coastline of Korea is highly irregular, and North Korea accounts for 2,495

kilometers of this. About 3,600 islands lie adjacent to the Korean Peninsula, mostly along the south and west coasts.

The Mission of ORNK

Open Radio for North Korea broadcasts radio programs to the listeners in North Korea. For the most part, the station broadcasts programs prepared by producers with a message for North Korea citizens. The station encourages participation. Anyone who wants to deliver his/her voice to the North Koreans is welcome to participate in the program.

According to the station, the messages it broadcasts belong to the participants. ORNK is not limited to any political, economic, social, cultural or religious sphere. Any message can be broadcasted as long as it does not violate intellectual property rights and ethical regulations on international broadcasting.

ORKN supports *true* reconciliation between the North and South Korea. The station believes that "sincere conversation is necessary for true reconciliation between the people of North and South Korea." ORNK hopes to provide opportunities for open communications and conversations between the people of North and South Korea and the global community.

Finally, the ORNK organization provides consulting service about broadcasting to the North Koreans. Anyone interested in broadcasting to the North Korean people but does not know how, can use the resources of their organization to make broadcasting a reality.

Open Radio for North Korea's Executive Director Young Howard has said that the *"Inter Korean Summit Meeting in 2000 was the beginning. Now is the time for the Korean people all over the world, including the people in North and South Korea to play major roles in the process of reconciliation. For this to come true, conversation with North Koreans living in a closed society is necessary. However, channel of conversation with North Koreans remains restricted. We would like to open up a channel."* He has noted that South Korean society is free and open and that compared

to the past, a wide range of information on North Korea has been made public. Nevertheless, he sees a need for more improvement in South Korea. The North Korean society is closed compared to the South Korean society. Executive Director Howard has stressed that more efforts must be made in North Korea by allowing external broadcasting including radio and television as well as the Internet needing to be made public. He considers the station's mission to deliver the voice of North Koreans to the North Koreans. The Executive Director believes the station's role will be completed when North Koreans become the owner of the station.

ORKN Programming

Open Radio for North Korea broadcasts a variety of programs into North Korea. One of the programs is personal messages of separated families in Korea, including abductees' families and families of prisoner's of war, and North Korean defectors' families. Another program is a student college program, a public access program where students broadcast through one of fourteen participating colleges their own program for North Korea. The topics vary from love stories of young people, to book reviews and songs, and history discussions. For the most part, programs consist of educational and cultural messages for the reconciliation and cooperation between the two Korean peoples.

Open Radio for North Korea admits to support by the United States Congress although Tae Keung Ha of ORNK notes that the U.S. government does not tell them what you can and cannot be said on the radio programs. They enjoy full autonomy in program development and presentation while adhering to journalistic ethical standards that are observed by any journalist in any open media.

Vincent Brossel of the Asia desk of Student Media Without Borders in Paris once noted that the station's goal is to increase the press freedom in North Korea and to break the walls between the South and the North Korean people. He stated that for many years, Reporters Without Borders published

an international press freedom ranking with North Korea being the worst country. North Korean freedom of expression suffers from government control, censorship, propaganda and repression. North Korean people are prevented access to free information. Brossel believes that the only to break the wall of censorship is to promote the free radio, thus he supports the Open Radio for North Korea initiative. Supporting the project provides a chance to the North Koreans to hear something different from the usual propaganda fare they must live with on a daily basis.

When North Korea recently defied international calls for restraint and launched a rocket, purportedly to put a satellite in orbit, it wasn't long before a covert correspondent there was on her cell phone to editors in Seoul. For South Korean radio station founder Young Howard, this represented breaking news from a hostile, inaccessible land.

People were celebrating a colossal success, she whispered. "If we have starved, it has been in sacrifice of this glory," she quoted the train passengers as saying. "The Americans cannot dismiss North Korea's new weapon." Howard knew differently because U.S. intelligence reports said the rocket never made it into orbit. Within hours, Open Radio for North Korea was broadcasting its own report to listeners across the border. "News out of Pyongyang violates the basics of journalism," he said. "We tell the other side of the story."

Howard's station is among half a dozen Seoul-based operations that each day dispatch news and opinions into North Korea. Some, like Open Radio, are the work of concerned outsiders. Others are run by defectors, many of whom use pseudonyms because they know vengeful officials could persecute family and friends left behind.

Considering the shortage of radios in North Korea and the penalty for owning one, the broadcasters don't know how many people actually hear their voices. For Howard, it's like putting a message in a bottle and tossing it out to sea. "We don't expect any answers," said the 40-year-old father of

three who was born in Busan, South Korea. "We're just putting information out there in the hope that people's loved ones will hear."

By far the most popular program for Howard's station is "Unsent Letters," which broadcasts messages from outsiders seeking to get word to friends and family in North Korea. It's an electronic bulletin board of sorts. Often the communiqués are sentimental recollections, bits and pieces of memory filled with raw emotion.

Experts are divided on the role the radio stations play in the lives of North Koreans. Some call them tools of change, while others say their operators are frustrated defectors shouting into the wind.

How to Hear and QSL ORNK

This past DX season, Open Radio for North Korea operated on 9,930 kHz from the facilities of KWHR in Naalehu, Hawaii broadcasting to North Korea and the three eastern provinces in China. Transmissions were from 1200 to 1230 UTC. Recent schedule information indicates that ORNK can be heard on 11,640 kHz from Tashkent, Uzbekistan at 1300 to 1400 UTC and on 7,510 kHz from Yerevan, Armenia from 2100 to 2200 UTC. The station has received reception reports from around the globe with many of the letters appearing on the station's website (<http://www.nkradio.com>).

The station will verify listener reception reports. Executive Director Young Howard sent a date/frequency letter confirming reception in a reasonable time frame. My reply arrived in about 50 days. Reception reports in the English language reports can be sent to the station at:

Open Radio for North Korea
P. O. Box 158
Mapo, Seoul 121-600
Republic of Korea

Alternative, electronic e-mail reception reports can be sent to the station using the following electronic address: nkradio@nkradio.com.

As always, remember to send in any Open Radio for North Korea logs to electronic *Flashsheet* editor Mark Taylor and to Wally Treibel for the *Log Report*. Of course, those

interesting QSL verifications should be sent to Sam Barto for inclusion in the *QSL Report* column. Good luck with this DX Target.

From the April 2009 NASB Newsletter...

The Happy Station Show Returns

Press release from Keith Perron

After an almost 15 year absence on the shortwave dial *The Happy Station Show* returned this March. The Happy Station is one the longest running shows ever on shortwave, having begun in March of 1927 when Philips Radio started broadcasts over station PCJJ as a way to reach the Dutch East Indies (Indonesia). Sometime in 1928 a very young Edward Startz created the Happy Station. He changed PCJJ to PCJ, which he said stood for Peace, Cheer and Joy. The show continued until the start of the war. During WW2 the only shortwave done by the Dutch was via the BBC in London broadcasting back to Holland with Radio Orange. After the war around 1946 the Dutch Government founded Radio Nederland Wereldomroep and Edward Startz returned to microphone as presenter of The Happy Station Show. Edward remained with the show for 43 years, way past the legal age to retire in the Netherlands.

In January 1970 Tom Meijer, who was working for the Dutch section of Radio Nederland, took over as host. This was a major transition. With Tom, the show took on a new life and energy. The Tom Meijer era was one of fun, with Tom making you feel that the Sunday broadcasts were bringing all the listeners together for a family gathering. It truly was your Sunday family show of smiles across the miles. Tom Meijer stayed with Happy Station for 21 years until he retired. After he left the show it was first taken over by long time Radio Netherlands announcer/producer Pete Myers and then by Jonathan Groubert. The Happy Station Show was canceled in 1995.

Why return Happy Station? The Happy Station had and still has a very loyal audience,

and now the time is right to return with the same message of Peace, Cheer and Joy and Smiles Across The Miles that Edward and Tom brought listeners every week.

What is different? One of the major changes with the Happy Station today is it won't be a Radio Netherlands production. Instead it will be independently produced and distributed. Radio Netherlands has given permission for the new producer and presenter to use the name Happy Station, as long as it's made clear there is no affiliation with Radio Netherlands.

The new Happy Station host will be Keith Perron, a Canadian broadcaster who has been based in Asia for almost 10 years. He has worked as an announcer/producer with CKUT Montreal, Radio Canada International, Radio Havana Cuba, CHMB Vancouver, China Radio International and has freelanced for Monitor Radio, CBC Radio and others over the last 17 years.

The new Happy Station Show won't be produced in Holland, but will be based in Taipei, Taiwan and will be distributed using many different channels and all aspects of technology, new and old, to bring the show to the audience. The first will be shortwave on the frequency of 9955 kHz via WRMI (Radio Miami International) for listeners in North and South America. After the show's first transmission on shortwave, it is uploaded as a podcast so fans of the show not in the target region will be able to tune in. A plan is in place to bring it on shortwave to other regions of the world; this will be announced at a later date. A Facebook page has also been set up where listeners can send in pictures and recorded messages, which will be used on the show.

With the revival of The Happy Station Show there will also be a Happy Station youtube channel, where listeners will be able to upload videos from wherever they are in the world. The new host of the show will also present videos and a behind the scenes look at the new show and its new surrounding.

For listeners who remember the Spanish version of the show, La Estación de la Alegría, Keith will at a later date present both editions. At the beginning the show will be bi-weekly. When the Spanish edition comes at a later date, it will alternate with the English Happy Station.

For those who fondly remember Tom Meijer, you will also have a chance to hear him again in guest spots as well as some of the songs he recorded at Radio Netherlands over the years. The first edition was a tribute to

Tom and the original Happy Station with contributions from listeners from around the world and some very famous voices from the shortwave dial.

For more information, audio samples and pictures contact:

Skype: pcj.happystation

Email: pcj.happystation@gmail.com

Telephone: +886 938408592

Facebook: The New Happy Station

Post: Happy Station Show Attn: Keith Perron, 8th Floor, No47, Lane 31, Section 1, Sanmin Road, Banciao, Taipei, Taiwan (ROC), 22070

The current shortwave schedule for The Happy Station is 0100-0200 UTC Thursday to Latin America and 1500-1600 UTC Thursday to North America—both on 9955 kHz. These transmissions can also be heard via a live Internet stream at www.wrmi.net

Shortwave—My View

by Keith Perron

Guest commentary for the NASB Newsletter (your responses are welcome)

My very first job on shortwave radio was around 19 years ago when I did some replacement work for Radio Canada International's English language service to Asia. During that time I have seen so many changes, but not always for the best. Since around 1991 all of us have seen shortwave broadcasters drop frequencies, cut back on programming and reduce broadcast hours. The question that many of us who work in this medium and listen is: Is this the right way to go? Yes it's true that since the internet took off, broadcasters such as the BBC, Deutsche Welle, Radio Netherlands and others now have another means of distribution and can attract a different audience that normally would not listen on shortwave. But! To cut off an audience of hundred of thousands or I would even go as far to say millions of people who have shortwave radios and are regular listeners is very short sighted. Myself and many others are asking why, why, why? What's going on?

I think we need to examine when all this started happening. In the early 90s just after the collapse of Communism in Europe, stations started to think how to get listeners to listen. This is around the same time many managers of SW stations started to retire. The new generation of managers (I should also state not all) are just that: managers. Many of them know nothing or little about radio—let alone shortwave—to be able to create programs for an international audience that wants to tune in. It's almost like when lawyers and accountants took over the music industry.

Many of the new generation of station managers think that switching off shortwave and relaying on internet and satellite is the way to go. A few years ago I was at a radio conference in Tokyo, Japan and the director of a well-known station—sorry, I won't mention any names—said that shortwave is dead. During the question and answer period of his speech, I had a number of questions I wanted to shoot off. My first question was "Have you ever listened to shortwave or do you even own a shortwave radio?" His answer was "No!" And he's running

a shortwave station? My second question was "How do you know people don't listen to shortwave?" Well, this was when I could not believe my ears. He said that recently he and a number of other directors from Radio Blablabla went to the US, Canada, Australia and some countries in Africa and found no one listened to shortwave, let alone radio. This led me to my third question: "Where exactly did you go?" His reply: New York, Boston, LA, Brisbane, etc, etc, etc. That's when I and a few others in the room started to giggle. I then said, "Wait a min. Did you go anywhere without a 4 or 5 star hotel? Did you go anywhere in the US or Canada which is not a big city?" He said "No!" He then added they could get a much larger audience by having programs relayed on local FM and AM stations. My reply to him was "That's great! But when do your programs air?" This is when he seemed a bit shocked, as I was well prepared and started to list off some relays. I said yes, your station Radio Bla bla bla is on local radio in Canada on the CBC (Canadian Broadcasting Corporation). Would you like to know the time? 4am. Radio Sweden is also on the CBC at 2:30am. Oh, your program is also on NPR in Burlington, Vermont at 5:30am; Seattle, Washington on Sundays at 11pm. And I went on and on and on. I said yes, the domestic relays are good, but you have no control over when local stations put you on air, whereas before people could listen on any number of frequencies at almost anytime. And you're bringing in a new audience? Who? It was at that point he said he needed to run to another appointment.

Another point is content. In the last 15 years or so it seems that all shortwave stations do is news and more news, all trying—I say TRYING—to be like a mini BBC or VOA. After a while if you tune in you will find that the majority of the news put out by the small to medium international broadcasters is all the same. If I want to find out what's going on in my corner of the world I tune to the BBC. Why would I listen to Radio Bla bla bla for an hour to hear the same thing that's being broadcast by the BBC? If I tune to stations like Radio France, Deutsche Welle, Radio Netherlands or Radio Canada International, I want to hear something different.

Like a good program about music, culture or something silly. I strongly believe that if SW wants to catch an audience, stations need to do something different. People at one time did and still do tune in for interesting content, interesting personalities, but now it's nothing more than generic McDonald's for the ears. It's no wonder people don't tune in as much.

My next point is budget. Yes we have seen budgets at stations cut, but maybe it's time to not cut back on programming, but rather to look at the way you do programs. Radio Canada International, which has had severe cut backs since the early 90s, could be a case in point. RCI, like some other international broadcasters, have so much overhead it's not funny. At RCI you have in-studio technicians. What luxury. In almost every station I've worked at as an announcer/producer you did your own technical work. And now with the new studio technology it's even easier than it was 10 years ago when tape and LP's were still widely used. When I was at China Radio International, I used to produce and present a daily 30-minute current affairs program called Real-Time China. How many people helped me? Zero! I would set up interviews, research, write, edit and transmit the program to master control for broadcast to North America and Europe. But yet stations like RCI and others have people that do these things for the producers and presenters. I mean really, what luxury! So when cuts are made, where is it? First programming, then frequencies and third staff. Then what do you have? Programs no one hears or let alone listens to!

Something that many programmers and managers don't think of is how important SW is even to a region like North America. Do any of them know how many people tuned in during the aftermath of Hurricane Katrina? From what I've been able to find out, SW was the only way to hear news, as many of the local stations had no power or were knocked off air when their transmitter sites were damaged. During the 2005 tsunami, which devastated Indonesia, Sri Lanka, India, Thailand, and Maldives with almost 300, 000 people killed, shortwave was the only way to send and receive infor-

mation. In 2006 an earthquake off the coast of Taiwan damaged an underwater fiber optic cable which made internet traffic come to a snails pace. I remember for almost 2 months trying to listen to radio online, but it was impossible. But guess what? My radio worked. During the earthquake in China that killed nearly 70,000 people in Sichuan Province, SW was also the only way to keep local people informed and to inform relief workers who were in the region. I could continue to give more examples.

Let's move to China. Some stations feel that maybe shortwave to the People's Republic is not a good idea because of the amount of jamming done by Chinese authorities with FIREDRAKE. This is silly. I lived in Beijing for over 8 years and never had a problem to tune in. Yes it's true that frequencies directed to China were jammed, but all I had to do was tune to a frequency for let's say Africa or Eastern Europe, and had no problem to listen. This is the magic of shortwave. You can have a program directed only to Europe or somewhere else, but you can also listen in a different region as the signal is bouncing around. Try listening to online radio in China from VOA! BLOCKED! Radio Canada International, BLOCKED! And the station websites which are not blocked from RFI, DW, RN or Radio Sweden can't be listened to online because of the Great Firewall Of China which slows down everything so much it can take up to an hour—sometimes more—for a program to be downloaded.

So finally. Is shortwave dead? No! Stations, managers and programmers just need to stop thinking of the internet and domestic relays as new toys. If it's not broken, don't fix it, improve it. My feeling is that over the next 10 years or hopefully less, the stations, people and governments that have cut shortwave will wake up and say "What have we done?" Yes it's true that nowadays there is much more competition with the 300 TV channels that are delivered to our homes, or we can just click and listen to our favorite program. But radio and shortwave is still the most economical medium.

To end, I would like to say to every international broadcaster: Produce interesting programs that will make people want to listen on shortwave. Yes, music does not sound that great on SW, but if you have good radio personalities and interesting programs people will listen. Promote shortwave as a very economical means to reach millions of people. Look into how to improve your shortwave signal instead of just cutting it. And do something for all the loyal shortwave listeners that are now cut off and have no other way to tune in anymore. Bring back the respect we all once had.

Editor's Note: An audio version of this commentary running about 11 minutes is available as an mp3 file upon request from info@wrmi.net.

Two stalwarts of shortwave respond to Keith's remarks...

Anyone who has heard me speak about shortwave in the post-SRI era will know that I concur completely with Keith Perron's assessment. It's as though we were in collusion. I assure you, we are not! His perception is, in my view, spot-on. My praise, compliments and congratulations go to him for adding his outspoken voice to this subject, and for his courage to stand up to management in Tokyo. The gentleman concerned obviously lost a lot of "face", but it was his own fault. Hats off to you, Keith!

Bob Zanotti
Swiss Radio International
Switzerland in Sound

Bravo!!! and many of them to Keith for some extremely cogent comments on the present state of affairs in SW broadcasting, or should I say international broadcasting.

Keith certainly hit the nail right on the head in taking the bean counters and the so called "managers" to task for their attitudes and total lack of knowledge about the business they were in, as well as the advantages of using SW as a broadcast medium. When Keith was recounting the

time he attended the conference in Tokyo and gave that unidentified station director a good grilling in the Q & A session, I could just visualize the squirming in his seat that this incompetent person must have done. This director might just as well have been the director of a shoe factory, because he certainly didn't have a clue about what SW is all about! Let's hope that many of this person's international broadcasting colleagues read Keith's comments. I can't help but wonder though, whether it would have any effect at all even if they do.

Keith's commentary made me realize just how fortunate I was during in my career in international broadcasting. Having had a technical background I had a great interest in the engineering side of SW broadcasting and was well versed in things like back of the beam coverage and out of target area reception, several of the things that Keith mentioned in his commentary. I was extremely fortunate, since at one time I was producing the majority of the weekend feature programs heard on all of RCI's English transmissions, to have been allowed to decide which programs went on which transmissions to the various target areas. I'm sure that there were very few of my international broadcasting colleagues, program producers at other stations, who enjoyed this freedom. I have always been extremely grateful for this.

I did however suffer the slings and arrows of management during program evaluation sessions, whose theories did not match what I had heard directly from listeners whenever I attended an SWL gathering in Canada, the USA or Europe. According to the management people I shouldn't run anything on my programs that lasted any longer than two and a half minutes. The theory being that the listeners' attention span was only that long for any given topic. What utter rubbish, as I'm sure the vast majority of my listeners would agree. I never agreed with that particular dictat, and I never did adhere to it! I guess I was lucky and just kept getting away with it!

Keith's commentary should be required reading for anyone in management of the stations that are left on SW these days. Sadly it's too late for the stations that are no longer on the air.

Ian McFarland

Radio Canada International

Radio Japan

We encourage you to submit your comments on this piece to the Musings section of The Journal.

DRM USA and NASB Annual Meetings

Last Call for Registration for 2009 NASB-DRM USA Annual Meetings

You can still register for the 2009 NASB-DRM USA annual meetings in Nashville, Tennessee on May 7 and 8. Anyone interested in or involved in shortwave radio is welcome to attend. The meetings will take place at the Holiday Inn Express in downtown Nashville. Registration is completely free of charge; you only need to pay your own travel and lodging expenses. If you plan to attend and have not already done so, please notify NASB Secretary-Treasurer Dan Elyea that you will be attending. His e-mail is: fsiyfr@okeechobee.com.

Here is the latest tentative agenda for the work sessions of the meetings:

Thursday, May 7, 2009—DRM USA Annual Meeting

9:00 am—Opening of DRM USA Annual Meeting in the Holiday Inn Express Amphitheater. Welcome remarks from World Christian Broadcasting, WWCR and DRM USA officers. The Amphitheater meeting room is sponsored by **TCI International**.

9:05 am—The Latest Developments in Digital Radio Mondiale—Adil Mina of Continental Electronics and the DRM Consortium will report on what is happening with DRM around the globe.

9:30 am—WinDRM: Amateur Radio's DRM Evolution—One of amateur radio's digital voice and image transfer modes was derived from DRM's Dream receiver/transmitter software. Mel Whitten, who holds amateur radio callsign KOPFX, will talk about how these amateur modes were developed, how they are used and the transmitting and receiving equipment used.

10:00 am—A Profile of Ten-Tec—the Tennessee company that makes HF radios for amateurs and shortwave listeners. The Ten-Tec RX-320D was one of the first DRM software-capable receivers on the market. The speaker will be Gary Barbour.

11:00 am—Question and Answer Session with NASB Attorney Edward Bailey

Friday, May 8, 2009—NASB Annual Meeting

9:00 am—Opening of NASB Annual Meeting in the Holiday Inn Express Amphitheater. Welcome remarks from NASB officers. The Amphitheater meeting room is sponsored by TCI International.

9:15 am—Panel Discussion: The State of Shortwave Listening and Broadcasting in Europe. Panelists will include Michael Murray, former Secretary General of the European DX Council.

9:45 am—Sports Programming on Shortwave—Independent producer Bruce Baskin will tell about his experiences with World Cricket Today and World Baseball Today on shortwave.

9:55 am—Update on Digital Aurora Radio Technologies DRM project in Alaska by Don Messer

10:15 am—New Technologies from Galcom International—an update on Galcom's new suitcase-sized transmitter and the possibility of a low-cost DRM receiver.

11:00 am—Madagascar World Voice, African shortwave project of World Christian Broadcasting

11:30 am—Kintronics and its involvement in HF broadcasting, by Tom King, President, Kintronics Labs of Bristol, Tennessee

2:00 pm—NASB Business Meeting, including plans for next year's annual meeting in Canada

4:00 pm—NASB Business Meeting ends, conference ends. Brief closed meeting of the NASB Board.

Hotel Reservation Details

The Holiday Inn Express at 920 Broadway in downtown Nashville is accepting reservations for hotel rooms during the 2009 NASB Annual Meeting. The rate is \$125.00 per room for single or double occupancy (plus local taxes). You can guarantee your reservation with a credit card, and your reservation can be canceled without penalty until three days prior to arrival. To make your reservation, call toll-free (in the U.S.) +1-888-465-4329, and be sure to mention that you are part of the National Association of Shortwave Broadcasters meeting in order to get the special conference rate. The group code is NAS.

Items from the Association for International Broadcasting (AIB)

Azerbaijan citizens have been without access to international radio services carried via local broadcasters since the end of December. Affected are RFE/RL, VoA and the BBC. Azerbaijan's National TV and Radio Council ruled that national frequencies could not be used for international radio stations, although the international stations had agreements in place for rebroadcasting in the country. Speaking in Prague, RFE/RL President Jeffrey Gedmin said the decision was regrettable and "deeply disappointing." "We are known there as a source of independent, credible, accurate news and information," Gedmin said. "This decision to knock us off the air and, by the way, others -- the Voice of America, the BBC -- is going to rob the people in this country of important information that they need to react and act on as they're leading their lives and trying to grow and build civil society." The media freedom representative for the OSCE, Miklos Haraszti, said "With this decision, the monopolisation by government-friendly voices of the airwaves of the broadcast media is practically almost complete, and that's a very regrettable start to the eve of the next year." Turkey's TRT appears to be exempt from the ban, continuing to broadcast in Azerbaijan.

Pharos has completed a major contract for BBC World Service. In the role of prime

contractor, Pharos was selected to supply content management and automation for 68 channels of radio programming together with automation for live and time-shifted content payout. Central to the project is a Pharos Mediator content management platform which has been chosen to integrate the network's ingest, media workflow, transfer management, router control and payout. Mediator includes a task-specific web-based user interface which guides operators and supervisors through the workflow and allows search and browse of any material from their desktop. World Service workflows are prioritised and resources managed by Mediator based on the demands of an integrated programme schedule. A total of 32 channels are configured as complete payout-capable subsystems, each safeguarded by a fully mirrored channel. "This latest contract was awarded after a lengthy OJEC process," said Nigel Fry, Head of Transmission & Distribution at BBC World Service. "A full audit was conducted which Pharos passed with high recommendations. Pharos was then commissioned to look at our current operation and to co-operate with staff in creating an outline requirement for a future payout and routing infrastructure to cover the entire World Service operation." Find out more on this story at the AIB website.

Please notice:

The recently announced postage increase requires that NASWA dues be raised \$1.00 a year for all members. Granted, a 2¢ increase amounts to only 24¢ a year, but this is the second and perhaps third such increase since NASWA dues were last raised and they're starting to add up. Beginning June 1, 2009 dues will be \$30.00 for U.S. members, \$32.00 for Canadian members, and \$37.00, \$41.00, and \$43.00 for overseas members depending on their location. You may prepay if you wish. Please add \$1.00 when using PayPal.

Listener's Notebook

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

BANGLADESH *Bangladesh Betar* refurbished website with lot of info: <www.betar.org.bd>

Bangladesh Betar External Service on 7250 kHz in A-09:

1230-1300 English
1315-1345 Nepali
1400-1430 Urdu
1515-1545 Hindi
1600-1630 Arabic
1630-1700 Bangla
1745-1815 English - V.O.Islam
1815-1900 English
1915-2000 Bangla

(Supratik Sanatani, DX Listening Digest Apr 6; update by Dave Kenny-UK/WWDXC TopNews/Bueschel, Germany)

BELARUS I have checked the Belarusian home service channels in 49 and 41 meter bands at various times, since I noted them off on Apr 01. The stations seem to have reduced their schedules considerably from 0400-2200 during B08 to 1500v-2100 in the present A09 period. Their sign on times have been observed as follows in April:

*1430: BR1 in Brest 6010, Hrodna 6040, BR2 in Hrodna 7265, BR1 Hrodna 7280 (ex 7110).
*1440: BR1 in Brest 6070, Minsk 6080,
*1500: BR1 in Minsk 6115, Mahilio 6190, Mahilio 7135 (ex 7145).

(Petersen, Denmark/DSWCI DX Window)

BELGIUM (non) Summer A-09 of TDP stations:

Moj Them Radio:

0100-0130 Hmong 15260 TAI Mo/We/Fr

Haiv Hmoob Radio:

0100-0130 Hmong 15260 TAI Tu

Hmong World Christian Radio:

0100-0130 Hmong 15260 TAI Sa

Hmong Lao Radio:

0100-0200 Hmong 15260 TAI Th/Su

Denge Mezopotamya:

0400-1400 Kurdish 11530 SMF
1400-1800 Kurdish 11530 SMF
1800-2000 Kurdish 7540 SMF

Aso Radio:

0530-0600 Hausa 9680 ARM Mo-Fr
1600-1630 Hausa 15215 ARM Mo-Fr

TDP Radio in DRM:

0000-0100 9790 SAC
0800-0900 6015 ISS Mon
0900-1000 6015 ISS Tu
1000-1100 6015 ISS We
1100-1200 6015 ISS Th
1200-1300 6015 ISS Fr
1300-1400 6015 ISS Sa
1400-1500 6015 ISS Su
1500-1600 6015 ISS

Que Huong Radio:

1200-1300 Vietnamese 15680 DB We-Fr

Ethiopian Orthodox Tewahedo Church/Holy Synod Radio:

1600-1700 Amharic 15340 SAM Mo

Addis Dimts Radio:

1600-1700 Amharic 15195 SAM Su

Radio Xoriyo Ogadenia:

1700-1730 Somali 15350 SAM 17870 SAM Mo/Fr

Ginbot 7 Radio:

1700-1730 Amharic 15350 SAM 17870 SAM Tu/Th/Sa

Radio Bilal:

1700-1800 Amharic 15350 SAM Su

Radio Asena:

1730-1800 Tigrinya 15350 SAM Mo/We/Fr

Voice of Meselna-Delina in Tigrinya:

1730-1800 Tigrinya 15350 SAM Tu/Th/Sa (DX Mix, Bulgaria)

BRAZIL 4877.59 *Radio Difusora Roraima Boa Vista* possibly the one at 2330 to 2338 as a reactivation. Any Brasil dxers have this one now? (Wilkner-FL, April 6/Cumbre DX) [Subsequently confirmed by DX Clube do Brasil]

CLANDESTINES

5950 *Zimbabwe Community Radio*, Dhabbaya, United Arab Emirates, has moved again, this time to 5950 (ex 5995, ex 5935). Refers to the "broadcast from U.A.E. on 5950 kHz between 10 and 11 p.m." (= 2000-2100 UTC). Fair signal on Apr 09, but 5995 was better in Johannesburg. (Korinek in DXplorer/DSWCI DX Window/Petersen, Denmark)

12050 *Radio Biafra*, via Skelton, *1859-1932, Apr 09, political talk in English and Vernacular, IDs: "You are listening to Radio Biafra coming to you from London." (Robic, Austria/DSWCI DX

Window/Petersen, Denmark) Scheduled 1900-2000 towards Nigeria, 300 kW. Broker: VTC. (Petersen-DK)

17520 *Voice of Biafra International*, via WHRI Cypress Creek, SC, USA, *1900-1945, Fr Apr 10, oratorical style. I later checked 11885 after 2100, the time it was heard on Fr 03, and this frequency was not even on the air. (Hauser-OK/DSWCI DX Window/Petersen, Denmark)

FRANCE RFI A-09:

0100-0130	Spanish	9750
0400-0430	English	9805 11995 Mo-Fr
0400-0500	French	7265 9790 11700
0500-0530	English	11995 13680 Mo-Fr
0500-0600	French	7265 9790 11700 13695
0600-0630	English	9765 11610 15160 17800 Mo-Fr
0600-0630	French	13675 15300
0600-0630	Hausa	9805 11995
0600-0700	French	11700 13695
0600-0700	Portuguese	11830
0630-0700	French	13675 15300
0700-0730	English	13675 Mo-Fr
0700-0730	Hausa	11615 13685
0700-0800	French	13695 15170 15300
0700-0900	French	17850
0700-1130	French	15300
0800-1000	French	17620
0930-1030	Mandarin	7325 11875 12025
1000-1030	Spanish	9825 5970
1100-1130	Lao	15680
1100-1200	French	17525
1130-1200	French*	6175 13640 15300 17800
1200-1230	English	21620
1200-1230	Spanish	13640
1200-1300	French	17850
1200-1400	French	17620
1200-2000	French	15300
1300-1330	Russian	15160 17805
1400-1500	Vietnamese	7380
1430-1500	Persian	15360 17850
1500-1530	Russian	13625 15215
1500-1600	Vietnamese	9565
1600-1700	English	15605 17605
1600-1700	French	17620
1600-1700	Hausa	15315
1600-1800	French	17850
1600-1800	Portuguese	15530
1700-1800	Persian	11695
1700-1900	French	15300
1700-2000	French	13695 17320
1800-1900	Russian	9805 11715
1800-2000	French	11705
1900-2000	French	9790
2000-2100	French	11700
2000-2200	French	5895
2100-2130	Spanish	17630
2200-2300	Mandarin	12045
2300-2400	Mandarin	9955 11665

*Parte Meteo Marine (via Jose Miguel Romero, Spain, April 4/DX Listening Digest/Hauser-OK)

GERMANY/SLOVAKIA 9510 Radio Joystick, via Rimavska Sobota, Slovakia (150 kW, non-directive towards Europe/Middle East and North Africa), 0800-0900, during A09 scheduled on the first Sa each month in German. Broker: NEXUS International Broadcasting Association in Milano, Italy. New address: Radio Joystick Postfach (Post Office Box) 23 31 D-55512 Bad Kreuznach, Germany <http://www.radiojoystick.de>. Everyone who writes in via snail mail will receive one of the very new Radio Joystick all-weather-stickers, 7 x 5 cm small, 4coloured, showing the movie set "Popeye Village" on Malta - and the new address! (Prince, Apr 05, and Ivanov, via BC-DX and Gupta, Apr 06/DSWCI DX Window/Petersen, Denmark)

LIBYA Tentative summer A-09 of LJBC *Voice of Africa*:

1200-1557	Swahili/En	17725 SAB
1200-1557	Swahili/En	21695 SAB
1600-1657	French	15660 SAB
1600-1657	French	17725 SAB
1700-1857	Fr/Hausa	11995 SAB
1700-1857	Fr/Hausa	15215 SAB
1900-1957	Hausa	11600 SAB
1900-1957	Hausa	11995 SAB
2000-2157	Arabic	7215 ISS

(DX Mix, Bulgaria)

LITHUANIA (non) Updated summer A-09 of Sitkunai Relays:

0100-0158	9490 <i>Radio Free Asia</i>	Uighur
0200-0258	6110 <i>KBC Radio</i>	English Su
0300-0358	9635 <i>Radio Liberty</i>	Tatar Bashkir
0500-0558	9635 <i>Radio Liberty</i>	Tatar Bashkir
0630-0728	9770 <i>IRIB</i>	Italian
1430-1528	6145 <i>IRIB</i>	Russian
1730-1828	6180 <i>IRIB</i>	German
1830-2028	5945 <i>IRIB</i>	French/English
2030-2228	6055 <i>IRIB</i>	Spanish + <i>KBC Radio</i> English

(DX Mix, Bulgaria)

MADAGASCAR/SOUTH AFRICA 5895 via Meyerton-AFS ? From March 20, WRN was transmitting Radio Mada on 5895 kHz to Madagascar at 1700-1730 and 0400-0430 UT. WRN says the last broadcast was Monday April 6 at 0400; they suddenly stopped, not sure why. (Glenn Hauser-OK, April 8/Cumbre DX)

Details:

A station calling itself Radio Mada Internationale (but apparently not connected with the domestic station called Radio Mada that has been on the air since 1995) has begun daily broadcasts on shortwave. The station supports the deposed president Marc Ravalomanana. Broadcasts are scheduled at 0400-0430 and 1700-1730

UT on 5895 kHz. There are also broadcasts every three hours from 0300 UT on the website at <<http://www.radiovazogasy.com>>

The station is an initiative of Tiako I Madagasikara (I Love Madagascar, TIM) which is a political party in Madagascar founded by a group of individuals on July 3, 2002 to support President Marc Ravalomanana. It is now the largest party in the National Assembly of Madagascar with 106 of 127 seats, after the parliamentary election held on September 23, 2007 (Source: Wikipedia).

The existence of this station was first reported by Glenn Hauser on the DX Listening Digest mailing list. The location of the transmitters is not yet known. (Andy Sennitt-HOL RNW Media Network, Mar 22)

Where is Radio Mada coming from politically? Some items from Jan and Feb on the website call the TGV movement "terrorist", and they are pro-democracy and constitutionalism. In fact, they publicize pro-Ravalomanana demonstrations scheduled for March 21 in Paris and Reunion. So now the resigned president has a clandestine voice. (Glenn Hauser-OK-USA, DX Listening Digest Mar 24)

I presume this is the same Radio Mada that has a website at <<http://www.radiomada.com/>> (Andy Sennitt-HOL, DX Listening Digest Mar 23)

NEW ZEALAND A-09 schedule of *Radio New Zealand International*:

0459-0658 11675* 11725
 0659-1058 6170 7285*
 1059-1158 7285* 9655
 1259-1550 6170
 1551-1750 6170* 7285
 1751-1850 6170 7285*
 1851-1950 9615 9890*
 1951-2050 9890* 11725
 2051-2235 13730 15720*
 2236-0458 13730* 15720

* DRM
 (DX Mix, Bulgaria)

PAPUA NEW GUINEA 2410 *Radio Enga*, Wabag (p), 1110-1120, Apr 07, a male and female talking together in English. Noise is very strong. Threshold signal did not improve. (Bolland-FL/DSWCI DX Window/Petersen, Denmark) Reactivated after tribesmen attacked the tower system in July 2007? (Petersen-DK)

PERU 5014.33 *Radio Altura*, Cerro de Pasco (p), 0035 and 0225-0243*, Apr 05, Spanish animated talk, one Huayno sung by a woman, more talk mentioning Pasco, no ID heard, abrupt s/off in mid sentence. Has been off the air since August 2008! Seems reactivated with a strong transmitter. Not

heard the following nights. (Bernardini, Italy and Petersen, Denmark/DSWCI DX Window)

ROMANIA Updated A-09 schedule of *Radio Romania International*:

0000-0056	English	6135 9580
0000-0056	Romanian	7335 9525
0100-0156	French	7365 9560
0100-0156	Romanian	7335 9525
0200-0256	Spanish	5975 9520 9645 11945
0300-0356	English	6150 9645 9735 11895
0400-0426	Chinese	15215 17780
0400-0456	Romanian	7350 9510
0430-0456	Russian	7300 9555
0500-0526	French	7215 9655 11790 15350
0530-0556	English	7305 9655 15435 17770
0600-0626	German	7230 9740
0630-0656	Arabic	9685 9700 11730 11790
0700-0756	Romanian	9700 11970 15260 17720 "Curierul romanesc" Su
0800-0856	Romanian	9700 11870 11970 15450 "Curierul romanesc" Su
0900-0956	Romanian	11830 11925 15250 15380 "Curierul romanesc" Su
1000-1056	French	11830 15250 15380 17785
1100-1156	English	11775 15210 15430 17730
1200-1256	German	9675 11875
1200-1256	Romanian	7300 11920 15195
1300-1326	Chinese	15435 17600
1300-1356	Romanian	11920 15195
1330-1356	Russian	9790 11835
1400-1426	Italian	7320
1400-1456	Arabic	9605 11820 11945 15160
1430-1456	Aromanian	7320
1500-1526	Ukrainian	5945
1500-1556	Romanian	9855 11895
1500-1556	Russian	7325 9690
1530-1556	Serbian	6025
1600-1626	Italian	5980
1600-1656	French	9680 11950
1600-1656	Romanian	7205 9690
1630-1656	Aromanian	5980
1700-1726	Ukrainian	6135
1700-1756	English	9535* 11735
1700-1756	Romanian	9625 11970
1730-1756	Serbian	6105
1800-1826	Italian	5955
1800-1856	German	7440 9775*
1800-1856	Romanian	9625 11970
1830-1856	Aromanian	5955
1900-1926	Ukrainian	5910
1900-1956	Romanian	9690 11970
1900-1956	Spanish	9580 11715
1930-1956	Serbian	6145
2000-2026	French	6065 9655
2030-2056	English	9765 11810 11940 15465

2100-2156	Spanish	9755 11965
2200-2256	English	7440 9675 9790 11940
2300-2356	Spanish	6100 9655 9745 11955

*DRM
(DX Mix, Bulgaria)

SLOVAKIA Summer A-09 of *Radio Slovakia International*:

0100-0127	English	5930 9440
0130-0157	Slovak	5930 9440
0200-0227	French	5930 9440
0230-0257	Spanish	5930 9440
0700-0727	English	9440 11650
0730-0757	Slovak	9440 11650
0800-0827	German	5920 6055
1300-1327	Russian	7345 9440
1330-1357	German	5920 6055
1430-1457	Spanish	9440 11600
1500-1527	Russian	7345 9535
1530-1557	Slovak	5920 6055
1600-1627	German	5920 6055
1630-1657	English	5920 6055
1700-1727	French	5920 6055
1730-1757	Russian	5920 7345
1800-1827	German	5920 6055
1830-1857	English	5920 6055
1900-1927	Slovak	5920 6055
1930-1957	French	5920 6055
2000-2027	Spanish	9695 11650

(DX Mix, Bulgaria)

SOMALIA *Radio Hargeisa*, the national radio of Somaliland, has resumed regular broadcasts on shortwave, apparently from a new transmitter. Radio Hargeisa was established in 1948, but first started broadcasting in December 1951. However in 1988, it was destroyed by the forces of Siyad Bare, the last Somali dictator. For the past year, it has been undergoing some major improvements to its services and reception.

On Monday, Somaliland students in Yemen were able to listen to Radio Hargeisa for the first time in many years, while on Wednesday it was received in Japan for the first time on 7145 kHz at 1759 UT [Other reports say that tests started a year ago on 7120 kHz].

On Friday, Somaliland students studying in neighbouring countries were able to listen to Radio Hargeisa. The station broadcasts Somali music, news and other current affairs, mainly broadcasts in the Somali language. (Source: SomalilandPress)

Andy Sennitt adds: Radio Hargeisa has been reported sporadically on various 7 MHz frequencies in recent years, but apparently from a low power transmitter. The headline in this report from SomalilandPress was Radio Hargeisa goes global, which indicates that a new higher powered transmitter is now in regular use (April 4th, 2009 - 16:15 UTC by Andy Sennitt, Media Network blog/ DX Listening Digest/Hauser-OK)

THAILAND *Radio Thailand* sked effective

March 29:		
0000-0030	English	15275
0030-0100	English	15275
0100-0200	Thai	15275
0200-0230	English	15275
0230-0330	Thai	15275
0530-0600	English	17655
1000-1100	Thai	11870
1100-1115	Vietnamesea	7260
1115-1130	Khmer	7260
1130-1145	Lao	6030
1145-1200	Burmese	6030
1200-1215	Malaysian	11870
1230-1300	English	9890
1300-1315	Japanese	9455
1315-1330	Mandarin	9455
1330-1400	Thai	9455
1400-1430	English	9455
1800-1900	Thai	9680
1900-2000	English	7570
2000-2015	German	9680
2030-2045	English	9680
2045-2115	Thai	9680

(via Jose Miguel Romero, Spain, April 3/DX Listening Digest/Hauser-OK) So has 15275 really replaced the others at 0000, 0030, or added? (gh)

TUNISIA Summer A-09 of *RTV Tunisia* in Arabic:

0200-0500	9725 12005
0400-0800	7275 7335
1600-2100	9725 12005
1600-2400	7225
1700-2400	7345

(DX Mix, Bulgaria)

TURKEY Updated summer A-09 schedule for *Voice of Turkey*:

0000-0155	Turkish	7260
0100-0155	Spanish	9770 9870 second frequency-additional
0200-0255	Uyghur	9510
0300-0355	English	5975 6165 7325SAC
0400-0555	Turkish	6040 11980
0600-0855	Turkish	11750 11955 13635
0700-0755	Azeri	11730
0830-0955	Persian	11795
0900-0955	Arabic	11690 11750
0900-1255	Turkish	11955 13635
1000-1025	Tatar	13770
1000-1055	Georgian	9655
1030-1055	Uzbek	15280
1100-1125	Bulgarian	7210
1100-1155	Chinese	15240
1130-1225	German	13760
1200-1225	Turkmen	11825
1200-1255	Urdu	13710
1230-1325	English	15450 15520
1300-1355	Russian	11965
1300-1555	Turkish	9840 + 9460 from Aug.2
1330-1355	Kazakh	11880
1400-1455	Arabic	9540 15285
1400-1455	Uyghur	15180
1500-1525	DARI	11765
1500-1555	Persian	9760
1530-1555	Pashto	11765

1530-1625 Azeri 9530
 1600-1625 Uzbek 11765
 1600-2055 Turkish 5960 + 9460 from
 Aug.2
 1630-1655 Italian 9610
 1630-1725 Spanish 11930
 1730-1825 German 11835
 1830-1925 English 9785
 1930-2025 French 5980 9535
 2030-2125 English 7205
 2200-2255 English 9830
 (DX Mix, Bulgaria)

UNITED STATES Here's the latest complete
 IBB schedule by frequency:

3995 1800-1830 BIB RFE MD MO-FR
 3995 1830-1900 BIB VOA ALBA
 4930 0300-0600 BOT VOA ENGL
 4930 1400-1700 BOT VOA ENGL
 4930 1700-1800 BOT VOA ZIMB
 4930 1800-1830 BOT VOA ENGL SA-SU
 4930 1800-1830 BOT VOA ENGL MO-FR
 4930 1830-2100 BOT VOA ENGL
 4940 1900-2030 SAO VOA ENGL
 4940 2030-2100 SAO VOA FREN SA-SU
 4940 2030-2100 SAO VOA HAUS MO-FR
 4960 0300-0330 SAO SAW SUDA
 4960 0400-0500 SAO VOA ENGL
 4960 0500-0530 SAO VOA HAUS
 4960 0530-0630 SAO VOA FREN MO-FR
 4960 0700-0730 SAO VOA HAUS
 4960 1800-1830 SAO SAW SUDA
 5820 1800-1900 LAM FRD PE
 5820 1900-2100 BIB RFE BR
 5830 1800-1900 KWT FRD PE
 5830 1900-2130 KWT FRD PE
 5860 0030-0200 IRA FRD PE
 5860 0200-0530 KWT FRD PE
 5860 1700-2030 UDO VOA PERS
 5865 1430-1530 PHX VOA BURM
 5865 1530-1630 PHX VOA BURM
 5880 1900-1930 IRA SAW SUDA
 5890 1200-1500 TIN VOA KORE
 5890 2300-2400 GB VOA SPAN
 5895 2200-2400 PHX VOA ENGL
 5915 2200-2300 UDO VOA ENGL
 5915 2300-2400 UDO VOA ENGL
 5925 0300-0500 LAM RFE RU
 5955 0400-0430 BIB RFE MD MO-FR
 5955 1300-1330 PHT VOA VIET
 5955 1330-1430 PHT VOA KHME
 5955 1500-1600 PHT VOA VIET
 5975 0430-0500 BIB VOA CROA
 5980 0700-0900 GB OCB SPAN TU-SU
 5980 0900-1200 GB OCB SPAN
 5980 1700-1800 BIB RFE RU
 5990 1900-2000 MEY VOA ENGL
 5995 0300-0330 NAU SAW SUDA
 5995 1700-1800 LAM RFE RU
 6030 0000-0300 GB OCB SPAN
 6030 0300-0900 GB OCB SPAN TU-SU
 6030 0900-1200 GB OCB SPAN
 6030 1130-1145 UDO RTG LAO
 6030 1145-1200 UDO RTG BURM
 6030 2200-2400 GB OCB SPAN
 6035 0000-0030 UDO VOA BURM
 6035 0530-0630 SAO VOA FREN MO-FR
 6040 0130-0200 GB VOA ENGL TU-SA
 6040 1530-1600 UDO VOA PERS

6040 1600-1930 WER VOA PERS
 6045 0500-0530 ASC VOA HAUS
 6050 1700-1900 WER RFE BR
 6060 1600-1700 WER RFE UZ
 6060 1830-1845 BIB VOA CROA
 6060 1900-2100 UDO VOA KORE
 6060 2200-2230 PHT VOA KHME
 6060 2230-2330 PHT VOA VIET
 6080 0300-0500 SAO VOA ENGL
 6080 0500-0600 SAO VOA ENGL
 6080 0600-0700 SAO VOA ENGL
 6080 1400-1700 SAO VOA ENGL
 6080 1700-1800 SAO VOA ENGL
 6080 1800-2100 SAO VOA ENGL
 6080 2100-2200 SAO VOA ENGL
 6095 0330-0430 SAO VOA KNKR
 6095 0530-0630 SAO VOA FREN MO-FR
 6105 0300-0500 LAM RFE BR
 6105 1700-1800 WER RFE BR
 6105 1800-1900 BIB RFE BR
 6110 1100-1230 TIN VOA CHIN
 6110 1230-1500 PHT VOA CHIN
 6110 2300-2400 GB VOA SPAN
 6120 0300-0500 BIB RFE BR
 6120 1500-1600 BIB RFE CA
 6135 2200-2300 UDO VOA CHIN
 6140 1200-1300 PHT VOA ENGL
 6160 1500-1600 PHT VOA ENGL
 6170 1800-1830 MEY VOA PORT MO-FR
 6170 1830-1900 MEY VOA FREN
 6170 1900-2000 MEY VOA FREN
 6170 2000-2030 MEY VOA FREN
 6170 2030-2100 MEY VOA HAUS MO-FR
 6185 2300-2400 UDO VOA BURM
 7205 0300-0500 BIB RFE RU
 7205 2200-2300 PHT VOA CHIN
 7215 0100-0200 LAM RFE KA
 7215 1730-1800 BIB VOA AZER
 7220 1900-2000 PHT RFE RU
 7225 1200-1400 TIN VOA KORE
 7225 1400-1500 TIN VOA KORE
 7225 2200-2400 UDO VOA INDO
 7230 0500-0600 LAM VOA KURD
 7235 1730-1800 BIB VOA AZER
 7250 0000-0100 UDO VOA TIBE
 7260 1100-1115 UDO RTG VIET
 7260 1115-1130 UDO RTG KHME
 7260 1500-1600 WER RFE TU
 7260 1600-1700 UDO VOA BANG
 7265 0330-0400 BIB VOA MO-FR
 7270 1600-1700 WER RFE RU
 7280 0300-0400 WER FRD PE
 7285 2000-2100 PHT RFE RU
 7290 0300-0400 LAM RFE CA
 7295 0030-0230 BIB FRD PE
 7295 1830-1845 BIB VOA CROA
 7310 1800-1830 MDC VOA PORT MO-FR
 7330 1600-1700 PHT VOA TIBE
 7340 0330-0430 IRA VOA KNKR
 7340 1600-1700 WER FRD PE
 7350 1600-1700 WER RFE TU
 7355 2030-2100 IRA VOA HAUS MO-FR
 7365 0000-0300 GB OCB SPAN
 7365 0300-0400 GB OCB SPAN TU-SU
 7365 1300-1500 PHT VOA CANT
 7365 1900-2100 UDO VOA KORE
 7380 0300-0330 BOT VOA SWAH MO-FR
 7390 0300-0400 LAM RFE TB
 7395 2159-2257 PHT RNW INDO
 7405 0300-0400 GB OCB SPAN TU-SU

7405	0400-0700	GB OCB SPAN TU-SU	9415	2200-2400	PHT VOA ENGL
7405	1200-1400	GB OCB SPAN	9440	0300-0330	SAO VOA SWAH MO-FR
7420	1500-1600	WER RFE TU	9445	1600-1700	BIB RFE RU
7430	0000-0030	IRA VOA BURM	9450	2259-2359	GB RNW SPAN
7430	0030-0100	PHT VOA ENGL	9455	1300-1315	UDO RTG JAPA
7430	0100-0200	KWT VOA ENGL	9455	1315-1330	UDO RTG MAND
7430	1400-1600	PHT VOA ENGL	9455	1330-1400	UDO RTG THAI
7430	1600-1630	BIB RFE MD MO-FR	9455	1400-1430	UDO RTG ENGL
7430	2300-2400	IRA VOA BURM	9460	0500-0530	BIB VOA ALBA
7435	1000-1400	KWT FRD PE	9465	1300-1400	UDO RFE KA
7440	1500-1600	IRA VOA VIET	9465	1900-2100	UDO RFE RU
7445	1500-1700	LAM RFE BR	9475	1900-2000	LAM RFE RU
7455	1730-1900	UDO VOA PERS	9475	2159-2357	PHT RNW INDO
7455	1900-2030	IRA VOA PERS	9480	0000-0100	UDO VOA TIBE
7460	0100-0200	IRA VOA URDU	9485	1700-1800	LAM RFE TU
7460	2200-2300	KWT VOA ENGL	9495	1500-1530	LAM RFE MD SA-SU
7460	2330-2400	PHT VOA ENGL	9505	1900-2130	LAM FRD PE
7465	1400-1500	UDO VOA TIBE	9510	1200-1400	UDO VOA ENGL
7465	1500-1530	BIB RFE KY	9510	1400-1500	WER RFE UZ
7480	1400-1500	KWT VOA URDU	9510	1900-2100	PHT VOA KORE
7480	1500-1600	LAM RFE AZ	9510	2200-2300	PHT VOA CHIN
7480	1700-1800	BIB VOA GEOR	9515	0100-0200	UDO VOA URDU
7480	1900-2000	IRA VOA ENGL	9520	0400-0700	LAM RFE RU
7480	2000-2045	IRA RFE GE	9520	1500-1600	LAM RFE RU
7480	2045-2100	IRA RFE GE SA-SU	9520	1600-1700	LAM RFE RU
7480	2200-2400	PHT VOA ENGL	9520	1700-1900	BIB RFE RU
7495	1300-1900	IRA VOA DEEW	9530	1300-1700	BIB RFE RU
7520	1500-1600	PHT VOA ENGL	9530	1700-1800	BIB VOA GEOR
7520	1800-1900	UDO RFE GE	9535	0000-0030	UDO VOA INDO
7540	1600-1700	UDO RFE TA	9535	2200-2400	UDO VOA INDO
7555	0000-0030	KWT VOA ENGL	9545	0000-0300	PHT VOA CHIN
7555	0030-0100	KWT VOA PASH	9555	0200-0300	LAM RFE TU
7555	0100-0130	UDO VOA PASH	9555	0300-0400	KWT RFE TU
7555	1600-1700	KWT RFE UZ	9565	1600-1700	PHT VOA TIBE
7555	1830-1930	KWT VOA PASH	9565	1700-2400	GB OCB SPAN
7555	1930-2030	KWT VOA DARI	9570	2230-2300	UDO VOA ENGL
7555	2030-2400	KWT VOA ENGL	9570	2300-2400	PHT VOA ENGL
7560	1400-1500	UDO RFE UZ	9575	1000-1200	TIN VOA CHIN
7565	1600-1700	UDO VOA TIBE	9590	1500-1600	PHT VOA ENGL
7570	1900-2000	UDO RTG ENGL	9600	0500-0530	SAO VOA HAUS
7575	1200-1400	UDO VOA ENGL	9605	1600-1630	BIB VOA ALBA
7575	1400-1600	UDO VOA ENGL	9635	0300-0400	SIT RFE TB
7580	1700-2130	IRA FRD PE	9635	0400-0500	WER FRD PE
7595	1830-1930	UDO VOA PASH	9635	0500-0600	SIT RFE TB
7595	1930-2030	UDO VOA DARI	9650	1259-1327	PHT RNW DUTC
9310	1300-1700	IRA VOA DEEW	9650	1800-1830	UDO SAW SUDA
9310	1700-1800	KWT VOA DEEW	9650	1900-1930	WER SAW SUDA
9310	1800-1900	IRA VOA DEEW	9660	1130-1200	GB VOA CREO MO-FR
9310	1930-2030	IRA VOA PERS	9670	1500-1530	NAU VOA UZBE
9320	1600-1700	PHT VOA BANG	9670	1700-1800	LAM RFE TU
9325	0000-0030	PHT VOA BURM	9670	1900-2000	UDO VOA ENGL
9325	1430-1530	IRA VOA BURM	9680	1800-1900	UDO RTG THAI
9325	2200-2230	PHT VOA KHME	9680	2000-2015	UDO RTG GERM
9325	2300-2400	PHT VOA BURM	9680	2030-2045	UDO RTG ENGL
9335	0030-0130	IRA VOA PASH	9680	2045-2115	UDO RTG THAI
9335	0130-0230	IRA VOA DARI	9685	1400-1500	BIB RFE TU
9335	1430-1530	KWT VOA PASH	9695	0230-0330	WER VOA PERS
9335	1530-1630	KWT VOA DARI	9695	1600-1630	LAM RFE TB
9335	1630-1730	KWT VOA PASH	9700	1130-1230	UDO VOA INDO
9335	1730-1830	KWT VOA DARI	9700	1500-1600	UDO VOA ENGL
9345	1500-1530	UDO VOA UZBE	9715	0030-0100	UDO VOA ENGL
9350	1229-1257	TIN RNW DUTC	9715	1500-1530	BIB RFE TB
9355	1300-1400	SAI VOA CANT	9720	1300-1330	TIN VOA VIET
9355	1400-1500	SAI VOA CANT	9725	0500-0600	BIB RFE GE
9355	1500-1600	PHT VOA VIET	9725	1500-1700	WER RFE BR
9370	1800-1900	BIB RFE GE	9750	0100-0200	BIB RFE KA
9380	1300-1900	UDO VOA DEEW	9760	0100-0200	UDO RFE TA
9390	1600-1700	UDO RFE UZ	9760	0200-0300	BIB RFE TA
9395	1730-1930	PHT PBS ENGL	9760	0300-0400	BIB RFE TA
9405	1900-2100	BIB RFE BR	9760	0400-0700	LAM RFE RU

9760	1200-1500	PHT VOA ENGL	11540	1330-1430	IRA VOA KHME
9760	1300-1500	PHT VOA ENGL	11550	1230-1330	UDO RFE PA
9760	1500-1600	PHT VOA ENGL	11550	1330-1430	KWT RFE DA
9760	1700-1800	WER FRD PE	11565	1630-1730	KWT VOA PASH
9770	0500-0600	NAU VOA KURD	11565	1730-1830	KWT VOA DARI
9770	1700-1800	BIB VOA KURD	11580	1630-1730	KWT VOA PASH
9780	0030-0100	PHT VOA ENGL	11580	1730-1830	KWT VOA DARI
9780	0100-0200	IRA VOA ENGL	11605	1700-1800	MDC VOA ZIMB
9780	1300-1500	IRA VOA DEEW	11605	1800-1830	IRA VOA ZIMB MO-FR
9780	1500-1700	UDO VOA DEEW	11615	1400-1500	PHT VOA CHIN
9780	1700-1900	WER VOA DEEW	11625	1200-1300	SAI VOA KORE
9790	0829-0857	SAI RNW DUTC	11635	0300-0330	SAO SAW SUDA
9790	0859-0927	SAI RNW DUTC	11635	1800-1830	IRA SAW SUDA
9790	1400-1700	UDO RFE TA	11635	1900-1930	LAM SAW SUDA
9805	1000-1300	GB OCB SPAN	11640	1600-1630	MEY VOA KNKR SA
9805	1900-2000	WER RFE TB	11700	0300-0400	IRA RFE RU
9810	1230-1300	PHT VOA LAO	11700	0800-1000	PHT RFE RU
9815	1630-1700	BOT VOA SWAH	11700	1200-1300	PHT RFE RU
9815	1700-1730	BOT VOA SWAH	11705	0100-0200	UDO VOA ENGL
9815	1730-1800	LAM VOA PORT	11705	2230-2300	TIN VOA ENGL
9815	1800-1830	GB VOA PORT MO-FR	11715	1400-1500	PHX VOA ENGL
9815	1830-1900	MDC VOA FREN	11720	1730-1930	PHT PBS ENGL
9815	1900-2000	BOT VOA FREN	11725	0030-0100	PHT VOA ENGL
9815	2000-2030	BOT VOA FREN	11725	1300-1600	LAM RFE RU
9815	2030-2100	NAU VOA FREN SA-SU	11735	0130-0200	IRA VOA BANG
9815	2030-2100	NAU VOA HAUS MO-FR	11735	1400-1500	BIB RFE RU
9815	2100-2130	BOT VOA FREN MO-FR	11740	1300-1500	PHT VOA KORE
9820	0130-0200	GB VOA ENGL TU-SA	11755	1800-1900	BIB RFE RU
9820	1800-1900	LAM RFE RU	11760	1500-1530	BIB RFE TB
9825	1300-1400	BIB VOA KURD	11760	1530-1600	IRA VOA PERS
9825	1400-1500	NAU VOA KURD	11775	0000-0300	GB OCB SPAN
9825	2300-2400	GB VOA SPAN	11780	1200-1230	BIB RFE KY
9830	2030-2100	SAO VOA FREN SA-SU	11780	1500-1530	BIB RFE KY
9830	2100-2130	SAO VOA FREN MO-FR	11780	1530-1600	BIB VOA PERS
9840	1600-1700	BIB VOA PERS	11780	1600-1700	BIB VOA PERS
9840	1830-1900	BIB VOA TURK MO-FR	11785	0700-0730	BOT VOA HAUS
9840	1900-2000	BIB RFE RU	11785	1100-1400	UDO VOA CHIN
9840	2000-2045	LAM RFE GE	11790	1600-1630	BIB RFE TB
9840	2045-2100	LAM RFE GE SA-SU	11805	0000-0030	PHT VOA INDO
9845	1200-1300	SAI VOA CHIN	11805	1230-1300	UDO VOA CHIN
9845	1300-1500	PHT VOA CHIN	11805	1300-1430	PHT VOA CHIN
9845	2200-2300	SAI VOA CHIN	11805	1430-1500	TIN VOA CHIN
9850	1600-1630	LAM VOA GEOR	11805	1700-1900	LAM RFE RU
9855	0000-0100	IRA VOA TIBE	11805	2200-2400	PHT VOA INDO
9855	0200-0300	IRA RFE UZ	11810	1500-1600	WER RFE CA
9855	0300-0400	BIB RFE UZ	11820	0130-0300	IRA VOA BURM
9855	1700-1730	BIB VOA PERS	11825	0900-1300	PHT VOA CHIN
9855	1730-1800	BIB FRD PE	11830	0000-0300	PHT VOA CHIN
9885	0300-0400	BOT VOA ENGL	11835	1700-1730	MEY VOA ENGL
9885	0400-0430	MDC VOA ENGL	11845	1300-1700	GB OCB SPAN
9885	0430-0500	GB VOA ENGL	11870	0230-0330	BIB VOA PERS
9885	0530-0630	BOT VOA FREN MO-FR	11870	1000-1100	UDO RTG THAI
9885	1130-1200	GB VOA SPAN MO-FR	11870	1200-1215	UDO RTG MALA
9885	1200-1300	GB VOA SPAN	11875	0500-0600	LAM RFE GE
9885	1800-2030	GB VOA ENGL	11880	0200-0330	PHT PBS FIEE
9885	1800-2100	GB VOA ENGL	11880	1400-1500	LAM RFE RU
9885	2030-2100	GB VOA ENGL	11885	1500-1600	LAM RFE RU
9890	1130-1230	PHT VOA INDO	11890	1500-1530	SAO VOA HAUS
9890	1230-1300	UDO RTG ENGL	11895	0959-1057	TIN RNW ENGL
9940	1530-1630	PHT VOA BURM	11895	1400-1500	LAM RFE TA
9945	1400-1500	PHT VOA INDO TH-SA	11895	2100-2130	GB VOA CREO
9985	1300-1400	SAI VOA CHIN	11905	0330-0430	SAO VOA KNKR
11510	1400-1500	UDO VOA TIBE	11905	1500-1530	SAO VOA HAUS
11520	0300-0400	IRA RFE CA	11905	1730-1800	NAU VOA OROM MO-FR
11520	1400-1500	LAM FRD PE	11905	1800-1900	UDO VOA AMHA
11520	1500-1600	IRA FRD PE	11905	1900-1930	DHA VOA TIGR MO-FR
11520	1600-1730	IRA FRD PE	11910	1430-1530	PHT VOA BURM
11520	1730-1800	IRA VOA OROM MO-FR	11925	0000-0300	PHT VOA CHIN
11520	1800-1900	IRA VOA AMHA	11925	1730-1800	SAO VOA OROM MO-FR
11520	1900-1930	IRA VOA TIGR MO-FR	11925	1800-1900	SAO VOA AMHA

11925	1900-1930	SAO VOA TIGR MO-FR	13820	1200-2200	GB OCB SPAN
11925	2200-2300	PHT VOA CHIN	13830	1400-1500	WER RFE TU
11930	1230-1300	PHT VOA LAO	13870	1730-1800	WER VOA OROM MO-FR
11930	1400-2400	GB OCB SPAN	13870	1800-1900	NAU VOA AMHA
11945	1530-1600	IRA VOA GEOR	13870	1900-1930	NAU VOA TIGR MO-FR
11950	1700-1800	NAU VOA KURD	15090	0830-0930	UDO RFE PA
11955	2200-2400	PHT VOA ENGL	15090	0930-1030	UDO RFE DA
11960	1700-1800	SAO VOA PORT	15090	1030-1130	UDO RFE PA
11965	0900-1100	UDO VOA CHIN	15090	1130-1230	KWT RFE DA
11965	1130-1230	PHT VOA BURM	15090	1230-1330	KWT RFE PA
11975	1400-1500	KWT VOA TIBE	15090	1330-1430	KWT RFE DA
11975	1500-1600	UDO RFE TA	15090	1430-1530	KWT VOA PASH
11975	1600-1700	LAM RFE TU	15090	1530-1630	KWT VOA DARI
11975	1800-1900	BOT VOA ENGL	15110	0130-0300	PHT VOA BURM
11990	1100-1230	TIN VOA CHIN	15110	0959-1057	PHT RNW ENGL
11990	1300-1500	NVS VOA CHIN	15130	0800-1000	BIB RFE RU
12005	0500-0700	LAM RFE RU	15130	1130-1145	BIB RFE GE MO-FR
12005	1300-1400	IRA RFE KA	15130	1200-1300	LAM RFE RU
12005	1400-1500	LAM RFE UZ	15130	1300-1400	SAO VOA KURD
12005	1500-1600	LAM VOA ENGL	15130	1400-1500	SAO VOA KURD
12010	1130-1230	PHT VOA INDO	15130	1700-1800	LAM VOA KURD
12015	1600-1630	LAM VOA KNKR SA	15140	1200-1230	BIB RFE KY
12025	0200-0300	IRA RFE UZ	15145	0200-0400	UDO RFE UZ
12025	1830-1900	LAM VOA TURK MO-FR	15145	2230-2400	PHT VOA ENGL
12035	2100-2130	SAO VOA FREN MO-FR	15150	0000-0200	UDO VOA CHIN
12040	1000-1100	UDO VOA CHIN	15170	1300-1400	MDC VOA SOMA
12040	1100-1500	PHT VOA CHIN	15185	2030-2100	BOT VOA HAUS MO-FR
12070	1130-1145	IRA RFE GE MO-FR	15190	1730-1930	PHT PBS ENGL
12075	1200-1300	IRA VOA ENGL	15205	0030-0100	PHX VOA ENGL
12080	0400-0500	MDC VOA ENGL	15205	0130-0200	PHT VOA BANG
12080	0500-0600	BOT VOA ENGL	15225	2030-2100	BOT VOA FREN SA-SU
12080	0600-0700	BOT VOA ENGL	15240	1045-1100	LAM VOA TURK MO-FR
12080	1600-1700	BOT VOA ENGL	15250	0700-1100	PHT VOA CHIN
12080	1700-1730	BOT VOA PORT	15255	0500-0600	IRA FRD PE
12080	1730-1800	UDO VOA PORT	15255	1100-1300	PHT VOA CHIN
12080	2000-2030	SAO VOA FREN	15265	0300-0600	UDO VOA TIBE
12080	2030-2100	GB VOA FREN SA-SU	15275	0000-0030	UDO RTG ENGL
12080	2100-2130	SAO VOA FREN MO-FR	15275	0030-0100	UDO RTG ENGL
12085	1259-1327	PHT RNW DUTC	15275	0100-0200	UDO RTG THAI
12110	1300-1400	LAM VOA SOMA	15275	0200-0230	UDO RTG ENGL
12110	1600-1800	IRA VOA SOMA	15275	0230-0330	UDO RTG THAI
12120	1430-1530	PHX VOA BURM	15280	2159-2357	SAI RNW INDO
12140	0130-0200	UDO VOA DARI	15285	0200-0330	PHT PBS FIEE
12140	0200-0230	UDO VOA DARI	15290	0030-0100	PHT VOA ENGL
12140	0230-0330	KWT RFE PA	15340	2200-2230	TIN VOA KHME
12140	1730-1800	IRA VOA OROM MO-FR	15340	2230-2330	TIN VOA VIET
12140	1800-1900	WER VOA AMHA	15340	2330-2400	TIN VOA ENGL
12140	1900-1930	WER VOA TIGR MO-FR	15365	1630-1700	SAO VOA SWAH
12150	1500-1600	IRA VOA ENGL	15365	1700-1730	IRA VOA SWAH
13570	1400-1500	SAO VOA ENGL	15380	0500-0600	MDC VOA KURD
13570	1500-1530	BOT VOA ENGL	15380	1430-1530	WER VOA PASH
13570	1530-1600	BOT VOA ENGL	15380	1530-1630	WER VOA DARI
13570	1600-1700	MDC VOA ENGL	15385	0000-0300	PHT VOA CHIN
13580	1730-1800	LAM VOA AZER	15390	1130-1200	GB VOA CREO MO-FR
13610	0700-1100	TIN VOA CHIN	15390	1630-1700	GB VOA CREO
13615	1400-1500	RMP RFE GE	15390	2100-2130	GB VOA CREO
13620	1400-1500	TIN VOA INDO TH-SA	15410	1500-1700	LAM FRD PE
13680	1300-1500	LAM VOA KURD	15410	1730-1900	GB VOA ENGL
13705	0000-0030	UDO VOA INDO	15430	1600-1630	BOT VOA SOMA
13710	0530-0600	MDC VOA FREN MO-FR	15430	1630-1700	NAU VOA SOMA
13710	0600-0630	IRA VOA FREN MO-FR	15430	1700-1800	UDO VOA SOMA
13715	1130-1200	GB VOA SPAN MO-FR	15450	1500-1530	IRA VOA UZBE
13715	1200-1300	GB VOA SPAN	15460	0200-0400	UDO RFE TU
13725	2100-2130	GB VOA CREO	15460	1130-1145	LAM RFE GE MO-FR
13740	0700-1000	UDO VOA CHIN	15460	1400-1500	BIB RFE GE
13750	1500-1530	BOT VOA HAUS	15460	1530-1630	LAM VOA GEOR
13755	1500-1530	KWT VOA UZBE	15470	0300-0400	PHT RFE RU
13755	2300-2400	UDO VOA ENGL	15490	0300-0600	IRA VOA TIBE
13760	0100-0200	UDO RFE TA	15510	0200-0330	PHT PBS FIEE
13775	2200-2300	UDO VOA CHIN	15525	0200-0400	UDO RFE TA

15530 1300-1400 LAM VOA KURD
 15530 1400-1500 LAM VOA ENGL
 15530 1500-1600 BIB VOA ENGL
 15550 1500-1600 PHT VOA ENGL
 15560 0030-0100 UDO VOA ENGL
 15565 1200-1300 IRA RFE RU
 15565 1300-1500 WOF RFE RU
 15565 1500-1600 WER RFE AZ
 15580 0300-0330 IRA VOA ENGL
 15580 0330-0600 IRA VOA ENGL
 15580 0600-0700 IRA VOA ENGL
 15580 1400-1500 SAO VOA ENGL
 15580 1500-1530 SAO VOA ENGL
 15580 1530-1700 BOT VOA ENGL
 15580 1700-1730 BOT VOA ENGL
 15580 1730-2200 BOT VOA ENGL
 15590 1130-1200 GB VOA SPAN MO-FR
 15590 1200-1300 GB VOA SPAN
 15620 1130-1230 PHT VOA BURM
 15665 0900-1100 SAI VOA CHIN
 15675 1700-1800 GB VOA ENGL SA-SU
 15680 0330-0430 KWT RFE DA
 15680 0430-0530 KWT RFE PA
 15680 0530-0630 IRA RFE DA
 15680 0630-0730 IRA RFE PA
 15680 0730-0830 KWT RFE DA
 15680 0830-0930 KWT RFE PA
 15680 0930-1030 IRA RFE DA
 15680 1030-1130 UDO RFE PA
 15680 1130-1230 UDO RFE DA
 15680 1230-1330 BIB RFE PA
 15690 0230-0430 KWT FRD PE
 15690 0430-1400 IRA FRD PE
 15725 1400-1500 IRA VOA URDU
 15730 1600-1630 SAO VOA KNKR SA
 15730 1630-1730 SAO VOA SWAH
 15730 1730-1800 BOT VOA PORT
 15730 2000-2030 SAO VOA FREN
 15730 2030-2100 SAO VOA FREN SA-SU
 15775 1700-1800 SAO VOA ZIMB
 15775 1800-1830 SAO VOA ZIMB MO-FR
 17550 1830-1900 BON VOA FREN
 17550 1900-2000 BON VOA FREN
 17550 2000-2030 BON VOA FREN
 17560 0500-0700 UDO RFE RU
 17565 1045-1100 IRA VOA TURK MO-FR
 17565 1630-1700 GB VOA CREO
 17585 1400-1430 GB VOA ENGL
 17585 1430-1500 UDO VOA ENGL
 17655 0530-0600 UDO RTG ENGL
 17670 0230-0330 IRA RFE PA
 17670 0330-0430 IRA RFE DA
 17670 0430-0530 KWT RFE PA
 17670 0530-0630 KWT RFE DA
 17670 0630-0730 KWT RFE PA
 17670 0730-0830 KWT RFE DA
 17670 1400-1500 WER FRD PE
 17685 0230-0330 UDO RFE PA
 17685 0330-0430 UDO RFE DA
 17685 0430-0530 UDO RFE PA
 17685 0530-0630 UDO RFE DA
 17685 0630-0730 UDO RFE PA
 17685 0730-0830 UDO RFE DA
 17685 0830-0930 UDO RFE PA
 17685 0930-1030 UDO RFE PA
 17685 1030-1130 UDO RFE PA
 17685 1130-1230 IRA RFE DA
 17730 0800-0900 UDO RFE RU
 17730 0900-1000 PHT RFE RU
 17730 1200-1300 LAM RFE RU

17735 0300-0400 PHT VOA TIBE
 17735 0400-0600 UDO VOA TIBE
 17740 1000-1030 IRA VOA PORT SA-SU
 17740 1400-1500 BOT VOA ENGL
 17755 1200-1600 BIB FRD PE
 17765 0000-0300 PHT VOA CHIN
 17770 0300-0400 UDO RFE UZ
 17770 0500-0600 IRA RFE GE
 17775 0130-0300 PHT VOA BURM
 17775 0700-1000 TIN VOA CHIN
 17775 1130-1230 IRA VOA BURM
 17800 0700-0730 IRA VOA HAUS
 17820 0030-0100 PHT VOA ENGL
 17845 0600-1000 IRA FRD PE
 17855 0230-0330 IRA VOA PERS
 17855 0700-1100 PHT VOA CHIN
 17895 1500-1530 BOT VOA ENGL
 17895 1530-1600 BOT VOA ENGL
 17895 1600-1700 SAO VOA ENGL
 17895 1900-2100 GB VOA ENGL
 21590 1000-1030 IRA VOA PORT SA-SU
 21705 0700-0900 UDO VOA CHIN
 21715 0530-0600 UDO FRD PE
 21715 0600-0800 UDO FRD PE
 21715 0800-1200 IRA FRD PE
 21715 0800-1200 IRA FRD PE

(IBB)[Sorry the abbreviations are too lengthy to reproduce here, but if you're a regular reader of this column you should be able to parse out their meanings. -ed]

URUGUAY A month ago, Mr. Gustavo Cirino, who is a person in charge of the technical matters of various radio stations in Uruguay and knows me from the multiple queries for updated data from radiostations for many years, called me consulting for the general use of SSB on the shortwaves by broadcast stations. He told me that URSEC, the country's regulatory telecom authority, had just urged *Radio Sarand Sport*, Rivera, to reactivate the SW on 6045 or to resign to it. The power had to be 2 KW, but using a transmitter of such power would have been so much in terms of electrical consumption. An alternate way, he thought would be to use SSB, which appears to be feasible. I have been in contact with him, and now I am expecting more info as starting date, real power to be used, equipment and antenna to use, if LSB. The schedule would be the same as on MW (890) and simulcasting it. The authorized beam is to HFCC CIRAF zone 14 (Argentina, part of Paraguay, etc.)

In the past (1980s) a 6010 **SODRE** transmitter was also fired on LSB beamed to the Antarctic Uruguayan base, but this lasted for short time and was experimental. Later SODRE discarded SSB broadcasts. Currently 6125 is active from them, but with low power and lately reported with low modulation. (Nigro, Uruguay in DXplorer, Apr 07/DSWCI DX Window/Petersen, Denmark)

CSA

Pirate Radio Report

Chris Lobdell • P.O. Box 146 • Stoneham, MA 02180-0146 • crlobdell@verizon.net

Hi and welcome to the May edition of *The Pirate Radio Report*. I'd like to say thanks to all of you who responded to my request of reports! Lots of logs thanks to Brian Alexander-PA, Dave Balint-OH, John Fisher-MA, Mike Rohde-OH and George Zeller-OH. Gee Ohio is a real hotbed of pirate DX when you add George Zeller to the mix!

Barnyard Radio, 6925 USB, noted at 2349 UTC on March 30th. Playing lots of punk music, including the Dead Kennedy's, comedy, the world famous Kidney Stone Cowboy [Rohde-OH]

Blue Ridge Radio, 6925 USB, noted on April 4th at 2330 UTC, playing bluegrass music, ID, weak signal. [Alexander-PA]

Dead Cat Radio, 6925 USB, heard on April 11th at 0205 UTC sign on. Sign on with Gregorian Chants, Dixieland Jazz, ID 0216 UTC. [Alexander-PA]

Gypsy Radio logged on 6925 USB, on April 3rd at 0009 UTC. Accordion music, ID and uncopyable gmail address. Announcer mentioned his wife Olga. ID as "This is Radio Gypsy, Goodbye For Now". [Rohde-OH]

KPR Radio, 6923.5 USB, noted on April 1st at 0141 UTC. Various types of music including country, old blues, rock. IDed as "This is KPR free from the tyranny of Obama". [Rohde-OH]

Message From Mars, 6924.8 AM, noted on April 1st at 0132 UTC with warning "Remember This Warning, Do Not Return To Mars". Station has been popping up the last few days. [Rohde-OH]

Northsea Radio, 6925 USB. Heard on April 11th at 2100 UTC. "R" rated pirate songs. Sounds of seagulls, seals and IDs. Strong. [Alexander-OH] 12 April 2009, 6925 USB at 0048 UTC with various pirate songs and sea shanties. ID by OM at 00:51 with seagulls in background "North Sea Radio" Good signal. [Fisher-MA]

Radio Free Euphoria, 6875 kHz heard at 0027 UTC. Tuned in on March 29th to hear David Bowie tune. May have signed off at 0030. Lots of static crashes. [Rohde-OH]

Radio Josephine, 6925 USB, Heard on April 3rd at 2336 UTC. Pop oldies such "Brandy" by The Looking Glass. Announcer said this was the station's maiden broadcast. [Rohde-OH]

WTCR-20TH Century Radio, 6925, heard at 0140 UTC on April 12th with various Motown and soul music, IDs, "I Heard It Through The Grapevine", etc. [Balint-OH]

The Voice Of KAOS, 6925 USB, heard on March 28th at 1458 playing "Jail House Rock" with QRM from MAC at 1500 UTC. [Rohde-OH]

Voice Of Doom, 6925 USB, on April 5th at 0215 UTC. Constant talking by male. Too weak to copy content but caught ID at 0224 sign off. [Alexander-PA]

Voice of Spike heard at 6925 USB at 0016 UTC on April 18th. Apparent new station with a format of Spike Jones novelty tunes. OM announcer says that they are the only pirate, and indeed the only radio station, with such a format. Played numerous Spike Jones tunes including "Der Fuhrer's Face." Modest level in local noise, but generally audible. Gave voiceofspike@gmail.com for reports. [Zeller-OH]

WEAK Radio, 6925 USB, on April 4th at 0200 playing some great tunes from the '70s. Led Zeppelin, Procol Harum, Alice Cooper. Big signal and low noise tonight. [Rohde-OH]


Wolverine Radio, 6925 USB, logged on March 29th at 0035 UTC, playing lots of Beatles tunes. Booming signals until a major fade at 0115 UTC. [Rohde-OH]

Happy Pirate DX!



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



**RadioFreeEurope
Radioliberty**

RFE/RL is pleased to verify
your reception of our broadcast

in Kazakhstan (language)
on 10th Dec 05 (date)
on 15.120 kHz (frequency)
from Kavala (transmitter)

Richard Dangelo
2216 Burtley Drive
Wynonissing, PA

19610 III

ARMENIA: Voice of Russia 7250
f/d "Summer Garden" cd. in
26 ds. for a VOR report
form. (Brouillette-IL).

AUSTRIA: Adventist World Radio
5970 via Moosbrunn f/d
"Child Holding a Radio to
his Ear" cd. w/ a station
sticker in 55 ds. v/s Adr-
ian M. Peterson, DX Editor
I also rcvd. several poc-
ket calendars and a very
nice holiday greetings cd.
(D'Angelo-PA).

BRASIL: Radio Aparecida 5035
f/d cd. in 2 mos. for a
taped rpt. and \$2.00.

(Smith-MA). **Radio Cancao Nova** 4825 f/d cd. rcvd. in 1 mo. for a taped
rpt. and \$2.00. (Smith-MA).

CANADA: CFVP 6030 f/d ltr. in 82 ds. Station uses only 100 watts! v/s
Richard Luddick, Broadcast Engineer. Also rcvd. station stickers.
(Tilley-WA). **CFRX** 6070 f/d cd. in 15 ds. for a rpt. signed by Steve
Canney of the ODXA. (Tilley-WA).
f/d "Newstalk CFRB-CFRX"
cd. in 45 ds. for \$1.00
(Colton-FL). **CHU** 7850 f/d



MEDIA BROADCAST

STATION NOTES: Radio Neder

lands Wereldomroep 6035

via **Issoudun** Addr: PO Box 222, NL-1200 JG Hilversum, Netherlands.

Apsua Radio 9535 via **Sukhumi** Email: apsuaradio1@mail.ru **Adventist**

World Radio 9790 via **Nauen** Addr: Viuzzo del Pergolino 1, 50139 Fir-
enze, Italy. **Lutheran World Federation** 9655 via **Wertachtal** Addr:

150, Route de Feney, CH-1211 Geneva 2, Switzerland v/s Jukka Latva-
Hakuni, Media Consultant. Email: jukka.latva-hakuni@mission.fi -or-
jukka.latva-hakuni@netikka.fi ...via PLAY DX...Sam.

RUSSIAN STATE TIME AND FREQUENCY SERVICE

Institute of Metrology for Time and Space (IMVP), GP "VNIIFTRI"
Moscow region, Mendeleeva, 141570, Russia

RWM Moscow 55°44'N, 38°12'E
4996 kHz, 9996 kHz, 14996 kHz

RBU 66.8°N, Moscow 55°44'N, 38°12'E

RTZ 50 kHz, Irkutsk 52°26'N, 103°41'E

MARK SCHIEFELBEIN

18 110 / 2006

1350 S Kimbrough, Springfield,

MO 65807 USA

Thank you for your reception report. We are pleased to verify your reception of our radio time signals
transmitted by RWM from Moscow on 9996 kHz

03.58 - 04.16 UTC 17 / 08 / 2006

Yours sincerely for State Time and Frequency Service of Russia

"Fleming: Tor-
onto, 1879 Un-
veiling a plan
for standard
time zones" cd.
in 38 ds. for a
rpt. sent to:
Raymond.pelleti
er@nrc-cnrc.gc.
ca (D'Angelo-PA)

CHINA. PEOPLES REP-

UBLIC OF: Nei
Mengg People's
Broadcasting
Station 7105
verified via
China Radio In-
ternational in
23 ds. w/ a f/d
cd. (D'Angelo-PA)

This will verify your reception of a transmission from the Date: SEP. 6, 2005
United Radio Broadcasters of New Orleans as follows: Time: 2250-2315 UTC

<input type="checkbox"/> WWL-AM New Orleans, LA 870 kHz	<input type="checkbox"/> WSMB-AM New Orleans, LA 1350 kHz	<input type="checkbox"/> WLMG-FM New Orleans, LA 101.9 mHz	<input type="checkbox"/> WTKL-FM New Orleans, LA 105.3 mHz	<input type="checkbox"/> WNOC-FM New Orleans, LA 101.1 mHz
<input type="checkbox"/> WODT-AM New Orleans, LA 1280 kHz	<input type="checkbox"/> WRNO-FM New Orleans, LA 99.5 mHz	<input type="checkbox"/> WYLD-AM New Orleans, LA 940 kHz	<input type="checkbox"/> WYLD-FM New Orleans, LA 98.5 mHz	<input type="checkbox"/> WQOE-FM New Orleans, LA 93.3 mHz
<input type="checkbox"/> WYNK-AM Baton Rouge, LA 1390 kHz	<input type="checkbox"/> WJBO-AM Baton Rouge, LA 1150 kHz	<input type="checkbox"/> WFMF-FM Baton Rouge, LA 102.5 mHz	<input type="checkbox"/> KRVE-FM Baton Rouge, LA 96.1 mHz	
<input type="checkbox"/> WSKR-AM Baton Rouge, LA 1210 kHz	<input type="checkbox"/> KLCL-AM Lake Charles, LA 1470 kHz	<input type="checkbox"/> KJEF-AM Jennings, LA 1290 kHz	<input checked="" type="checkbox"/> WHRI-SW Cypress Creek, SC <u>9.840 kHz</u>	
<input type="checkbox"/> KHEV-FM New Orleans, LA 104.1 mHz	<input type="checkbox"/>			

Joe Polett, Chief Engineer
WWL Radio

CLANDESTINE: Democratic Voice of Burma 9490
via **Wertachtal** f/d email reply in 121 ds. from Media Broadcast. v/s Michael Puetz. The reply noted "Please send your answer and reception reports to: QSL-Shor twave@media-broadcast.com The current DTK schedule can be located at: www.media-broadcast.com/en/radio/kurzweille.html (D'Angelo-PA). **FREE North Korea Radio 7530**

via **Gavar, Armenia** email rpt. verified by an email reply in 48 ds. from: Mini6915@hanmail.net v/s Min Jae Oh (mjoh6701@naver.com. (D'Angelo-PA). **Furusata no Kaze 9965** the station verified w/ a n/d personal ltr. in 24 ds. from v/s Sunouchi Tomoyuki who stated "Unfortunately, as you know, we do not issue any verification cards, but according to the description you gave us, we can confirm it was our Japanese program "Furusata no Kaze". (D'Angelo-PA).

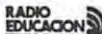
DIEGO GARCIA: Armed Forces Network f/d ltr. in 11 ds. (Rohde).

ECUADOR: Radio Voz del Napo 3280 email verification rcvd. from "Gloria and Karen" who hosts the program "Sabado de Locura" (Smith-MA).

STATION NOTES: Radio Rio Mar 9695 v/s Walter Gutierrez, Diretor Tecnico. **Radio Senado 5990** Addr: Senado Federal, Praca dos Tres Poderes, Anexo II Bloco B Terreo, CEP 70165-900 Brasilia, DF, Brasil. **Radio Varna 7600** v/s Mrs. Violetta Toncheva, Journalist. Addr: 22 Primorski Blvd., BU 9000, Varna, Bulgaria. **Radio Burkina Faso 5** 5030 v/s Pascal Goba, Chef des Programmes. Addr: BP 7029, Ouaga 03 Burkina Faso. **Radio Belarus 5970** Email: radio-minsk@tvr.by ...via PLAY DX



DIRECCION GENERAL DE
RADIO EDUCACION.
DIRECCION DE PRODUCCION
Y PLANEACION.
SUBDIRECCION DE PLANEACION
Y EVALUACION.
DEPTO. DE AUDIENCIA
Y EVALUACION.
DAE-026/00



Mexico City, August 3, 2000.

GEORGE L. GLOTZBACH,
5 HERRADA CT. SANTA FE
NUEVO MEXICO 87505-8791
ESTADOS UNIDOS.

We are so glad to receive a new report from you again. Your information is correct as always and we can say that you are a faithful listener of Radio Educación.

To us it is very important to know that the tuning of our listeners around the world is constant too and keep informing us about the quality of the radio signal.

We had the chance to know you and your wife Anette through the photo of you both in Greece.

We are sure that you enjoyed the trip to that beautiful and historical place. Thanks a lot.

We are sending your QSL card and greetings to you and yours. Keep listening to Radio Educación.

SINCERELY YOURS.


LIC. LUIS ENRIQUE PÉREZ OROZCO,
GENERAL MANAGER.

GERMANY: Radio Farda

9510 via **Wertachtal** f/d "Illuminate Your World" cd. in 168 ds. The card neglects to indicate the station name and leaves blank the transmitter location box. A far cry from the good job Dave Walcutt performed in handling such chores. (D'Angelo-PA).

RADIO AUSTRALIA broadcasts in nine languages to millions of people around the world.

We invite listeners around the world to tell us about reception in their area.

We confirm your reception report: *Henry Wisniewski*

Date/Time	Frequency	Call	SIO
11 JAN 1984 10:30 - 11:30	9580	S	

Radio Australia
GPO Box 4286
Melbourne 3001
Victoria AUSTRALIA



Transmitters:
D Darwin 130° 38' E 12° 25' S
S Shepparton 145° 25' E 38° 20' S
B Brandon 147° 20' E 19° 30' S

Picture: The home of Radio Australia, ABC Southbank Centre, Southbank Bld., Southbank, Victoria

73 Jan 1984

GOA: All India Radio 9820 via **Panaji f/d cd.** in 1 mo. for a taped rpt. and \$2.00. (Smith-MA).

HAWAII: KWHR World Harvest Radio 17800 f/d cd. in 197 ds. for \$1.00. The station must of been catching up on some old mail. (Colton-FL).

LITHUANIA: The Mighty KBC f/d cd. in 34 ds. (Rohde).

MOLDOVA: Voice of Russia 6240 via Kishinev f/d "Summer Garden" cd. in 26 ds. for a VOR rpt. form. (Brouillette-IL).

NEWFOUNDLAND: CKZN 6160 f/d "Newfoundland and Labrador" map cd. in 79 ds. for \$1.00 (Colton-FL).

PRIDNESTROVIE: Radio Pridnestrovyya I rcvd. an 8 x 11 inch QSL w/ map on the reverse side in 113 ds. v/s Mr. Vlad Butuk, Engineer of Technical Service. (Rohde). **PMR Radio 6240 f/d cd.** w/ schedule in 50 ds. for \$1.00. (Colton-FL).

NEW IRELAND: Radio New Ireland 3905 f/d cd. in 3 mos. for a taped rpt. and \$2.00. (Smith-MA).

ROMANIA: Radio Romania international 6115 2 different "Vintage Radio" cds. in 31 ds. (Brouillette-IL).

RUSSIA: Voice of Russia 7150 f/d "Winter Palace" cd. in 61 ds. for \$1.00. (Colton-FL).

SLOVAKIA: Radio Slovakia International

STATION NOTES: Radio Grodno 7100 and 6040 Addr: Ulitza Gorkogo 85, BY-230015 Grodno, Byelorussia. Email: radiotech@tvr.grodno.by/radio v/s Alexander Bakurskiy, Chief Engineer. **Voz Cristiana 15410 v/s DXer Celio Romais, QSL Manager DX Program.** Addr: C.P. 1313, CEP 20010 Rio de Janeiro, RJ, Brasil. **Radio Prague 21475 WEB:** www.radio.cz/en **Christian Voice 13830** Email: enquiry@cvc.tv Addr: P.O. Box 6361, Maroochydore, BC, Queensland 4558, Australia. **Radio Panamerica 6105 v/s Daniel Sanchez Rocha, Director.** Addr: Edificio Panamericana, 16 ds Julio, Piso 9, Oficina 902 (El Prado), La Paz, Bolivia -or- C.P. 503, La Paz, Bolivia. New WEB: www.panamericana.bo ...via PLAY DX...Sam.

Κύριε, Κύριε

Mr. Mr. *Richard A.D'Angelo*

Με ευχαριστώ ανεπίσημα για την ΑΣΗΘΗ της καταχώρισης που συμπεριέλαβε το ηχητικό μου, με το παραπάνω στοιχείο.

We are very pleased to confirm your report concerning reception of our broadcasting, having the following characteristics.

Συχνότητα/Frequency 7430 kHz

Ωρα/Time 19 29 - 19.58 UTC

Ημερομηνία/Date 20/12/04

Σας ευχαριστούμε και τις πληροφορίες που έχετε μας δοθεί.

We thank you for your report, and we will be pleased to hear from you again. With best wishes from Greece.

ERT S.A.
ERA - E' PROGRAMME
"THE VOICE OF GREECE"
431, Messolonia Av.
15342 Agia Paraskevi
ATHENS - GREECE
TEL: 6066402 - 6066297 - 6066310
FAX: 6066309

ERT S.A.
DIRECTION OF
ENGINEERING
AND DEVELOPMENT
P.O. B. 60019
15310 AGHA PARASKEVI
ATTIKIS
ATHENS - GREECE

7230 f/d "Bardejov Town Square" cd. in 85 ds. (Brouillette-IL). p/d "Trojicne Square Scene" cd. in 49 ds. for 1 IRC. (Tilley-WA).



USA: WBOH 5920 f/d "Light-house" cd w/ a red station sticker in 8 ds. for SASE. v/s A. Robins. (Brouillette-IL). **WHRI 7315 f/d cd.** in 198 ds

for \$1.00. (Colton-FL). **IBB Transmitting Station** 5890 via **Greenville** f/d cd. in 2 wks. on my second try. (Field-MI). **WWCR** 3215 f/d "Tower Field" cd. in 29 ds. for \$1.00. v/s Cathy S., Program Director. (Colton-FL).

UKRAINE: Radio Ukraine International 7440 f/d "Satellite Dish and Windmill" cd. in 34 ds. (Brouillette-IL).

VIETNAM: Voice of Vietnam calendar and other items in 60 ds. after a f/up ltr. requesting a QSL card which arrived in 68 ds. (Rohde).

ZAMBIA: CVC Africa 7160 n/d email reply in 41 ds. from the v/s "Brigitte" who apologized for the delay in getting back to me. She works on the TV side which was presenting the program feature shortwave so my report went to the TV people who do not have a QSL card. (D'Angelo-PA).

Ganden Temple Mongolia

This confirms your reception of the VOICE of MONGOLIA on March 13, 2005 at 1030UTC on 17075 kHz

[Handwritten signature]
D'Angelo
Enter VoM

© 2005 CVC Africa

Scott Barbour
Interlo N4
USA

QSL

Verification Card

Station Truth for the World, Radio Africa
To Richard A. D'Angelo

This is to confirm your reception of our transmission dated 21 May 2005, 1915 - 1930 hours UTC on a frequency of 15,190 kHz. with _____ watts.

Transmitter: Equatorial Guinea



[Handwritten signature]
Signature & Official Seal

Have to end the Column at this point since there are no more QSLs to report.

I hope everyone has a great DX spring and summer season...Sam.

STATION NOTES: Radio Traxx FM 7295 via Radio Television Malaysia v/s Johan Hulaimi, Head of Programming. Addr: P.O. Box 11272, 2 nd Floor, Wisma Radio Angkasapur, MY-50740 Kuala Lumpur, Malaysia. WEB: www.traxxfm.net/ Email: feedback@traxxfm.net

Radio Free Asia 6095 via Tinian Email: qsl@rfa.org WEB: [//techweb.rfa.org/form/dx.html](http://techweb.rfa.org/form/dx.html) **Radio Educacion 6185 v/s Lic. Virginia Bello Mendez**, Directora General. Email: direccion@radioeducacion.edu.mx. Addr: Angel Urzaa No. 622 Colonia del Valle, Distrito Federal. Mexico, C.P., 03100 Mexico.

Voice of Mongolia Addr: C.P.O. 365, Ulaanbaatar 13, Mongolia. Email: denmaa9@yahoo.com... via PLAY DX... Sam.



TRUTH FOR THE WORLD
A Work of the Duluth Church of Christ
P.O. Box 5048
Duluth, GA 30096-0065
Phone (770) 622-1525; Fax: (770) 622-0881
Email: tfworld@aol.com
Website: www.tftw.org

August 16, 2005

Dear Richard D'Angelo,

Thanks for your reception report. We have found it to be most helpful and have even used it to correct a problem with our broadcast over Radio Africa. The very specific details that you included are very beneficial.

Also, thanks for the picture. It's very interesting to see some of those who are listening. It adds another dimension to the letters we receive.

Sincerely,

[Handwritten signature]
Don Blackwell

Director of Broadcasting, Truth for the World

[Handwritten signature]
Sam

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:

Brian ALEXANDER, Mechanicsburg, PA
Scott BARBOUR, Intervale, NH
Bruce BARKER, Broomall, PA
Rich D'ANGELO, Wyomissing, PA
Mickey DELMAGE, Sherwood Park, AB
Gerry DEXTER, Lake Geneva, WI
Jim EVANS, Germantown, TN
Marlin FIELD, Hillsdale, MI
Bob FRASER, Belfast, ME
Jay GOLDEN, Rochester, NY
Glenn HAUSER, Enid, OK
Ron HOWARD, Monterey, CA
Brandon JORDAN, Memphis, TN
William McGUIRE, Cheverly, MD
Lin ROBERTSON, Carlsbad, CA
Dan ROBINSON, Washington, DC
Mike ROHDE, Columbus, OH
Jim RONDA, Tulsa, OK
Giovanni SERRA, Rome, ITALY
Dan SREBNICK, Aberdeen, NJ
Jerry STRAWMAN, Des Moines, IA
Mark TAYLOR, Madison, WI
David TURNICK, Reading, PA
Joe WOOD, Gray, TN

TenTec RX-340 AOR AR-7030 100' LW
R8, R-75, MLB-1, 200' Beverage
NRD-535D, Alpha Delta Sloper
TenTec R340, Lowe HF-150, DX Sloper
Icom R71A
NRD-515, NRD-545, etón E1
RX340, Drake R8B, 30 m wire
NRD535D, long wire
Sony ICF-2003 ICF-SW100S 2m LW
R7A, 35' lw
FRG-7, DX-398, SW-07, ATS-909, YB400 lw
NRD545, LW 160', etón E5
Perseus SDR, Wellbrook ALA 100
DX-380
no equipment listed
Palstar 30CC, AOR-3030, R8B
Ten-Tec RX-340, Wellbrook ALA
NRD-545, R75, etón E1, Eavesdropper
NRD-525 AD Sloper
Perseus SDR, Alpha Delta DX-CC dipole
R-8, 313e, 60 mtr dipole, mini whip
R-75, Sat 800, G313E, E1
NRD-545, 2010, Alpha Delta sloper
DX-390, Grundig Mini 100 PE, whip antenna 

NATIONAL IRANIAN RADIO & TELEVISION



“THE VOICE OF IRAN” Verification Of Reception Report

DEAR Mr. Oliver

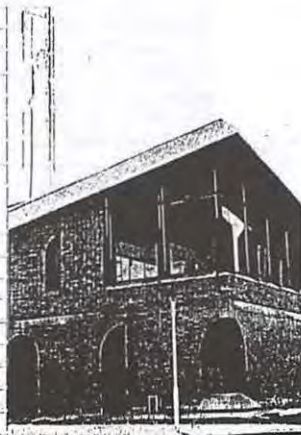
THANK YOU FOR YOUR REPORT DATED 08.03/75 OF OUR English
TRANSMISSION ON 9022 KHZ FROM 2000 TO 2020 GMT.

WE FIND YOUR REPORT IN AGREEMENT WITH OUR RECORDS.

SINCERELY

FOREIGN PROGRAMMES NIRT

TV Production and Transmission Center Tebriz



Tropical Band Loggings

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

- 2310 **AUSTRALIA VL8A** Alice Springs 1220 New age & pop mx; rising nicely to exc.; ID as 105.7 FM at BoH; // 2325 & 2485-marginal; 3/17. (Brown-MO) 1256 The best w/ M & M conversation in EE audible; //2325 weaker but no sig at all detectable on 2485; either off or more likely stuck on the daytime freq 5025 as occ. happens; so I check 5025 at 1308; as always dominated by R. Rebelde but it is fading regularly at the rate of 40 times per minute; abnormal; & likely indicator of another weaker sig slightly off-freq causing such a subaudible het; i.e. 0.67 Hz away; this was still the case at 1339; as Cuba weakens gradually but so does Australia as we are well over an hour past sunrise here which was at 1235 UT; never could pull any VL8A audio however; under Cuba 5025; has anyone else noticed the two are 0.67 Hz apart when they normally overlap until 0830 or after 2130?; perhaps someone further West will have had better copy of VL8K on 5025 this date past 1400; 3/20. (Hauser-OK) 1312 None of the 120m VL8s were audible; but I checked 5025 again in case VL8K was still stuck on its daytime freq at night; yes; at 1317, R. Rebelde still exhibiting fades of 40 per minute; the same SAH as 24 hours earlier; 0.67 Hz presumably caused by Katherine; 3/21. (Hauser-OK) 1151 "Saturday Night Country" in EE w/ anc interviewing an Australian C & W performer & playing some of his mx; fair; //2325-poor; //2485-poor; //9580 RA Shepparton-armchair; 3/28. (Taylor-WI)
- 2325 **AUSTRALIA VL8T** Tennant Creek 2055-2104 Pop song; M & W in EE; (P) nx from ToH; best heard in SSB w/ strong static crackles via approaching storm at my QTH; & at 2104; I pulled the antenna from my NRD-525; poor; //2310-barely audible & //2485-v. poor; 3/18. (Serra-Italy) 1150 Intrwvs of several personalities through ToH; fair; stronger than //2310 & 2485; 3/28. (Strawman-IA) 0940 (P); W anc apparently intrwving M w/ occasional ments. "Australia" popping up from the noise; ballad or torch song at 0950; v. weak w/ static crashes; this was barely audible using USB on a 70 ft wire; you'd need a fairly lrg antenna to bring much detail in; my best ever recep was of VL8A in 2001 when I heard & taped a definite ID; but this was off a 160 ft wire; 4/10. (Coady-Ontario)
- 2380 **BRAZIL R. Educadora** Limeria 1157 M & W ancs in PP; 1200 "Radio Educadora, Limeria"; more talk; (P) nx; fair; G. Hauser points out that this was well after sunrise lcl time & might have been something else; but what?; 3/18.(Taylor-WI)[??-ed.]
- 2485 **AUSTRALIA VL8K** Katherine 1252 The VL8s are still "showering" far beyond their up & down NT-only target area; 2485 best w/ discussion in EE; //2310- barely audible & nothing but a carrier detectable on //2325; 3/18. (Hauser-OK) 1246 I continue to be amazed by the VL8 stns making it thru on 120m even when not much else is happening trans-Pacifically on 105, 90, 75 or 60m; 2485 was peaking at S9+10 as they were talking about the new Israeli PM; much stronger than 2325-barely audible modulation & 2310-only a carrier; only sig audible on 90m; w/ mx; was 3385; which would be RENB Rabaul-PNG; at 1249; today's sunrise in Enid was 1217; 4/1. (Hauser-OK)
- 2850 **NORTH KOREA KCBS** Pyongyang 1218-1225 M anc in KK w/ long talk; marginal recep; f/out; no // noted this AM; 3/31. (Brown-MO)
- 2980H **COLOMBIA R. Vida Nueva** 0630-0720 2nd harmonic of 1490; SS relg ballads & talk; weak but readable; good clear ID at 0708; tnx to H. Klemetz for the help IDing this one; also heard earlier at 0250-0315+; 4/9. (Alexander-PA)
- 3200 **SWAZILAND TWR** Manzini 0302-0309 M anc buried in the noise; poor; 3/13. (Parker-PA)
- 3215 **USA WWCR** Nashville 0547 Earlier heard lite squeal on WWCR-1 when using 7465; now heard also on same txmitter when on 3215 during talkshow; 3/24. (Hauser-OK)
- 3220 **ECUADOR HCJB** Pifo 0941 M anc w/ SS talk re Christo; v. good; 3/31. (Brown-MO)
- 3240 **SWAZILAND TWR** Manzini 0311-0315 M anc in listed Shona; 40dB sig; exc.; 3/13. (Parker-PA)
- 3250 **HONDURAS R. Luz y Vida** San Luis 1120-1125 M anc in EE w/ New Testament; W anc following along in SS; in the clear 40dB sig; exc.; 3/6. (Parker-PA) 1158 M anc in SS re time for thanks & rejoicing; good; 3/17. (Brown-MO) 0315 EE prg of relg nature, fairly good sig but static from on going storm; 3/29. (Field-MI) 0326-0347 M anc w/ SS ancnents & ID; short instrumental mx segment followed by M w/ a long relg talk; fair; 4/9. (D'Angelo-PA)
- 3253S **USA WWRB** Morrison 0947-0955 Spur; M anc w/ EE preaching followed by choir singing; poor; // fundamental 3185-good & spur 3117-fair; 4/6. (D'Angelo-PA)
- 3255 **SOUTH AFRICA BBC** Meyerton 0320-0333 Nx re financial crisis; feature on Tibet; ID & short mx interlude; in the clear w/ 50dB sig; exc.; 3/13. (Parker-PA)


- 3279.9 **ECUADOR LV del Napo-R. Maria** Tena 0145-0150 M anc in SS; 20dB sig just above noise floor; p-f; 3/20. (Parker-PA) 0945 M anc w/ SS inspirational talk over lite mx; fair; 3/31. (Brown-MO) 0956-1016 Rustic LA vcls followed by several SS acments at 0959 & ID at 1000 accompanied by flute mx; after another LA vcl a M anc an over-modulated spiritual talk w/ light instrumental mx in the b/ground; p-f; 4/6. (D'Angelo-PA)
- 3280 **CHINA V. of Fujiang** Shanghai 1202-1205 Chatty W anc in CC; poor; //4950-poor; //5075-good; 3/30. (Brown-MO)
- 3305 **PNG R. Western** Daru 1212 Monotone talk by M anc in Tok Pisin; W anc interjecting occ.; weak but steady; 3/26. (Brown-MO)
- 3309.98 **BOLIVIA R. Mosoj Chaski** Cochabamba 1010 Strong sig w/ indigenous mx; 3/22. (Wilkner-FL) 0043-0106 M anc & "whistling" mx; talk b/w Quecha mx selex's; barely audible at ToH w/ mx; M & W anc at 0102; poor; 3/27. (Barbour-NH) 3310 2354 Trying to f/up w/ good carrier but little-to-no audio; 3/25. (Brown-MO)
- 3315 **PNG-ADMIRALTY ISLANDS R. Manus** Lorengau 1230 //3305-R.Western; poor; f/out; 3/26. (Brown-MO)
- 3320 **SOUTH AFRICA R. Sondergrense** Meyerton W anc in Afrikaans; pop mx; synchro LSB needed to avoid digital QRM; 40dB sig; exc.; 3/20. (Parker-PA) 2356 M & W anc w/ talks & correspondents; good; 3/25. (Brown-MO) 0330 EZL songs in EE; ancments in Afrikaans; good; in the same time period the following were noted at lvls ranging from p-f: 3345-Channel Africa; 3255-BBC Meyerton; 3240-TWR Swaziland; 3/26. (Ronda-OK)0431-0450 T/in to hear their usual exc. pop mx & found classical Strauss waltz w/ occ. talk by M & W anc; good; 4/5. (Evans-TN)
- 3325 **INDONESIA RRI Palangkaraya** 1210-1220 W anc in Indo w/ (P) nx; joined by M who appeared to be rpter in the field & another in studio; poor; declining; prg running in // to slightly stronger Manokwari-3987.05; nothing heard from co-ch. PNG; Indos dominating this morning w/ only a couple of PNGs present; 3/23. (Evans-TN)
- 3325 **PNG-BOUGAINVILLE R. Bougainville** 1030 Seemingly the one noted here; 3260 also in; 3/23. (Wilkner-FL)[3260:R.Madang-ed.]1220 M anc in Tok Pisin; still w/ talk by W at 1235 re-check; poor; 3/27. (Ronda-OK)
- 3329.59 **PERU Ondas del Huallaga** Huánuco 0000-0030 Noted every day in April w/ good Peruvian mx noted; weak; troubled by CHU-3330; need IF notch or v. narrow filter; again at 1020-1040; 4/5. (Wilkner-FL)
- 3339.99 **HONDURAS HRMI** Comayagua 0720-0733 Contemporary SS relg mx; SS ID at 0730; EE relg talk w/ SS translations at 0731; fair; 4/10. (Alexander-PA) 3340 0223-0239 Slow mx in SS; good 30-40db sig but w/ SS outband net on USB; 3/20. (Parker-PA) 0640 SS talk & mx; fair w/ some QRM; 3/25. (Robertson-CA) 0947 Honest-to-God fire & brimstone revelations in EE & SS; good; 3/31. (Brown-MO) 0332-0403 LA vcls w/ SS & EE IDs at 0338 & 0340; M anc w/ brief SS talk b/w LA mx selections; p-f; 4/9. (D'Angelo-PA)
- 3345 **PNG-NEW GUINEA TERRITORY R. Northern** Popendetta 1038-1050 (P); W anc in Tok Pisin w/ talk re "education" at t/in; M & W anc; b/w mx bits; pop-like mx selection; poor; fading under band noise by t/out; 4/8. (Barbour-NH)
- 3350 **COSTA RICA REE** Cariari de Poroci 0457-0505 W anc & ID at 0458; "Radio Exterior de Espana"; other ancments & ID; mx; pips at ToH; mx break; M & W w/brief ancments; lcl mx w/ M anc; b/w songs; best heard in SSB w/ S9+5 of peak; moderate QSB w/ rustle; crackles at times; poor; 3/18. (Serra-Italy) 0240-0243 Ancr in SS; usual 80dB rockcrusher sig; 3/20. (Parker-PA)
- 3365 **PNG R. Milne Bay** Alotau 1210-1218 (P) PNG pop mx occasionally breaking through the noise; short ancment in (P) EE also heard; v. marginal; threshold lvl sig; other PNGs weak today w/ the exception of R. East New Britain on 3385; 3/21. (Evans-TN)
- 3375.1 **BRASIL R. Educadora** Guarujá 1008-1012 (P); Ancrs w/ PP banter; mx at 1012 then rapidly deteriorating during lcl sunrise; poor; 3/26. (Barbour-NH) 0920-0938 (P); Chatter-box M anc in PP intro short vcls; W w/ mention Sao Gabriel w/ echo FX ancments; accordion mx; sig dropping out as day-light crosses Brazil; 4/1. (Brown-MO)
- 3385 **PNG-NEW BRITAIN R. East New Britain** Rabaul 1241 Dabarae vcls; poor but steady w/ RTTY QRM; 3/25. (Brown-MO)[William informs me that Dabarae is the PNG version of reggae-ed.] 1020-1037 Ancrs w/ talk n Tok Pisin; ads/promos; including one in EG re ".Saturday night.. brought to you by (??) Industries."; local ballad at t/out; fair at best; over the past few years, this has been the most reliable PNG I can pick up here in NH; 4/8. (Barbour-NH)
- 3396 **ZIMBABWE ZBC** Gweru 0237-0315 In vern. w/ hi-life mx; EE ID; 3/25. (Howard-CA)
- 3810 **ECUADOR HD210A** Guayaquil 0940 M anc w/ SS time ancments; good; 4/1. (Brown-MO)
- 3905 **PNG-NEW IRELAND R. New Ireland** Kavieng 1231-1241 (P); Surfacing thru AOR QRM, from time-to-time; w/ island mx; f/out; 3/26. (Brown-MO)
- 3925 **JAPAN R. Nikkei** Tokyo-Nagara 0838-0902 Interviews; poor; 3/28. (Turnick-PA) 0945 Radio drama in JJ; almost f/out by ToH; 4/1. (Brown-MO) 1142 Semi-classical mx reached S9 on peaks; 4/3. (Strawman-IA)

- 3975 **HUNGARY Hungarian Radio** Jazbereny *0400-0423 Opening ID & ancments by M anc in Hungarian; followed by nx; another ID at 0404 followed by prg of feature rpts hosted by W anc; fair w/ slight ARO QRM; 4/1. (D'Angelo-PA)
- 3987.05 **INDONESIA RRI Manokwari** 1136-1204 Pop mx w/ short ancments by M & W anc; ancment at 1159 followed by SCI; nx at 1200; poor si initially; improving to good after 1155; surprised to find them so strong, as other RRI were at carrier lvl or missing today; 3/21. (Evans-TN)
- 3990 **CHINA PBS** Gannan Hezuo [UTC?-ed.](P); Asian sounding W anc poking thru AOR QRM; fair; not // w/ other Xinjiang PBS freqs; also listed on 3990; 3/26. (Brown-MO)
- 4319U **Diego Garcia AFN** 1350-1402 "You are listening to A-F-N"; Dr. Joy Browne call-in prg; giving advice to callers; p-f; 3/19. (Howard-CA) 0004 "Sporting News Flash" at t/in; ad/promo w/ phone number; two M ancrs at 0008 tho not much to work with; v. weak w/ co-channel "data" QRM; 3/27. (Barbour-NH)
- 4330 **CHINA Xinjiang PBS** Urumqi 1208 W anc w/ talk to correspondent; f-g; 3/31. (Brown-MO)
- 4409.83 **BOLIVIA R. Eco** Reyes 0000-0030 M anc "en espanol"; 0130 pulsating sig here makes difficult to copy; this pulsation noted for last year; lcl origin UTE also present; 4/4 & 5. (Wilkner-FL)
- 4451.06 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 2300-0000 Noted during bandscan; 4/1. (Wilkner-FL) 4451.2v 0030-0100 The one noted here under EE voice ute; 3/21. (Wilkner-FL) 0000-0030 Time period noted on very irr. basis via various FL locations; 4/5. (Wilkner-FL)
- 4460 **CHINA CNR-1** Beijing 1208 M & W anc w/ CC nx; poor; 3/17. (Brown-MO)
- 4500 **CHINA Xinjiang PBS** Urumqi 0142-0153 Some fine CC lyrical songs w/ two W ancrs; in listed Mongolian; after each song; best heard in SSB w/ QSB; slight rustle & static at times; fair; 3/22. (Serra-Italy) 0003-0018 W anc w/ exotic ballads & talk; poor & deteriorating under band noise by t/out; 4/5. (Barbour-NH)
- 4554.16 **BOLIVIA R. Virgen de Remedios** Tupiza 0000 (T); Noted w/ v. weak sig; vox ute occasional issue; not noted 1000-1100 if them; 4/3-5. (Wilkner-FL) 4554.25 2300-0000 (T); Noted during bandscan; 4/1. (Wilkner-FL)
- 4700 **ANDAMAN & NICOBAR ISLANDS AIR Port Blair** 1358-1516 (T); This is the one off-freq here from regular 4760; has been confirmed now by J. Jacob-India; trn to J. Savolainen-Finland for first pointing out the possibility that this was perhaps one of the 4760 AIR stns; Port Blair back on 4760 1330-1440 on 3/19-21; 3/18. (Howard-CA)
- 4716.55 **BOLIVIA R. Yura** Yura 0042 Vcl mx; poor under S9 storm static; 4/4. (Strawman-IA) 4716.64 0100-0130 CP mx & W anc; f-g; also 1000-1030 w/ varied s/on times; 4/2-4. (Wilkner-FL)
- 4750 **UGANDA R. Dunamis SW** Mukono 1840-1905* (P); Non-stop mx; (P) Afropops; ancment over mx at 1848; end prg at 1903:50; s/off at 1905; PWBR 2009 rpts 1900*; best heard in SSB w/ S9+ of peak; fast QSB; rustle & static; poor-almost fair w/ NIR12; 3/17. (Serra-Italy)[nice catch-ed.]
- 4754.9 **BRAZIL R. Imaculada Conceição** Campo Grande 0420-0455 M anc in PP; 20dB sig battling CODAR; near good at times but poor overall; 3/11. (Parker-PA) 4755 0118 (P); Man in PP; possibly live; giving what sounded like a sermon; 4/12. (Taylor-WI)
- 4760 **ANDAMAN & NICOBAR ISLANDS AIR Port Blair** 1445-1500 (P); Indian accented EE w/ sermon about Good Friday; relg songs; 4/10. (Howard-CA)
- 4765 **UNIDENTIFIED** 0131-0303 Ancr w/ PP talk 0132 theme type mx; apparent call-ins; DJ chatter & talk; long f/out & 0146 ute blast on USB; 0150 f/in to chicken clucking & DJ chatter; 0154 speech before an audience & ute blast; 0157 fanfare & ancment; too weak to copy; then f/in & out w/ anc talk & various mx selections until 0302 when I gave up; 0306 I left the radio on while writing this & a second stn; (P) Tajik Radio abruptly f/in w/ talk in unid. lang & contemporary-like mx came in on top of what was left of the unid.; making the freq a real mess; several lists show Tajik Radio to s/on at 0300; so this makes me further believe that what I heard was not Tajikistan; 4/12. (Taylor-WI)
- 4765.04 **TAJIKISTAN Tajik Radio** Yangiyul 2323-2340 M anc in vern. w/ some lcl chants w/ instrumental mx; best heard in SSB but clear in AM too; QRN rustle 7 static; p-f; 3/28. (Serra-Italy) 4765.05 1907-1917 Lcl mx; W & M w/ ancments in vern. b/ w instrumental mx; M anc from 1910; best heard in SSB w/ S9+ of peak; moderate QSB; rustle & static crashes; almost fair w/ NIR12; 3/17. (Serra-Italy) 4765 0105 (P); Light pop-like mx; M & W anc w/ talk; format similar to my logs of CODAR free, ex-4635; poor under CODAR; 4/6. (Barbour-NH)
- 4769.96 **NIGERIA R. Nigeria** Kaduna 1737-1748 M anc in vern. until 1740; brief drum beat; diff. M anc; drum beat & more talk; best heard in SSB w/ moderate QSB & strong rustle; lite static crackles; from 1741 het nulled w/ NIR12 &/or inter-audio filter; poor; 3/18. (Serra-Italy)
- 4775 **SWAZILAND TWR** Manzini 0401-0415 M w/ short talks in GG b/w beautiful hymns; 60dB sign & outstanding audio; 3/11. (Parker-PA)
- 4780 **DJIBOUTI R. Djibouti** Atta 2024-2038 Lcl mx & Afropop; AA ancment at 2031 into (P) nx until 2036; ment. Djibouti; Rwanda; best heard in SSB w/ S9+20 of peak & strong/almost lcl audio; slight het; lite QSB & static at times; re-checked with s/off at 2100*; good; 3/17. (Serra-Italy)

- 0346-0415 Nice HoA vcls until 0359 when W ancw w/ ID & AA talk; prior to mx bridge at 0400; nx & ToH followed by a discussion prg; fair; 3/18. (D'Angelo-PA) 0310 AA chanting; f-g under heavy CODAR; 4/2. (Strawman-IA)
- 4790 **INDONESIA RRI Fak Fak** 1125 Ancw in Indo w/ slow paced talk; anthem; diff. ancw w/ faster talk; fair; 3/18. (Taylor-WI) 1320 Since I last rpted RRI Fak Fak missing; there have been signs of it on some mornings; but definitely back w/ lo-fi phone intrvw vs CODAR; 3/21. (Hauser-OK) 1215-1235 W ancw in Indo w/ (P) nx; short anthem or theme type mx at 1220 followed by short talk segments by W b/w mx bridges; slow pop mx at 1225 w/ W ancments; //3987.05-Manokwari prior to 1220 then similar prg but not exactly //; poor w/ CODAR; peaking around 1225 then declining; 3/23. (Evans-TN) 4790.03 1251 Pop mx; fair; actually stronger than CODAR; 3/21. (Strawman-IA) [UTC?-ed.] Early '60s style mx; good; clear & overwhelming CODAR; 3/31. (Brown-MO)
- 4790 **PERU R. Vision** Chiclayo 0416-0425 Usual preacher in SS addressing congregation over PA system; blasting in w/ 60dB sig & v. loud audio; on a morning when the openings to S. Am were generally poor; this stn is so frequently received here at enormous lvls that I often wonder about their listed "500 watts"; if accurate; they must have an extra-ordinary antenna!; 3/11. (Parker-PA) 0710-0730 M w/ SS talk; full stn ID's heard at 0722 & 0730; non-stop talk during this period but nothing relg heard; poor; recepex was further hindered by deep fades & a faint het even w/ ECSS engaged; 4/11. (Barker-PA)
- 4799.79 **GUATEMALA R. Buenas Nuevas** San Sebastian 0253-0359 (P); M ancw w/ mx & talk; (P) ID at 0305; mx & talk resume; from about 0336 heard no audio; re-check at 0352 w/ two slow lcl songs; then again no audio from 0359; best heard in SSB w/ QRM carrier on; moderate QSB; static at times; from 0358 strong cw at times muffled w/ NIR12; barely audible; poor; 3/29. (Serra-Italy) 4799.8 0225-0235 M ancw in SS; song w/ singing children; W w/ call-in; 50dB sig; exc.; best in LSB to avoid het via 4800; 3/13. (Parker-PA)[carrier/het prob. 4800 XERTA-ed.]
- 4800 **CHINA CNR 1** Geermu 2341-2346 M & W ancws in CC w/ one brief tune; ancments over mx at 2342; more mx & talk w/ many ment "Zhong Guo"; heard in AM w/ S9+10 of peak; slight rustle & QSB; fair; 3/28. (Serra-Italy)
- 4800 **MEXICO XERTA** Mexico City 0432-0445 W ancw w/ "gansta" rap; rock & slow pops; M ancw w/ ID over Chuck Mangione horns at 0442; solid 60dB sig & exc. audio; coming in like a lcl; 3/4. (Parker-PA)[gangsta rap!?!-ed.]
- 4805 **BRAZIL R. Difusora do Amazonas** Manaus 0935-0950 (T); M ancw in PP; only recent log w/ CODAR dominant; 4/3. (Wilkner-FL)
- 4805 **PERU R. Rasuwilca** Ayacucho 1035 CP flauta andina; M ancw w/ brief ID; back to mx; strong sig w/ CODAR absent; 1053 CODAR faded back in & dominated; 4/5. (Wilkner-FL)[great catch-ed.]
- 4810.01 **ARMENIA Armenian Nat'l Radio** Yerevan 1919-1930* Non-stop AA ballads w/ orchestra; ancment at 1928 ment. Yerevan; v. brief tune at 1929; s/off at 1930*; best heard in SSB w/ S9+10 of peak & strong; almost lcl audio; slight QSB & LSB ute; good; 3/17. (Serra-Italy)
- 4810 **INDIA AIR Bhopal** 1246 Sub-continent vcls; weak; steady grey-line; 3/18. (Brown-MO)[great catch-ed.]
- 4815 **BRAZIL R. Difusora** Londrina 1012 Brazilian ballads & Brasops; W ancw w/ occ. banter; M ancw ment. "Radiodifusora" at 1026; brief listening in USB to avoid ute; 4/5. (Coady-ODXA/SLRC)[Are Brasops the Brazilian version of Afropops?-ed.]
- 4820 **TIBET Xizang PBS** Lhasa 2357-0011 Lyric song; W ancw over mx at 2359; one long pip at ToH; brief ancment; anthem & W w/ ID; M & W ancw until 0003; then some field rpts w/ M & W banter over mx; more talk w/ ID ancment at 0009; best heard in SSB w/ slight QSB & static; f-g; 3/28. (Serra-Italy)
- 4824.51 **PERU La Voz de la Selva** Iquitos 1025-1105 W ancw w/ long talk; M w/ mx bridge; 3/23. (Wilkner-FL)
- 4824.99 **BRAZIL UNIDENTIFIED** 0024-0102 M & W w/ typical Brazilian PP intonation; mx break & ancment after 0030 ment. Brasilerio; mx & talk w/ frantic W ancw; best heard in USB w/ Xizang-4820 splatter; fast QSB w/ rustle & crackle at times; lite het; from 0047 used LSB to avoid lite CODAR; p-v. poor w/ NIR12; 4/4. (Serra-Italy)
- 4826.46 **PERU R. Sicuani** Sicuani 1025-1100 The one noted here; 3/23. (Wilkner-FL)
- 4835 **AUSTRALIA VLBA** Alice Springs 0821 //4910-VLBT; weak w/ ute QRM; 3/30. (Brown-MO)
- 4835 **INDIA-SIKKIM AIR Gangtok** 1341-1355 (P); Heard w/ a weak sig in (P) Hindi w/ SC songs; not often this makes it above threshold lvl; 4/6. (Howard-CA)[nice!-ed.]
- 4840 **INDIA AIR Mumbai** 2356-0008 Hind choral chant; M ancw in vern.; from 2358 W w/ vocal chants w/ instrumental mx; ancment at ToH; diff. M w/ sing-song chant; brief ancment at 0002 followed by W ancw; heard best in LSB to avoid lite vox splatter; fast QSB w/ S9+15 of peak; static; poor-almost fair w/ NIR12; 4/3. (Serra-Italy)

- 4840 **UNIDENTIFIED** 0208-0231 Talk by various ancrs in unid. lang. w/ some slow mx breaks at times; M & W ancr w/ talk & (P) ancments; one time pip at 0230 & continuing w/ barely audible talk; best heard in SSB w/ fast QSB & strong rustle; increasing QSB from around 0210; poor-almost fair at times; barely audible from 0230; no idea if LA (more feasible) or India after sunrise in there; 3/22. (Serra-Italy)
- 4845 **MAURITANIA RTV Mauritania** Nouakchott 0650 M IN AA w/ non-stop talk from 0650-0700; did not hear an ID before; after or at 0700; buried in band noise by 0705; 3/16. (Barker-PA) 0106 M ancr w/ AA political speech; f-g w/ up-side het; 3/17. (Brown-MO) 2345 W ancr in AA; into vcl mx at 2347; fair; 3/25. (Ronda-OK) 0700-0725 M ancr w/ AA ID at ToH; into a stern-sounding M ancr; possibly an imam; until 0715; this was followed by a brief musical select & diff M ancr over mx; f-g; 3/26. (Barker-PA) 0021-0103* Non-stop strings w/ some percussion beats & M chanting & brief talk; sudden s/off at 0102:57 circa; heard w/ S9+10 of peak; better in LSB w/ inter-audio filter to avoid CODAR; f-g; 3/29. (Serra-Italy) 0728 Running late w/ lcl guitar mx; v. good; 3/30. (Brown-MO) 0800-0810 ID at ToH into what sounded like AA nx until 0805; M ancr w/ more AA talk; strong for Mauritania; but w/ lcl lightning crashes; 4/3. (Barker-PA)
- 4845.23 **BRAZIL R. Cultura Ondas Tropicais** Manaus 0103-0205* Appeared after R. Mauritanie s/off; M w/ enhanced; frantic PP talk for futbol w/ some "Gooool!"; ancments & (P) ID at 0132 ment. ondas tropicais; other ancments & mx breaks; almost clear ID at 0134; "...kilohertz, ondas tropicais Manaus."; then non-stop LA mx; 0201 final ID & fqy quote then s/on only [carrier??-ed.] until 0205 then off; best heard in LSB w/ inter-audio filter to avoid CODAR; moderate QSB w/ S9+10 of peak; rustle & lite crackle; v. poor-poor at times w/ NIR12; 3/29. (Serra-Italy)
- 4865 **BOLIVIA R. Logos** Santa Cruz 0959 SS Christian vcls under digital QRM; fair; 3/31. (Brown-MO)
- 4865 **BRAZIL R. Alvorado** Londrina 0335-0344 M ancr in PP; W singing opera-style vcl; decent 30-40dB sig; but taking a beating from strong CODAR; 3/4. (Parker-PA)
- 4876.70 **BRAZIL R. Difusora Roraima** Boa Vista [UTC?-ed.] (P); Seem to be on in PP; noted several days w/ drifting sig; v. weak; 3/23. (Wilkner-FL)
- 4880 **INDIA AIR Lucknow** 1249 (P); M ancr in lang into SC mx; threshold, but even, sig above the mud; 3/18. (Brown-MO)
- 4885.01 **BRAZIL R. Clube do Para** Belem 0423-0433 LA ballads w/ usual enhanced "Musica madrugada!"; plus ancments at times; full IDs & freq at 0432 b/w mx prg; best heard w/ S9+5 of peak & strong audio; fast QSB & rustle; fair; 3/17. (Serra-Italy) 4885 0325-0335 M & W in PP w/ reverb over rock mx; big 70dB sig & room shaking fidelity; 3/4. (Parker-PA) 0705-0715 (P); M in PP w/ up-tempo instrumental mx; could not hear a definite ID; 3/17. (Barker-PA) 0400-0425 PP musical prg & rooster calls; fair; 3/27. (Turnick-PA) 0742 PP duet; good; 3/30. (Brown-MO) 0630-0640 M in PP w/ ID repeated three times at 0630 into lively Brazilian mx; making the trip from Belem w/ two kW; 3/31. (Barker-PA) 0409 Sounded like re-vamped; old US pop groups in PP; really booming in; Macapa-4915 also quite good; 4/5. (Dexter-WI)
- 4895 **INDIA AIR Kuresong** 1221 SC mx; rising nicely into audible sig; 3/25. (Brown-MO)
- 4900 **CHINA V. of Strait** Fouzhou 1232 (P) nx w/ two M ancrs in listed Amoy; fair & steady sig; 3/17. (Brown-MO) 1240 Listed Amoy svc w/ pop mx; frequent comment w/ musical bumpers; 3/19. (Strawman-IA)[nice catches-ed.]
- 4905 **BRAZIL R. Anhanguera** Araguaia 0154-0210 Slow, sappy mx & v. brief PP cments by W ancr; 40-50dB sig w/ outstanding audio; exc.; 3/13. (Parker-PA)
- 4910 **AUSTRALIA VL8T** Tennant Creek 0821 EE talk; poor w/ CODAR; 3/30. (Brown-MO) 0810-0830* Prg of lcl ballads; //4835-VL8A both freqs poor in noisy condx's; 4/10. (Alexander-PA)[nice catches-ed.]
- 4910 **INDIA AIR Jaipur** 2327-2351 (P); M ancr in EE; then prg in either (P) vern. or bad EE; brief, frantic ancment by other M; M & W ancments; M ancr w/ talk & mx bits; several ments. India; some (P) EE talk; best heard in USB w/ S9+10 of peak; lite QSB & rustle; from 2342 splatter via Tibet-4920 & //4905; poor/almost fair w/ NIR12; 4/3. (Serra-Italy)
- 4910S **USA WWCR** Nashville 0143-0145 Strong 40dB spur from their 5070 txmitter w/ Pete Peters reading an article re Obama throwing dozens of lavish parties; 3/13. (Parker-PA) 0130-0132 Noted here again w/ 50dB sig; 3/20. (Parker-PA)
- 4915 **BRAZIL R. Anhanguera** Goainia 0805-0830 Morning prg format w/ mx; ads; etc.; f-p; 3/28. (Turnick-PA)
- 4914.96 **BRAZIL R. Difusora de Macapa** 0438-0450 Mx at t/in; M ancr until 0444:15 circa; continuing mx prg w/slow songs; ancments at times; best heard in LSB w/ S9 of peak; fast QSB & strong rustle; barely audible-poor w/ NIR12; 3/17. (Serra-Italy) 4915 0526-0535 M ancr in PP; "Margaritaville" type mx; 60dB sig & room filling audio crushing CODAR; 3/3. (Parker-PA) 0815-0825 Dueling Brazilians; R. Anhanguera-Goiania & Macapa producing a het on 4915; Macapa winning the battle w/ a solid sig; M in PP w/ lively Brazilian tunes; 3/19. (Barker-PA) 0752 M w/ mellow vcls; good sig but CODAR afflicted; 3/30. (Brown-MO) 0700-0710 Full ID by M ancr

- at 0700 into canned spots & promos w/ many ments. Brazil; CODAR present for your listening displeasure; [ain't that the truth!-ed.]; otherwise v. good sig; 3/31. (Barker-PA)[UTC?-ed.] W & M ancw w/ PP banter; promos & ID; fair; 4/11. (Wood-TN)
- 4919.98 **INDONESIA RRI Biak** 1225-1235 (T); Only a carrier at 1225; a few words by W ancw occasionally heard; peaking around 1235 w/ sufficient audio to ID as Indo; v. tentative; but likely Biak; as a number of other Indos were heard this morning; co-ch. Indian & Chinese stns were totally absent; looking for Jambi on 4925; but only a weak carrier was heard there; 3/23. (Evans-TN)
- 4920 **INDIA AIR Chennai** 1230 Int'l nx in EE; //4895-Kuresong; v. good w/ perfect grey-line recep; 3/25. (Brown-MO)
- 4920 **TIBET Xizang PBS** Lhasa 1232 Talk in listed Tibetan; regional mx; fair under AIR Chennai; //4905-unusable; //6200-fair; 3/25. (Brown-MO)
- 4920 **TIBET Xizang PBS** Lhasa 1235-1245 M ancw w/ (P) nx; rather slow CC vcl pop mx at 1237; poor w/ some co-ch. interference from weaker AIR Chennai; //4905 also heard w/ slightly weaker sig at 1235; becoming slightly stronger by 1245; SINPO 23332; 3/16. (Evans-TN)
- 4925 **BRAZIL R. Educação Rural** Tefe 0115-0127 Beautiful PP ballad by W; 20dB sig getting murdered by CODAR but quite audible t/up to 4926 using sync detector & 4kc filter; fair; 3/20. (Parker-PA)
- 4930 **BOTSWANA VOA** Moepping Hill 0320-0325 Discussion in EE re parliamentary system in Nairobi; outstanding 70dB sig; 3/4. (Parker-PA)
- 4935 **BRAZIL R. Capixiba** Vitoria 0315-0320 M singing in PP; 30-40dB sig; coming thru CODAR nicely; 3/4. (Parker-PA)
- 4940 **INDIA AIR Guwahati** 1215-1231 Rustic group vcls into M ancw; W w/ SC vcls at 1227 thru BoH; threshold sig until f/out; 3/30. (Brown-MO)[great catch! I have log envy-ed.]
- 4940 **PERU R. San Antonio** Ucayali 1100-1120 V. tentative; tho not the distorted Venezuelan stn!; 3/23. (Wilkner-FL)
- 4950 **PERU R. Madre de Dios** Puerto Maldonado 0125-0140 (T); Sig mostly below the 10dB noise floor; but occ. poked through for 2-3 seconds w/ W ancw in SS; poor; 3/13. (Parker-PA)[LASW Logs lists this as last logged in Dec'08-ed.]
- 4955 **PERU R. Cultural Amauta** Huanta 0057-0011* Two M ancws in (P) SS; canned "Cultural" ID w/ boisterous M ancw at 0110; followed by brief mx then off; 10-20dB sig in the clear; fair; 3/13. (Parker-PA)
- 4955 **UNIDENTIFIED** 2307-2324 (P) mx & talk; Peru?; best in USB w/ NIR12; strong rustle & crackles; barely audible; just above noise lvl; 4/3. (Serra-Italy)
- 4960 **SÃO TOME VOA** Pinheira 0520-0525 Two M ancws in Hausa; drum mx bridges; 50dB sig; exc.; 3/3. (Parker-PA)
- 4965 **BRAZIL R. Alvorado** Parintins [UTC?-ed] M ancw w/ PP ID at ToH into M & W ancws w/ nx; weak-fades; 3/31. (Brown-MO)
- 4965 **ZAMBIA CVCL** Lusaka 0305-0313 M teaching Scripture in EE; outstanding 60dB sig; 3/4. (Parker-PA)
- 2325 EZL instruments then M ancw re Book of Matthew at 2328; good; 4/4. (Coady-ODXA/SLRC)
- 0407 Christian pop/rock; fair; 4/5. (Dexter-WI) 0430-0440 Modern praise & worship mx; M in EE re Gospel of Matthew; ID as "RadioChristian Voice" at 0435; g-v. good; 4/11. (Wood-TN)
- 4970 **INDIA AIR Shillong** 1322-1335 Scholastic prgin EE; "This is the North Eastern Service of All India Radio broadcasting from Shillong on 60.36 meters on shortwave, corresponding to 4,970 kHz."; 4/6. (Howard-CA)
- 4974.8 **BRAZIL R. Nossa Voz** Osasco 2330-2335 M ancw in PP; v. weak sig; poor; 3/10. (Parker-PA)
- 4975.97 **UGANDA UBC** Kampala 0236-0250 Non-stop Afropops; listened in SSB w/ S9+5 of peak & strong audio; better in USB to avoid het; nulled w/ both NIR12 & notch filter; lite QSB & static; fair; 3/22. (Serra-Italy) 4976 0405 M w/ (P) EE nx; weak; 4/5. (Dexter-WI)
- 4980 **CHINA Xinjiang PBS** Urumqi 0040-0045 Deep voice M ancw & two W in (P) listed Uighur; sig only 20dB w/ touch of trans-polar flutter but in teh clear; near fair at times; 3/13. (Parker-PA) [nice catch-ed]
- 4985 **BRAZIL R. Brasil Central** Goiania 0515-0520 M ancw in PP; jingle ID; slow EZL mx in PP & EE. 60dB sig; exc.; 3/3. (Parker-PA) 0744-0755 M playing lively Brazilian mx until sig decomposed at 0755; 3/16. (Barker-PA)[sounds morbid!-ed.] 0408-0423 Mx prg w/ slow songs & ancments at times; best heard in SSB w/ S9+5 of peak; fast QSB; strong rustle & lite static at times; poor-almost fair w/ nir 12; 3/17. (Serra-Italy) 0351-0416 Pop vcls selection hosted by M ancw in PP; jingle IDs & time checks; f-g; 3/20. (D'Angelo-PA) 4985.01 0255-0339 PP mx prg w/ slow songs & ancment; freq & (P) ID at ToH; more mx prg w/ slow songs; ancments; talk & some (P) jingle IDs ment. "..Central & ..Brasil!"; best heard in SSB w/ S9+10 of peak; moderate QSB; lite crackle at times; increasing from 0315; f-p; 4/5. (Serra-Italy) 0021-0051 PP musical prg & stn jingles; good; 3/26. (Turnick-PA) 0715-0725 M & W ancws w/ PP talk into uninterrupted mx; 3/31. (Barker-PA) 0441-0446 Many IDs mixed into non-descript LA mx; fair; 4/11. (Wood-TN)
- 4990.8v **PERU R. Manantial** Huancaayo 2300-0000 Noted during bandscan; 4/1. (Wilkner-FL)

- 5005 **EQ. GUINEA R. Nacional** Bata 1917-1933 (T); slow solo chant; talk from 1921; listened in LSB w/ strong rustle & static ; lite het & ute at times; from 1928 better in USB; v. poor/barely audible w/ NIR12; 4/2. (Serra-Italy) 2220-2301* Europop mx; US pops/ballads; s/off w/ NA; p-f w/ occ. ute; RTTY & 2-way radio; QRM; 4/4. (Alexander-PA)
- 5010 **INDIA AIR Thiruvananthapuram** 1248 Commercial sound w/ lots of Hindi talk & musical bumpers; overall p-f; 3/21. (Strawman-IA) 1219 Long Hindi talk by M ancr; W w/ EE ID at BoH; good; 3/25. (Brown-MO)
- 5009.93 **MADAGASCAR RTV Malagasy** Antananarivo 0310-0330 Much weaker sig tonight; back down on 5009.93 & in full AM mode; perhaps a different txmitter?; lcl mx & talk; just too weak to catch many prg details; 3/22. (Alexander-PA) 0253-0307 (P); Various mx; woman ancr; sounded like FF; still w/ the txmitter that is on the exact freq & in USB + carrier mode; p-f; 3/19. (Howard-CA) 5009.95 0310-0335 Pop mx w/ occ. low audio talk by M in (P) FF; M & W ancrs at 0319 w/ piano mx in b/ground; ending at 0324; prg of upbeat, yet smooth vcl mx w/ a hint of African instruments followed; M ancr at 0330; poor w/ fading; improving to good at 0321 peak; then degrading slowly until poor again at 0335; not certain of lang but appeared to be FF or FF sounding vernacular; 4/8. (Evans-TN) 5010 0321-0341 (P); Hi-Life mx & talk in either FF or vern.; in USB + carrier mode. 3/25. (Howard-CA) 0302-0322 W ancr w/ end of opening ancmnts in Malagasy followed by mx prg w/ a lot of shouting & drums; M ancr w/ periodic IDs & other talk; p-f; 3/26. (D'Angelo-PA) *0300-0320 S/om w/ IS; NA at 0302:30; Malagasy talk at 0305:30 & into instrumental mx; lcl pop mx; p-f w/ t-storm static; reduced carrier USB; slight hum in audio; 3/28. (Alexander-PA)
- 5025 **AUSTRALIA VL8K Katherine** 2158-2209 M & W w/ intrv w until 2203:04; mx pause; M ancr w/ talk; best heard in LSB w/ rustle & lite QSB; RTTY nulled w/ NIR12 & inter-audio filter; lite splatter via China-5030; poor/v. poor; 3/28. (Serra-Italy)[nice catch! rarely rpted here in ECNA w/ co-ch. Rebelde dominating-ed.]
- 5030 **CHINA CNR-1** Beijing 2209-2238 M & W ancr in CC w/ talk & mx bits; many ment. "Zhong Guo"; more talk at 2217 w/ mx; ancmnts & promos w/ children chatting over mx; anthem & brief ancmnt at BoH; talk by various ancrs & mx bits; best heard in SSB w/ slight QSB; light static; fair; //7105: f-g w/ echo over an unid. co-channel stn; 3/ 28. (Serra-Italy)[co-ch. unid. Sarawak-Malaysia?-ed.]
- 5035 **BRAZIL R. Aparecida** Aparecida 2225-2245 M & W alternately reading various items w/ short mx bridges between; M ancr w/ "Aparecida" ID; 40db sig; good; 3/10. (Parker-PA)[Voz do Brasil-ed.]
- 5039.24 **PERU R. Libertad** Junin 1030-1105 Lively flauta andina w/ M ancr over mx; decent sig; s/o about 1020 to 1030 most lcl mornings; 3/23. (Wilkner-FL)
- 5050 **INDIA AIR Aizawl** 1338-1503 Heard under Guangxi FBS; recep made possible by the absence o co-ch. V. of Strait; BoH nx in EE; ID for AIR; 4/1. (Howard-CA) 1513-1517 Distinctive network pgrming in (P) Hindi w/ ads till the start of the nx; heard under co-ch. Guangxi FBS; 4/6. (Howard-CA)[nice catches-ed.]
- 5120.16 **PERU Ondas del Suroriente** Quillabamba 1010-1030 Musica de Peru w/ ute covering sig; best in LSB; 4/3. (Wilkner-FL)
- 5460.1 **PERU R. Bolivar** Cd. Bolivar 2300-0000 Noted during bandscan; 4/1. (Wilkner-FL)
- 5580.2 **BOLIVIA R. San Jose** San Jose de Chiquitos 2300-0000 Noted during bandscan; 4/1. (Wilkner-FL)
- 5770 **MYANMAR Myanmar Defense Forces BS** Taunggyi 1431-1445 EZL pop songs & ballads in vern.; almost fair; 3/30. (Howard-CA)
- 5860 **KUWAIT R. Farda** 1330 EE ID; mx prg; gone to noise at 1400; had heard a stn here as early as 1200; 3/16. (Field-MI)
- 5860 **PHILIPPINES R. Netherlands** Tinang 2213-2259* Indo prg w/ long talks; features & IDs; close down at 2256 after a couple of musical selex's w/ ID & address; fair but getting choppy by closedown; 3/21. (D'Angelo-PA)
- 5860 **SRI LANKA R. Farda** Irana Wila 0051-0118 Persian-like mx; ancmnt in listed Farsi at 0055; right back to mx thru ToH; quick ID at 0101 into W ancr; mx resumes at t/out; f-p; 3/28. (Barbour-NH)
- 5865 **FRANCE RT Algerienne** Issoudun 0447-0518 Qu'ran followed by long talk in AA; carrier cut at 0457 for about two minutes when prg returned w/ another recitation; no ID heard but pattern v. similar to past logs; fair; 3/28. (D'Angelo-PA)
- 5875 **CYPRUS BBC** Limassol 0237 Listed Dari svc w/ M & W in alternating cment; poor; 3/21. (Strawman-IA)
- 5895 **UNIDENTIFIED SITE R. Mada** 0405 Looking for the new pro-Ravolomanana clandestine; via WRN; R. Mada; scheduled 0400-0430; Something there but too weak to copy; probably this since nothing else scheduled on freq; also some clicking which is surely not jamming already; but maybe leaking from some DetroCuban jammer; I suspect the txmitter site is Meyerton; if not somewhere else close to Madagascar; not likely from Talata itself; 3/21. (Hauser-OK) 0420 Looking for R. Mada but not a chance w/ WWCR-5890 up to usual super-strength; occasionally we get "long skip" instead & WWCR weakens this late at night; 3/23. (Hauser-OK) 

International Band Loggings

5901-30000 kHz

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

- 5910 **COLOMBIA Marfil Estereo** Puerto Lleras in SP 0452, ID, nice LA music with tight harmony and a good bass line featuring the accordion, vg (Wood 4/11)
- 5915 **ZAMBIA ZNBC** Lusaka in Vernacular *0247, Fish Eagle IS, NA at 0250 before noise and co-channel QRM picked up, blocked completely by BBC s/on at 0257, p (D'Angelo PA 3/29)
- 5915 **UNITED KINGDOM BBC** Skelton in EG/SH *0257, s/on announcements, time pips 0300, opening of Swahili service w/ID, announcements, and news, f, //7210 p (D'Angelo PA 3/29)
- 5920 **RUSSIA GTRK** Kamchatka via Petropavlovsk in RS *0710-0800, ex-6075 and new time for their local/regional programming, IDs as "Radio Rossii Kamchatka" (Howard CA 3/31)
- 5940 **RUSSIA R Rossii** via Magadan in RS 1005-1030, IDs, ads, promos, opera-like music at 1028, ancmts at BoH, fair, //7320 also fair (Barbour NH 4/6)
- 5985 **MYANMAR R Myanmar** Yangon in EG 1530, news re PM leaving for Pattaya in Thailand to attend the ASIAN summit etc., weather report, music program (Howard CA 4/10)
- 5995 **MALI RTV du Mali** Bamako I in FR 0610-0630, spectacular tribal music, full of drums w/both vocals and instrumentals until 0630, OM in talks, into AR at recheck, ID, f-p (Barker PA 4/11)
- 6020 **ALBANIA Chine R Int'l** relay in EG 0100, news re China, talks about global warming and the role that China plays - using candles at night rather than electric lights, exc (Field MI 3/29)
- 6035 **COLOMBIA La Voz del Guaviare** in SP 0212, music and many IDs, completely blotted out by the Vatican Radio at 0230, good until then (Turnick PA 3/27)
- 6070 **CANADA CFRX-CFRB** Toronto in EG 1227, "The Home Improvement Program featuring listeners' call-ins, promos, ads for local businesses, weather, news 1230, ID, g (Wood TN 4/10) in EG 0340, talk program with "New York Cabbie", ID as CFRB, f-g (Robertson CA 3/25)
- 6100 **BOSNIA Int'l Radio of Serbia** via Bijeljina in EG 2105, news about IMF and Serbian loans, 1998 war crimes, ID 2107, report on Serbian organized crime, sports news, music, p-f (Barbour NH 3/30)
- 6110 **ETHIOPIA R Fana** Addis Ababa in Amheric *0253-0500, IS, excellent ethnic vocals, nice ID 0400, news? to 0408 when signal started to fade, monologue, blotted out at 0500 by NHK relay Sackville (Jordan TN 4/11) in Amheric 0354-0421, H o A vocals, ID, music, news?, f-g (D'Angelo PA 4/9)
- 6115 **ROMANIA RRI** Bucharest in EG 2312, news recalling the terrorist bombings of Spanish railway stations in the past, g (Fraser ME 3/12)
- 6160 **CANADA CKZU** Vancouver, BC in EG 0600-0640, live music show, features about a piano and "Minnedosa", ID as "CBC Radio One", f-g (Robertson CA 3/25)
- 6160 **CANADA CKZN** St. Johns, Newfoundland in EG 0858-0922, Monday edition of "Labrador Morning" CBC news re the earthquake in Italy, No, Korea etc, weather, business news, humorous Top Ten list re why PM Harper is missing from the G-20 Summit group photo, p-f (Barbour NH 4/6)
- 6165 **ZAMBIA ZNBC2** Lusaka in EG 0357-0430, OM and YL w/news in heavily accented EG until 0416, into vocal, reception marred from 0417 by strong co-channel Chad carrier, p-f (Jordan TN 4/11)
- 6165v **CHAD RNT** N'djamena in FR 0417-0459, Balafon IS, NA, ID, frequency, Hi-life vocals w/lively voice-overs, talks by OM/YL until 0459 s/on by R Nederland relay, vg before (Jordan TN 4/11)
- 6170 **NEW ZEALAND RNZI** in EG 1027-1058*, nice Brazilian music, announcer w/music details, Sci-Fi story re Arden, Emerald lake and aliens, ID 1058, stating fqy shift to 9655, f-g (Barbour NH 3/31)
- 6255 **EGYPT R Cairo** in EG 2215, time ticks, news items, OM reading from Holy Koran, f (Fraser ME 3/14)
- 6250 **EQUATORIAL GUINEA R Malabo** in SP *0538-0630, pop dance music, ID, OM with monologue, fair signal at t/in but down to useless by 0630 (Jordan TN 4/11)
- 7110 **ETHIOPIA R Ethiopia** Addis Ababa in Amheric 0410-0437, HoA vocals, 2 OM's in discussion, ID, new program of short talks, f-g (D'Angelo PA 4/10) in Amheric 0332, long talk, HoA style music, continuous hum with fading (Taylor WI 4/2) in Amheric 0541, brief announcement, HoA music, fair signal w/deep fades (Hauser OK 4/3) in Amheric *0259-0333, s/on w/electronic keyboard IS, talk, some HoA music, f-g, //5991after 0322, //9704v threshold only (Alexander PA 4/5) in Amheric 0412, HoA music, short announcements by OM/YL, talks w/short music segments, fading (Evans TN 4/5)
- 7160 **IRAN V of Justice** Sirjan in EG 0154, news, IDs, current affairs feature about Obama and the Mideast, strong signal, //6120 fair w/some splatter (Alexander PA 3/20)
- 7200 **SUDAN R Omdurman** in AR 0354, OM/YL w/short talks and music bridges, upbeat traditional music, quiet time pips 0401, ID, fanfare, more talk, some amateur radio QRM (Evans TN 4/5)
- 7235 **IRAN IRIB** Sirjan in EG 0145, Voice of Justice program w/commentary past 0200, news about G-20 summit and many mentions of Obama, IDs, e-mail and postal sites, gone by 0227 (Strawman IA 4/3) in EG 0205, report on US policy toward Iran, comments on G-20 summit and US Afghan policy, ID at 0208, quite a fluttery signal (Ronda OK 4/3)

- 7250 **VATICAN CITY Vatican Radio** in AR 0753-0805*, 2 OM in alternating talk, theme music followed by talk w/frequent mentions of Cameroon, closing announcements and IS, f (Alexander PA 3/20)
- 7270 **MALAYSIA RTM Wai FM** via Kuching in Iban 1338, YL DJ talking as much as she was playing music ranging from C&W to romantic, fair w/QRM (Hauser OK 4/1)
- 7285 **RUSSIA V of Russia** Kaliningrad in RS 2325, ID, songs with a soulful Russian flavor, talk about President Obama's proposed trip to Russia (Ronda OK 4/4)
- 7285 **ALBANIA China Radio Int'l** relay via Cerrik in EG 2100, beamed to western Europe, ID, national and regional news, talk re Syria, g (McGuire MD 4/13)
- 7290 **CHINA China Radio Int'l** via Shijiazhuang in RS 1056-1123, traditional CH instrumentals, IS, IDs "Govorit Radio Kitaya", news, f-g although somewhat choppy (D'Angelo PA 3/22)
- 7300 **VATICAN CITY Vatican Radio** in CH 2212-2245*, OM/YL talks w/music bridges, URL at 2241, choral music, IS at s/off, f-g (Barbour NH 3/30)
- 7315 **GERMANY Adventist World Radio** relay via Wertachtel in Tigrinya/Amheric 0323, OM w/talk, tribal chant, ID, IS, more IDs in multi-languages at 0330, religious sermon, fair (Serra ITALY 3/22)
- 7375 **GERMANY Hrvatski R** relay via Wertachtel in Croatian 0139-0201, interview w/mentions of Italy, Italian pop music, several Croatian pop songs, ID 0200, news, exc (Brouillette IL 3/11)
- 7395 **MADAGASCAR Radio Sweden** relay in EG 2033, talk about Easter travel, local weather, news about Swedish youth violence & bullying, huge poultry recall, promo for Twitter, f (Barbour NH 3/31)
- 9335 **NORTH KOREA V of Korea** Kujang in EG 1311-1400, news items by YL/OM, f-p with significant fades and moderate noise, unintelligible by 1400, QRM from WEWN on 9340 (Jordan TN 4/11)
- 9425 **INDIA AIR** Bengaluru in EG 1433-1500, news bulletin, religious segment w/sermon about Good Friday, religious songs(Christian) (Howard CA 4/10)
- 9430 **RWANDA Deutsche Welle** relay via Kigali in GM 0030, news and reports about Pakistan, No. Korea and several SE Asian & Pacific countries b/w music bits, f, //12050 p (Barbour NH 4/7)
- 9440 **SLOVAK REPUBLIC R Slovakia Int'l** in EG *0100, IS, ID, fgy, sked, econ news (McGuire MD 4/1)
- 9475 **PHILIPPINES R Nederland** relay via Tinang in IN 2245, interview dealing with Islam in Indonesia, ID, website and postal address at 2256, f (Ronda OK 4/4)
- 9525 **INDONESIA V of Indonesia** Jakarta in EG 1355, variety of songs in Indonesian, talk by YL, ID and frequency data at 1400, f-g (Ronda OK 4/1) in EG 1311-1400, YL reporting on elections in Indonesia noting that Indonesia is one of the largest democracies in the world, ID, news, vocals, g (Jordan 4/11)
- 9550 **RWANDA FEBA** relay via Kigali in AR 1948-2030*, HoA-like stringed instrumental, siren FX z t 2002, into radio drama, OM w/diverse musical bits from 2010 to s/off., IS. g (Barbour NH 3/31)
- 9580 **GABON Africa #1** Moyabi in FR 2245-2300*. lite jazz and funk music, YL w/closing announcement giving their complete schedule, g (Brouillette IL 3/8)
- 9580 **AUSTRALIA R Australia** in EG 1220, OM interviewing officer of UN peacekeeping contingent in Rwanda, good, //9560 poor, //9500 fair (Wood TN 4/10)
- 9615 **PHILLIPINES R Veritas Asia** in CH 1127-1156*, long talks w/short musical segments b/w program features, closed w/ID in EG, f (D'Angelo PA 3/20) in CH 1135-1153* spiritual programming and choral music, ID in EG at s/off, f (Turnick PA 3/28)
- 9655 **NEW ZEALAND RNZI** in EG 1112-1134, "Dateline Pacific" feature including an item about the Red Cross in Papua-New Guinea, nice ID at 1117. p-f (D'Angelo PA 4/9)
- 9665 **MOLDOVA V of Russia** relay in EG 2305, ID, news, report on Economic Summit (McGuire MD 4/2)
- 9700 **BULGARIA R Bulgaria** in EG 2340, local Gypsy music program and stories, IS 2359 and continued in Bulgarian? (Delmage AB 4/5)
- 97042v **ETHIOPIA R Ethiopia** Addis Ababa in Amheric *0259, s/on w/electronic keyboard IS, into talk at 0300, HoA music at 0302, echo announcements, very weak, //7110 fair (Alexander PA 3/20) in Amheric 1850-1940, talks b/w Afro pops bits, ID 1900, news?, ment Obama, p-f (Barbour NH 4/7)
- 9720v **PERU R Victoria** Lima in SP 2225, very excited preacher w/lots of yelling w/breaks for annmcts from time to time, ID w/many LV de la Liberacion mentions, f-g, drifting frequency (Jordan TN 4/4)
- 9790 **ROMANIA RRI** Bucharest in EG *2200, IS, ID, report on earthquake in Italy, g (McGuire MD 4/6)
- 9810 **CHINA CNR-2 China Business Radio** via Baoji in CH/EG 1158, talks, some local pop music, "China Business Radio" feature in EG, ID 1201, back to CH talk, f, several // fqs (Alexander PA 3/21)
- 9830 **TURKEY V of Turkey** in EG *2200, IS, ID, frequency, sked, news, g (McGuire MD 4/3) in EG 2206 concluding news, ID and into program on Turkey-Iraq relations, f-g (Ronda OK 4/4)
- 9870 **SAUDI ARABIA BSKSA** Riyadh in AR 2144, traditional AR music, ID, into feature program w/talk punctuated by techno music, //9555 w/R Marti QRM (Brouillette IL 3/28)
- 9915 **ASCENSION ISLAND BBC** relay in EG 2139, interview w/ Robert Ballard, IS, ID at 2200, fair, //12095 also from Ascension relay w/f-g signal (Ronda OK 4/1)
- 11600 **CZECH REPUBLIC R Prague** in EG 2130, IS, ID, fgy, sked, news, g, //9410 (McGuire MD 4/13)

- 11680 **UNITED KINGDOM BBC** Skelton in AR 1800, ID, Big Ben chimes, report on Economic Summit, sound bite of President Obama, fair (McGuire MD 4/3)
- 117107v **ARGENTINA RAE** General Pacheco in PT 0005-0112, piano and other instrumental music w/short talk segments, pips 0030, IS and multi language IDs, into JP program 0112, g (Evans TN 4/10)
- 11735 **TANZANIA R Tanzania/Zanzibar** in EG/SH 1800, EG "Spice FM" news, local music and Swahili talk at 1809, poor signal w/slight wobble in the audio, low modulation after 1809 (Alexander PA 3/22)
- 11780 **BRAZIL R Nacional do Amazonia** Brasilia in PT 0320, talk, promos, short music breaks, abrupt s/off in mid-sentence, s/off time seems to vary greatly, f-g (Alexander PA 3/20)
- 11835 **MADAGASCAR R Nederland** relay in EG *1359-1557, time pips into EG Service "This is Radio Netherlands Worldwide", news, p-f with QRM from WYFR (Jordan TN 4/10)
- 1840 **UNITED KINGDOM V of Vietnam** relay via Skelton in VT 2117-2129*, long talk with lots of mentions of China and Vietnam, pop tune, ID at close, f (Brouillette IL 4/4)
- 12095 **THAILAND R Thailand** Udon Thani in EG/Thai 0058, t/in at end of EG broadcast with theme music, gongs, ID, and NA. Into Thai language at 0102, strong signal, f/o 0134 recheck (Alexander PA 3/21)
- 13630 **MALI China Radio Int'l** relay via Bamako in EG 2000, ID, report on G-20 Economic Summit in London, fair (McGuire MD 4/2)
- 15190 **EQUATORIAL GUINEA R Africa** Bata in EG 2205-2258*, t/in to the Tony Alamo show with religious talk, gospel music 2252, closing ID annmnts, e-mail address, g (Alexander PA 3/28) in EG 2156, religious talks, Tony Alamo show #320, lecture on homosexuality (Hauser OK 4/4)
- 15275 **PORTUGAL Deutsche Welle** relay via Sines in GM *1900, ID, news, rpt on Somalia (McGuire 4/13)
- 15400 **AUSTRALIA HCJB** relay via Kununurra in EG/CH 1204, "Spotlight" program in slo-EG about elephants, ID as "HCJB the Global Voice...Queensland Australia" followed by language lesson in EG and CH, p-f, seldom heard in New Hampshire (Barbour NH 3/31)
- 15720 **NEW ZEALAND RNZI** in EG 0143, report on politics in New Caledonia and the Solomon Islands, ID at 1047 and into news at 0200, f (Ronda OK 4/3) in EG 2322, report on the financial crisis and economy in New Zealand, f (Fraser ME 3/12)
- 17595 **SPAIN REE** Noblejas in SP 1300, IS, ID, news, report on President Obama, f (McGuire MD 4/7)
- 17895 **BOTSWANA VOA** relay Selebi-Phikwe in EG *1500, African Service, IS, time check, report on bombing in Iraq, fair (McGuire MD 4/10)

Clandestine/Opposition Stations

- 5980 **ETHIOPIA V of the Tigray Revolution** Mekele in Amheric *0254, IS, talk, HoA music, weak but readable with AC splatter, //5950 weak under WYFR (Alexander PA 3/22)
- 6120nf **JAPAN Shiokaze/Sea Breeze** via Yamata *1400, s/on w/piano music, ex-5985, new frequency appears to be a clear one for them (Howard CA 3/31)
- 7165 **ETHIOPIA V of Peace and Democracy** via Gedja in Tigrinya 0405-0426, announcer along with distinctive pulsing music, ID 1414, wiped out by amateur QRM, fair before (Taylor WI 4/2) in Tigrinya *0356-0432*, s/on w/instrumental music and IDs, talk, some HoA music, poor with QRM and jammer, //95597v in the clear but drifting frequency, Mon-Wed-Fri only (Alexander PA 3/20)
- 7315 **GERMANY R Dabanga** relay via Wertachtel in Vernacular 0439-0458, talks w/brief music breaks, interview, chorus jingle, ID repeated over and over, good to excellent at times (Serra ITALY 3/22)
- 9485 **RUSSIA R Xoriyo Ogadenia** relay via Samara in Somali *1700-1730, s/on with HoA music-style music, ID, one minute of Qur'an and talk, short breaks of HoA music, fair, very weak on //7530, broadcast on Mon and Fri only (Alexander PA 3/20)
- 9990 **SRI LANKA R Free Afghanistan** relay via Irana Wila in Pashto/Dari 1120-1331*, talks, short music breaks, ID as Radio Azadi, interviews, phone talk, poor reception at t/in but gradually improved, good reception from 1135-1215, poor-weak in noisy conditions by 1300, very poor by s/off, thanks to tip from Glenn Hauser for this hard to log station (Alexander PA 3/21)
- 11810 **GERMANY V of Oromo Liberation** 1710-1759*, talk in language, some HoA music, closing ID at 1759, fair signal, occasional ineffective weak noise jammer (Alexander PA 3/22)
- 11885 **USA Voice of Biafra International** via WHRI Cypress Creek, SC in EG 2102-2135, ID and NA both instrumental and sung, prayer at 2107, news 2112, local vocals, news analysis 212, change to a dialect of Biafra at 2135, good reception (Evans TN 4/3)
- 13730 **GERMANY R Dabanga** relay via Wertachtel in Vernacular *1529-1727*, s/on with Radio Dabanga jingles, talk, many IDs, news in EG 1721-1726 about Sudan and Darfur, f-g, //11500 via Madagascar was poor-fair (Alexander PA 4/3)
- 13800 **MADAGASCAR R Dabanga** relay in Vernacular 0440-0500, brief talk at times, heard on //7315 from 0458, increasing signal and audio from very poor to good (Serra ITALY 3/22)

Times & Frequencies In English

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Compiled by Mike Barraclough from station schedules, monitoring observations and reported updates.
Updates and corrections are always welcome.

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Relay sites: a= Ascension, A= Almaty, Kazakhstan, b= Bonaire, c= Sackville Canada, d= Abu Dhabi, D=
Dushanbe, e= Espana (Spain), E= Emirler, Turkey f= WYFR Florida, F= Issoudon, France, g= Agat, Guam,
h= Havana, H= Horby Sweden, j= Julich Germany, k= Kigali Rwanda, K= Kishinev, Moldova, l= Sri Lanka, L
= Sitkunai, Lithuania, m= Meyerton, RSA, M= Moosbrun, Austria, N= Nauen, Germany o= Bamako Mali, p=
Tinang, Philippines, q= Cerrick/Flaake, Albania, r= Russia (various), s= Sines Portugal, S= Singapore, t=
Talata, Madagascar, T= Tinian, u= Skelton/Rampisham UK, U= Tashkent, Uzbekistan, v= Taiwan, V= Santa
Maria de Galeria, Vatican, w= Werchatal Germany, x= Xian/Kashi/Kunming/Urumchi China, y= Yamata
Japan, Z= Zambia

Abbreviations: /= target area divider, 1st< or >2nd half hour, Af= Africa, As= Asia, CA= Central America,
Eu= Europe, FE= Far East, LA= Latin America, ME= Middle East, NA= North America, Pa= Pacific, e=
east, n= north, s= south, w= west, Int= International, R= Radio, VO= Voice of

ALBANIA R TIRANA	0030-0045 NA	9345 Tuesday to Sunday
ALBANIA R TIRANA	0145-0200 NA	7425 Tuesday to Sunday
ALBANIA R TIRANA	0230-0300 NA	7425 Tuesday to Sunday
ALBANIA R TIRANA	0330-0400 NA	7425 Tuesday to Sunday
ALBANIA R TIRANA	1430-1500 NA	13625 Monday to Saturday
ALBANIA R TIRANA	1845-1900 Eu	7430 13640 Monday to Saturday
ALBANIA R TIRANA	2000-2030 Eu NA	7465 13640 Monday to Saturday

ANGUILLA CARIBBEAN	1000-2200 NA	11775
ANGUILLA BEACON	2200-1000 NA	6090

Relays Dr. Gene Scott University Network

RAE ARGENTINA	0200-0300 NA	11710 Tuesday to Saturday
RAE ARGENTINA	1800-1900 Eu	9690 15345 Monday to Friday

AWR AFRICA	1800-1830 Af	3215m 3345m 9610m
AWR AFRICA	2100-2130 WAF	11955M

AWR ASIA	1130-1200 EAs	15260g
AWR ASIA	1200-1230 As	15435w
AWR ASIA	1330-1400 EAs	11880g Thursday/Saturday
AWR ASIA	1330-1400 SAs	15275g Not Sunday/Wednesday
AWR ASIA	1500-1530 SAs	11720g
AWR ASIA	1530-1600 As	15335w
AWR ASIA	1600-1630 SAs	11720g 11805g
AWR ASIA	1630-1700 SAs	6190g
AWR ASIA	2130-2200 As	11850g
AWR ASIA	2230-2300 As	15320g

HCJB AUSTRALIA	0245-0300 As	15400
HCJB AUSTRALIA	0730-0930 Pa	11750
HCJB AUSTRALIA	1200-1300 As	15400 (Saturday 1200-1245)
HCJB AUSTRALIA	1445-1530 As	15425
HCJB AUSTRALIA	2200-2230 As	15525

RADIO AUSTRALIA	0000-0100 As Pa	9660 12080 13690 15240 15415> 17715 17750 17775 17795
RADIO AUSTRALIA	0100-0200 As Pa	9660 12080 13690 15240 15415 17715 17750 <17775 17795

RADIO AUSTRALIA	0200-0400 As Pa	9660 12080 13690 15240 15415 15515 17750 21725
RADIO AUSTRALIA	0400-0500 As Pa	9660 12080 13690 15240 15415> 15515 17750 21725
RADIO AUSTRALIA	0500-0600 As Pa	9660 12080 13690 15160 15240 15415> 15515 17750 21725
RADIO AUSTRALIA	0600-0700 As Pa	9660 11650 12080 13690 15160 15240 15415> 15515 17750
RADIO AUSTRALIA	0700-0800 As Pa	9475 9660 9710 11650 11945 12080 13630 15160 15240 17750
RADIO AUSTRALIA	0800-0900 As Pa	9475 9580 9590 9710 11945 12080 13630
RADIO AUSTRALIA	0900-1000 As Pa	9475 9580 9590 11945 12080
RADIO AUSTRALIA	1000-1100 As Pa	9475 9580 9590 11945 12080
RADIO AUSTRALIA	1100-1200 As Pa	5995 6020 9475 9560 9580 9590 11945
RADIO AUSTRALIA	1200-1300 As Pa	6020 9475 9560 9580 9590 11945
RADIO AUSTRALIA	1300-1400 As Pa	6020 9560 9580 9590
RADIO AUSTRALIA	1400-1500 As Pa	5995 6080 7240 9475> 9590 9625 11660>
RADIO AUSTRALIA	1500-1600 As Pa	5995 6080 7240 9475 9590 9625 11660
RADIO AUSTRALIA	1600-1700 As Pa	5995 6080 7240 9475 9580 9710 11660
RADIO AUSTRALIA	1700-1800 As Pa	5995 6080 9475 9580 9710 11880
RADIO AUSTRALIA	1800-1900 As Pa	6080 7240 9475 9580 9710 11880
RADIO AUSTRALIA	1900-2000 As Pa	6080 7240 9500 9580 9710 11880
RADIO AUSTRALIA	2000-2100 As Pa	6080* 7240* 9500 11650 11660 11880 12080* *Sat/Sun
RADIO AUSTRALIA	2100-2200 As Pa	9500 9660 11650 11660 11695 12080 13630 15515
RADIO AUSTRALIA	2200-2300 As Pa	11840 13630 15230 15240v 15515 17785
RADIO AUSTRALIA	2300-2400 As Pa	9660 11840 12080 13690 15230 <15240v 15415> 17750> 17785 17795
CVC INT AUSTRALIA	0030-0100 SAs	11800T
CVC INT AUSTRALIA	0100-0300 SAs	11790T 11800T
CVC INT AUSTRALIA	0300-0330 SAs	11800T 13680T
CVC INT AUSTRALIA	0330-0600 SAs	13680T 15555T
CVC INT AUSTRALIA	0600-0930 SAs	15555T
CVC INT AUSTRALIA	0430-0930 SAs	15610T
CVC INT AUSTRALIA	0830-1130 SAs	15555
CVC INT AUSTRALIA	1130-1500 SAs	13635
CVC INT AUSTRALIA	1500-1600 SAs	11730
CVC INT AUSTRALIA	1600-1730 SAs	9680
RADIO AUSTRIA INT	0609-0612 Eu	6155 Monday to Friday
RADIO AUSTRIA INT	1209-1212 As Pa	17715 Monday to Friday
RADIO AUSTRIA INT	0013-0016 NA	9820 Tuesday to Saturday
RADIO AUSTRIA INT	0043-0046 NA	9820 Tuesday to Saturday
RADIO AUSTRIA INT	0113-0116 LA	9820 Tuesday to Saturday
RADIO BANGLADESH	1230-1300 As	7250
RADIO BANGLADESH	1745-1900 Eu	7250
BELARUS RADIO MINSK	2000-2200 Eu	7210 7255 7390
RADIO BULGARIA	0200-0300 NA	9700 11700
RADIO BULGARIA	0630-0700 Eu	9600 11600
RADIO BULGARIA	1230-1300 Eu	11700 15700
RADIO BULGARIA	1730-1800 Eu	5900 7400
RADIO BULGARIA	2100-2200 Eu	5900 7400
RADIO BULGARIA	2300-2400 NA	9700 11700
RADIO CANADA INT	0000-0057 SEAs	11700x
RADIO CANADA INT	0005-0104 NA	6100 Tuesday to Saturday
RADIO CANADA INT	0100-0159 SEAs	9620E
RADIO CANADA INT	1500-1557 As	11675x 17720x
RADIO CANADA INT	1505-1705 NA	9515
RADIO CANADA INT	1700-1759 Eu	5850H Saturday
RADIO CANADA INT	1800-1859 Af	9535x 11765u 17735 17810u
RADIO CANADA INT	2000-2100 Af	15235 17735
RADIO CANADA INT	2305-0005 NA	6100
CHINA RADIO INT	0000-0100 NA/As/Eu	6020q 9570q/ 6075 6180 7415 11730> 11790 11885 13750 15125/ 7350
CHINA RADIO INT	0100-0200 As	6175 9535 7180 <11730 11870 15125 15785
CHINA RADIO INT	0100-0200 NA/Eu	6020q 9570q 9580h 9790c/ 9410 9470
CHINA RADIO INT	0200-0300 As	11770 13640 15435>
CHINA RADIO INT	0300-0400 NA/As	9690e 9790h/11770 13750 15110 15120 15785
CHINA RADIO INT	0400-0500 NA/As	6020c 6080c/13750 15120 15785 17730 17855
CHINA RADIO INT	0500-0600 NA/As/Eu	6020c 6190c/11710q/11880 11895 15350 15465 17505 17540 17730 17855
CHINA RADIO INT	0600-0700 As/Af	11870 11880 11895 13660 15140 15350 15465 17505 17540 17710/ 11710v
CHINA RADIO INT	0700-0800 Eu/As	13710q 17490 /11880 11895 13660 15125 15350 15465 17540 17710

CHINA RADIO INT	0800-0900	Eu/Af/As	13710q 17490 /15125 /11620 11880 11895 15350 15465 15625 17540
CHINA RADIO INT	0900-1000	Eu/Af	15270 17490 17570 /15125
CHINA RADIO INT	0900-1000	As/Pa	11620 15350 17750 /15210 17690
CHINA RADIO INT	1000-1100	Eu/As/Pa	6060 13590 13720 15190 15350 /15210 17690
CHINA RADIO INT	1000-1100	Eu/NA	17490 / 6040c
CHINA RADIO INT	1100-1200	Eu/NA/As	13650q 17490 / 6040c 11750c
CHINA RADIO INT	1100-1200	As	5955 <6060 11650 11660 11795 13590 13645 13720
CHINA RADIO INT	1200-1300	As	5955 9460 9600 9645 9730 11650 11660 11690 11780> 11980 13645
CHINA RADIO INT	1200-1300	Eu/Pa	13650q 13790 17490 / 9760 11760
CHINA RADIO INT	1300-1400	NA/As	9570h 9560c 15260c/ 5955 9730 9765 9870 11660 11665 11980 13755
CHINA RADIO INT	1300-1400	Eu/Pa	13610 13790 / 9760 11760
CHINA RADIO INT	1400-1500	NA/As	13740h/ 5955 <7325 9765 9870 11665 11675 11765
CHINA RADIO INT	1400-1500	Eu/Af	13710 13790 /13685o 17630o
CHINA RADIO INT	1500-1600	Eu/Af	11965 13640 /13685o 17630o
CHINA RADIO INT	1500-1600	NA/As	13740h/ 5955 6095 7160 7325 7405 9600> 9720 9800 9870
CHINA RADIO INT	1600-1700	Eu/Af	11650 11940 11965 13760 / 6095 9570 9720 11900
CHINA RADIO INT	1600-1700	As	6060 6180 7235 7420 9760
CHINA RADIO INT	1700-1800	Eu/Af/	6145 7335 9695 11940 13760 / 7315 9570 11900
CHINA RADIO INT	1700-1800	As	6090 6140 6165 7235 7265 7315 7410 7420
CHINA RADIO INT	1800-1900	Eu	<6020 6030 <7265 9600 13760
CHINA RADIO INT	1900-2000	Eu/Af	7285/ 7295 9435
CHINA RADIO INT	2000-2100	Eu/Af	5960q 7285q 7415 9600 <11940 / 5985 7295 9440
CHINA RADIO INT	2000-2130	Af	11640o 13630o
CHINA RADIO INT	2100-2200	Eu/Af	5960q 6135 7225 7285q 7325> 7365> 7415 <9490 9600/ 7205 7325
CHINA RADIO INT	2200-2300	Eu/As	7360r/ 9590
CHINA RADIO INT	2300-2400	Eu/NA/As	7350 / 5990h 6145c 11840c/ 5915 7410 9610 11690 11790

VOICE OF CROATIA	0200-0205	Eu NA	3985 9925w
VOICE OF CROATIA	0600-0605	Eu Pa	6165
VOICE OF CROATIA	1000-1003	Eu Pa	7355 11675S
VOICE OF CROATIA	1600-1615	Eu	6165 Monday to Saturday (Sunday 1600-1605)
VOICE OF CROATIA	1805-1815	Eu	6165 Monday to Friday (Saturday 1805-1810)
VOICE OF CROATIA	2215-2230	Eu NA	3985 9925w

CUBA RADIO HAVANA	0100-0500	NA	6000 6140
CUBA RADIO HAVANA	0500-0700	NA	6000 6010 6060 6140
CUBA RADIO HAVANA	2030-2130	NA	11760 17660
CUBA RADIO HAVANA	2300-2400	CA	13790

CZECH RADIO PRAGUE	0000-0027	NA	7345 9440
CZECH RADIO PRAGUE	0100-0127	NA	6200 7345
CZECH RADIO PRAGUE	0300-0327	NA	7345 9870
CZECH RADIO PRAGUE	0330-0357	NA/ME AS	6080c/ 9445 11600
CZECH RADIO PRAGUE	0700-0727	Eu	9880 11600
CZECH RADIO PRAGUE	0900-0929	Eu/As/LA	9880 /21745 / 9955 via WRMI
CZECH RADIO PRAGUE	1030-1057	Eu	9880 11665
CZECH RADIO PRAGUE	1300-1329	Eu/ As	13580 /17540
CZECH RADIO PRAGUE	1400-1427	NA	9955 via WRMI
CZECH RADIO PRAGUE	1600-1627	Eu/Af	5930/ 17485
CZECH RADIO PRAGUE	1700-1727	Eu/Af	5930/ 17485
CZECH RADIO PRAGUE	2000-2027	Eu/As Pa	5930/ 11600
CZECH RADIO PRAGUE	2130-2157	Af/NA	9410/ 11600
CZECH RADIO PRAGUE	2230-2257	NA	7345 9415

EGYPT RADIO CAIRO	0200-0330	NA	7540
EGYPT RADIO CAIRO	1215-1330	sAs	17870
EGYPT RADIO CAIRO	1600-1800	Af	12170
EGYPT RADIO CAIRO	1900-2030	wAf	11510
EGYPT RADIO CAIRO	2115-2245	Eu	6255
EGYPT RADIO CAIRO	2300-0030	NA	11590

EQ GUINEA R AFRICA	0700-1200	Af	15190 Monday to Friday (Saturday, Sunday 0600-1330)
EQ GUINEA R AFRICA	1700-2300	Af	15190

Transmissions Irregular

RADIO ETHIOPIA	1600-1700	Af	7165 9560
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RADIO FRANCE INT	0400-0430	eAf	9805 11995 Monday to Friday
RADIO FRANCE INT	0500-0530	eAf	11995 13680 Monday to Friday
RADIO FRANCE INT	0600-0630	eAf	11610 15610 17800 Monday to Friday

RADIO FRANCE INT	0700-0730 wAf	13675 Monday to Friday
RADIO FRANCE INT	1200-1230 Af	21620
RADIO FRANCE INT	1600-1700 Af	15605 17605
Schedule valid until May 2		
RADIO FRANCE INT	0400-0430 eAf	9805 11995 Monday to Friday
RADIO FRANCE INT	0500-0530 eAf	13680 15160 Monday to Friday
RADIO FRANCE INT	0600-0630 eAf	11610 15610 17800 Monday to Friday
RADIO FRANCE INT	0700-0730 wAf	13675 Monday to Friday
RADIO FRANCE INT	1200-1230 Af	17800
RADIO FRANCE INT	1600-1700 Af	15605 17605
Schedule valid from May 3 to Sep 5		
RADIO FRANCE INT	0400-0430 eAf	9805 11995 Monday to Friday
RADIO FRANCE INT	0500-0530 eAf	11995 13680 Monday to Friday
RADIO FRANCE INT	0600-0630 eAf	9765 15610 17800 Monday to Friday
RADIO FRANCE INT	0700-0730 wAf	13675 Monday to Friday
RADIO FRANCE INT	1200-1230 Af	21620
RADIO FRANCE INT	1600-1700 Af	15605 17605
Schedule valid from Sep 6		
GERMANY D WELLE	0000-0100 sAs	9885i 15595r 17525r
GERMANY D WELLE	0300-0400 As	11975i 15595d
GERMANY D WELLE	0400-0500 Af	7245k 7430s 12045d 15445i
GERMANY D WELLE	0500-0530 Af	7430s 9440u 9700k 9825m
GERMANY D WELLE	0600-0630 Af	7310s 15275k
GERMANY D WELLE	0900-1000 As	15340S 17705i
GERMANY D WELLE	1600-1700 As	6170i 9485i 9540i 15640u
GERMANY D WELLE	1900-1930 Af	6150k 11795u 15620i 17860s
GERMANY D WELLE	2000-2100 Af	6150k 11795u 11865s 15205i
GERMANY D WELLE	2100-2200 Af	9735s 11865k 15205k
VOICE OF GREECE	0005-0100 Eu NA Af	7475 9420 15650 Monday
VOICE OF GREECE	0600-0700 Eu	11645
VOICE OF GREECE	0905-1000 Eu As Pa	9420 15630 Sunday
KTWR GUAM	0805-0900 sAs	15170 Tuesday, Thursday, Friday (Mon 0835-0900, Wed 0820-0900)
KTWR GUAM	0855-0930 Pa	11840 Monday to Friday (Saturday 0915-0930)
KTWR GUAM	1415-1450 SAs	9975
AII INDIA RADIO	1000-1100 Pa As	7270 13695 15020 15260 15410 17510 17800 17895
ALL INDIA RADIO	1330-1500 sAs	9690 11620 13710
ALL INDIA RADIO	1745-1945 Eu Af	7410 9445 11620 11935 13605 15075 15155 17670
AII INDIA RADIO	2045-2230 Eu Pa	7410 9445 9910 11620 11715
ALL INDIA RADIO	2245-0045 As	9705 9950 11620 11645 13605
VOICE OF INDONESIA	0200-0300 As Am	9525
VOICE OF INDONESIA	0800-0900 As Am	9525
VOICE OF INDONESIA	2000-2100 Eu	11785
Station changes frequency erratically, uses one of 9525, 11785 and 15150 for its broadcasts.		
VoIR IRAN	0130-0230 NA	7235 9495
VoIR IRAN	1030-1130 seAs	15600 17660
VoIR IRAN	1530-1630 seAs	7305 9600
VoIR IRAN	1930-2030 Eu/Af	5945L 6205 7205/ 9800 9925
IRELAND RTE	1930-2030 Af	6220m
IRELAND	1500-2230 Eu	3910 6295 12255 Reflections Europe Sunday
IRRS	0430-0530 Eu ME Af	5990 Monday to Thursday
IRRS	0800-0900 Eu ME Af	9510 Saturday
IRRS	0930-1200 Eu ME Af	9510 Sunday
IRRS	1500-1800 Af	15650 English and Arabic programmes
IRRS	1800-2100 Eu ME Af	7290 Friday, Saturday, Sunday
Transmitter believed to be in Slovakia		
RADIO JAPAN	0000-0020 Eu/NA/As	5960u/ 6145c/13650 17810
RADIO JAPAN	0500-0530 Eu/NA	5975u/ 6110c
RADIO JAPAN	0500-0530 Af/As	11970F/15325 17810

RADIO JAPAN	0900-0930 As/Pa	11815 15590 / 9625 9825
RADIO JAPAN	1200-1230 NA/Eu/Pa	6120c/ 9790w/ 9625 9695
RADIO JAPAN	1310-1340 As	11985
RADIO JAPAN	1400-1430 Eu/NA	13630u/11705c
RADIO JAPAN	1400-1430 Af/As	21560F/11985
RADIO JAPAN	2200-2220 Pa	13640
KOREA KBS WORLD R	0200-0300 LA	9580
KOREA KBS WORLD R	0800-0900 As	9570
KOREA KBS WORLD R	1200-1300 NA	9650c
KOREA KBS WORLD R	1300-1400 As	9570 9770
KOREA KBS WORLD R	1600-1700 Eu	9515
KOREA KBS WORLD R	1800-1900 Eu	7275
KOREA KBS WORLD R	2200-2230 Eu	3955u
VO KOREA PYONGYANG	0100-0200 As/LA	7140 9345 9730/ 11735 13760 15180
VO KOREA PYONGYANG	0200-0300 seAs	13650 15100
VO KOREA PYONGYANG	0300-0400 As	7140 9345 9730
VO KOREA PYONGYANG	1000-1100 seAs/LA	11735 13650/ 11710 15180
VO KOREA PYONGYANG	1300-1400 Eu/NA	13760 15245/ 9335 11710
VO KOREA PYONGYANG	1500-1600 Eu/NA	13760 15245/ 9335 11710
VO KOREA PYONGYANG	1600-1700 ME Af	9990 11545
VO KOREA PYONGYANG	1800-1900 Eu	13760 15245
VO KOREA PYONGYANG	1900-2000 ME Af	7100 9975 11535 11910
VO KOREA PYONGYANG	2100-2200 Eu	13760 15245
RADIO KUWAIT	0500-0800 SAs	15110
RADIO KUWAIT	1800-2100 Eu	11990
LAOS LNR Vientiane	0600-0630 As	7145
LAOS LNR Vientiane	1330-1405 As	7145
LIBYA VO AFRICA	1400-1600 Af	17725 21695
VOICE OF MALAYSIA	0600-0830 As Pa	6175 9750 15295
MOLDOVA	2215-2230 NA	9665 Radio Pridnestrovye Sunday to Thursday
VOICE OF MONGOLIA	0930-1000 As	12085
VOICE OF MONGOLIA	1530-1600 As	9665
TWR MONTE CARLO	0700-0750 Eu	6105N 9800 (Saturday 0715-0750, Sunday 0645-0820)
RADIO NETHERLANDS	1000-1100 As	11895T 12065r 15110p
RADIO NETHERLANDS	1400-1500 As	7530U 9345U 11835t 15815t
RADIO NETHERLANDS	1500-1600 As	9345U 11835t 15815t
RADIO NETHERLANDS	1800-1900 Af	6020t 15535w
RADIO NETHERLANDS	1900-2000 Af	5905t 7425t 9480d 11660F 15335N 15535w
RADIO NETHERLANDS	2000-2100 Af	5905t 7425t 11610F
NETHERLANDS KBC	0200-0300 NA	6110L Sunday
NETHERLANDS KBC	2130-2230 Eu	6055L
RADIO NEW ZEALAND	0459-0658 Pa	11725
RADIO NEW ZEALAND	0659-1058 Pa	6170
RADIO NEW ZEALAND	1059-1258 Pa	9655
RADIO NEW ZEALAND	1300-1550 Pa	6170
RADIO NEW ZEALAND	1551-1750 Pa	7285
RADIO NEW ZEALAND	1751-1850 Pa	6170
RADIO NEW ZEALAND	1851-1950 Pa	9615
RADIO NEW ZEALAND	1951-2050 Pa	11725
RADIO NEW ZEALAND	2051-2235 Pa	13730
RADIO NEW ZEALAND	2236-0458 Pa	15720
VOICE OF NIGERIA	0500-0700 Eu Af	15120
VOICE OF NIGERIA	1000-1500 Af	9690
VOICE OF NIGERIA	1700-2100 Eu Af	15120
RADIO OMAN	1400-1500 Eu	15140

RADIO PAKISTAN	1100-1104 Eu	15100 17835
RADIO PAKISTAN	1600-1615 Af ME	9385 11565
PALAU KHBN	0100-0300 As	15710
PALAU KHBN	0300-0700 As	15700
PALAU KHBN	0700-1200 As	9930 15700
PALAU KHBN	1200-1300 As	9930 12130
PALAU KHBN	1300-1400 As	9930 11685
PALAU KHBN	1400-1500 As	9930 9965
PALAU KHBN	1500-2200 As	9905 9965
PALAU KHBN	2200-2300 As	9965
PALAU KHBN	2300-0000 As	15550
Carries World Harvest Radio programming		
RADIO PILIPINAS	0200-0330 As	11880 15285 15510
POLAND R POLONIA	1200-1300 Eu NA	7330N 9525w
POLAND R POLONIA	1700-1800 Eu	9790F
RADIO ROMANIA INT	0000-0100 NA	9580 11790
RADIO ROMANIA INT	0300-0400 NA SAs	6150 9645 9735 11895
RADIO ROMANIA INT	0530-0600 Eu Pa SAs	7305 9655 15435 17770
RADIO ROMANIA INT	1100-1200 Eu Af	11775 11790 15210 15430
RADIO ROMANIA INT	1700-1800 Eu	11735
RADIO ROMANIA INT	2030-2100 Eu NA	9765 11810 11940 15465
RADIO ROMANIA INT	2200-2300 Eu NA	7440 9675 9790 11790
VOICE OF RUSSIA	0000-0200 NA LA	9480 9665 9890
VOICE OF RUSSIA	0200-0300 NA LA	9480 9665 15425
VOICE OF RUSSIA	0300-0400 NA LA/As	9665 15425/ 15585 15775
VOICE OF RUSSIA	0400-0500 NA/As	13775/ 15775 15585
VOICE OF RUSSIA	0500-0600 Eu/NA	13775
VOICE OF RUSSI	0600-0900 Pa	17635 21790
VOICE OF RUSSIA	0900-1000 As/Pa	15470 15610/ 21790
VOICE OF RUSSIA	1000-1100 As	15470 15610
VOICE OF RUSSIA	1100-1200 As	12065 15470
VOICE OF RUSSIA	1200-1300 As	7330 12065 15470
VOICE OF RUSSIA	1300-1400 As	7330 12065
VOICE OF RUSSIA	1400-1500 As	4975 6045 7330 9850 15605
VOICE OF RUSSIA	1500-1600 As	4975 6045 9625 9660 9735 9850 11985 15605
VOICE OF RUSSIA	1600-1700 Eu/As/Af	12040/ 4975 11985/ 13855
VOICE OF RUSSIA	1700-1800 Eu/As/Af	12040 12070/ 4975 11610/ 11985 13855
VOICE OF RUSSIA	1800-1900 Eu/As	12040 12070/ 4975
VOICE OF RUSSIA	1900-2100 Eu	12040 12070
VOICE OF RUSSIA	2200-2300 NA	9890
VOICE OF RUSSIA	2300-0000 NA LA	9665 9890
S ARABIA R RIYADH	0930-1230 Af	15250
INT RADIO SERBIA	0030-0130 NA	9675 Monday to Saturday (0100-0130 Sunday)
INT RADIO SERBIA	1830-1900 Eu	6100
INT RADIO SERBIA	2100-2130 Eu	6100
RADIO SLOVAKIA INT	0100-0130 NA LA	5930 9440
RADIO SLOVAKIA INT	0700-0730 Pa	9440 11650
RADIO SLOVAKIA INT	1630-1700 Eu	5920 6055
RADIO SLOVAKIA INT	1830-1900 Eu	5920 6055
S AFRICA CHANNEL AF	0300-0400 Af	3345 6135
S AFRICA CHANNEL AF	0400-0500 Af	3345
S AFRICA CHANNEL AF	0500-0600 Af	7230
S AFRICA CHANNEL AF	0600-0700 Af	7230 15255
S AFRICA CHANNEL AF	0700-0800 Af	7230
S AFRICA CHANNEL AF	0800-1200 Af	9625
S AFRICA CHANNEL AF	1400-1500 Af	9625
S AFRICA CHANNEL AF	1500-1600 Af	9625 15660
S AFRICA CHANNEL AF	1700-1800 Af	15235
S AFRICA CHANNEL AF	1900-2000 Af	3345

S AFRICA R LEAGUE	0800-0900 sAf cAf	7205 17570 Sunday
S AFRICA R LEAGUE	1905-2005 sAf	3215 Monday
REE SPAIN	0000-0100 NA	6055
REE SPAIN	1900-2000 Eu Af	9665 11620 Monday to Friday
REE SPAIN	2100-2200 Eu	9650 Saturday and Sunday
SLBC SRI LANKA	0100-0330 As	6005 9770 15745 (0100-0500 Sunday)
SWAZILAND TWR	0430-0630 Af	3200 (0500-0630 Saturday and Sunday)
SWAZILAND TWR	0600-0645 Af	11640m
SWAZILAND TWR	0630-0900 Af	6120
SWAZILAND TWR	1425-1625 Zimbabwe	4760 Shona, Ndebele and English programmes
SWAZILAND TWR	1700-2030 Af	3200
SWAZILAND TWR	1800-1900 Af	9500
RADIO SWEDEN	0130-0200 NA/As Pa	6010c
RADIO SWEDEN	0230-0300 NA/As Pa	6010c 11550t
RADIO SWEDEN	1330-1400 As Pa	15375
RADIO SWEDEN	1430-1500 Eu As Pa	13820
RADIO SWEDEN	1530-1600 Eu Af ME	13600
RADIO SWEDEN	2030-2100 Eu Af ME	7395t
RADIO SWEDEN	2130-2200 Eu Af ME	7395t
SYRIA R DAMASCUS	2100-2200 Eu NA	9330 12085
R TAIWAN INT	0200-0300 ENA	5950f
R TAIWAN INT	0300-0400 WNa	5950f
R TAIWAN INT	1100-1200 SEAs	7445 11715
R TAIWAN INT	1600-1700 As	11550 13840F
R TAIWAN INT	1700-1800 Af	15690F
R TAIWAN INT	1800-1900 Eu	6155F
TAJIKISTAN VO TAJIK	0900-1000 ME	7245
TAJIKISTAN VO TAJIK	1700-1800 ME	7245
RADIO THAILAND	0000-0030 Af NA	9640 15275
RADIO THAILAND	0030-0100 NA	12120 15275
RADIO THAILAND	0200-0230 NA	15275
RADIO THAILAND	0530-0600 Eu	17655
RADIO THAILAND	1230-1300 Pa	9890
RADIO THAILAND	1400-1430 Pa	9455
RADIO THAILAND	1900-2000 Eu	7570
RADIO THAILAND	2030-2045 Eu	9680
VOICE OF TURKEY	0400-0500 Eu NA As	5975 6165 7325c
VOICE OF TURKEY	1230-1330 Eu As Pa	15450 15520
VOICE OF TURKEY	1830-1930 Eu	9785
VOICE OF TURKEY	2030-2130 As Pa	7205
VOICE OF TURKEY	2200-2300 Eu NA	9830
UK BIBLE VOICE	0030-0100 SEAs	9490w Friday, Saturday, Sunday
UK BROADCASTING	0700-0815 WEu	5945w Saturday (0745-0800 Friday, 0700-0730 Sunday)
UK NETWORK	1015-1045 Korea	5910r Sunday
UK	1115-1130 Chlna	5945r (Saturday 1115-1200, Sunday 1115-1145)
UK	1400-1500 SEAs	15680F Saturday (Sunday -1515)
UK	1500-1530 SEAs	15295N Saturday
UK	1530-1600 SEAs	15680J Thursday, Saturday
UK	1530-1815 ME	13590N Sunday (1545-1600 Mon, 1545-1620 Tu, 1545-1600 We, 1545-1615 Th, Fr, 1630-1645 Th, 1730-1800 Fr, 1545-1730 & 1745-1830 Sat)
UK	1700-1800 ME	9430W Saturday (Sunday 1730-1800)
UK	1800-1815 Iran	11970J Saturday
UK	1800-1845 ME	9430w Sunday (Fri 1830-1900, Sat 1800-1830)
UK	1800-1900 EEu	6130w Sunday (Sat 1800-1845)
UK	1945-2015 Af	11830w Monday to Friday (Sunday 1845-2000)
UK CHRISTIAN V	0400-0600 Waf	9430Z
UK CHRISTIAN V	0600-1600 SAf	6065Z
UK CHRISTIAN V	0600-1900 Waf	13590Z
UK CHRISTIAN V	1400-2100 CAf	17770J

UK CHRISTIAN V	1600-0600 SAF	4965Z
UK CHRISTIAN V	1900-2200 Waf	9420Z
UK FEBA	1400-1430 SEAs	12025d Sunday
RADIO UKRAINE INT	0000-0100 NA	7440
RADIO UKRAINE INT	0300-0400 NA	7440
RADIO UKRAINE INT	0500-0600 Eu	9950
RADIO UKRAINE INT	0900-1000 Eu	11550
RADIO UKRAINE INT	1100-1200 Eu	11550
RADIO UKRAINE INT	1900-2000 Eu	7490
RADIO UKRAINE INT	2100-2200 Eu	7510
USA KJES	0100-0230 NA	7555
USA KJES	1300-1500 NA	11715
USA KJES	1800-1900 Pa CAm	15385
USA KNLS	0800-0900 FE	7355
USA KNLS	1000-1100 FE	6890
USA KNLS	1200-1300 FE	7355 9780
USA KNLS	1400-1500 FE	7355
USA OVERCOMER	1400-1600 Eu ME	6110j 13810N
USA MINISTRY	1500-1600 Eu ME Af	6110j 13810N 17485j
USA	1900-2000 Eu	6175w
USA PAN AMERICAN	0030-0045 SEAs	9640w Sunday
USA BROADCASTING	1415-1430 As	15205N (1400-1430 Sat, 1400-1445 Sunday)
USA	1930-2015 ME	9515w Sunday (-2030 Saturday)
USA VOA	0300-0400 Af	4930 6080 9885 15580
USA VOA	0400-0500 Af	4930 4960 6080 9885 15580
USA VOA	0500-0600 Af	4930 6080 12080 15580
USA VOA	0600-0700 Af	6080 12080 15580
USA VOA	1400-1500 Af	4930 6080 13570 15580 17585
USA VOA	1500-1600 Af	4930 6080 13570 15580 17895
USA VOA	1600-1700 Af	4930 6080 9885 15580 17715
USA VOA	1700-1800 Af	6080 9885 <11835 15410> 15580 15675(Sat, Sun)
USA VOA	1800-1900 Af	4930> 6080 9885 15410 13710 15580 (Sat, Sun 909,4930 1800-)
USA VOA	1900-2000 Af	4930 4940 5990 6080 9885 15580 17895
USA VOA	2000-2100 Af	4930 <4940 6080 9885 15580 17895
USA VOA	2100-2200 Af	6080 15580
USA VOA	0000-0030 Afg	7555
USA VOA	2030-2130 Afg	7555
USA VOA	1400-1500 Eu ME	15530 17740
USA VOA	1500-1600 Eu ME	12005 15530
USA VOA	0100-0200 FE SAs Pa	7430 9780 1170
USA VOA	1200-1300 FE SAs Pa	6140 7575 9510 9765 12075
USA VOA	1300-1400 FE SAs Pa	7575 9510 9760
USA VOA	1400-1500 FE SAs Pa	7545 7575 9760 11715
USA VOA	1500-1600 FE SAs Pa	7545 7575 9700 12150
USA VOA	2200-2300 FE SAs Pa	5895 5915 7460 7480 9415 11995
USA VOA	2300-2400 FE SAs Pa	5895 5915 7480 9415 11955
USA VOA	1800-1830 Zimbabwe	4930 12080 15775 (also 1720-1740 Fri, Sat, Sun)
USA WBCQ	1700-2100 NA	15420
USA WBCQ	1800-1900 NA	9330 Monday to Friday
USA WBCQ	1800-0400 NA	7415 Monday to Friday (Sat 2100-0100, Sun 1900-0300)
USA WBCQ	2300-0100 NA	5110 Monday to Friday (Sat 2200-0100, Sun 2200-0300)
USA WBOH	0000-2400 NA	5920 Spanish and English
USA WEWN	0000-0900 Af	11520
USA WEWN	0900-1200 SEAs	11640
USA WEWN	1200-1500 NA	9340
USA WEWN	1500-2400 Eu ME	15610
USA WHRI	0000-0100 EuAf NA	5875 7315 7385
USA WHRI	0100-0200 EuAf NA	5850 5875 7315 7385
USA WHRI	0200-0400 EuAf NA	5875 7315 7385

USA WHRI	0400-0500	EuAf NA	5875 7315 7385 9825
USA WHRI	0500-0700	EuAf NA	5875 7365 7390 11565
USA WHRI	0700-0800	EuAf NA	7375 7390 11565
USA WHRI	0800-0900	EuAf NA	7375 11565
USA WHRI	0900-1100	EuAf NA	7375 9425 11565
USA WHRI	1100-1200	EuAf NA	7315 7375 9410
USA WHRI	1200-1300	EuAf NA	7315 7375 9410
USA WHRI	1300-1400	EuAf NA	7315 9840 11785 15195
USA WHRI	1400-1600	EuAf NA	9840 11785 15195
USA WHRI	1600-1700	EuAf NA	9840 11785 17520
USA WHRI	1700-1800	EuAf NA	9495 9840 11785 17520
USA WHRI	1800-1900	EuAf NA	9840 11785 17520
USA WHRI	1900-2000	EuAf NA	7520 9495 9515 11740 11785 15665
USA WHRI	2000-2100	EuAf NA	7520 9495 11785 15665
USA WHRI	2100-2200	EuAf NA	9690 11785 11885 15665
USA WHRI	2300-2300	EuAf NA	11785 11885
USA WHRI	2300-2400	EuAf NA	5875 7315 9615
USA WINB	1000-1400	NA	9265
USA WINB	1400-2100	NA	13570
USA WINB	2100-0300	NA	9265
USA WRMI	0000-2400	LA	9955
Station carries English and Spanish programming, World Radio Network relays where time unsold			
USA WRNO	0100-0400	NA	7505
USA WTJC	0000-2400	NA	9370
USA WWCR	0000-0100	NA	5070 5935 7465 9980
USA WWCR	0100-0200	NA	3215 5070 5935 9980
USA WWCR	0200-0900	NA	3215 5070 5890 5935
USA WWCR	0900-1100	NA	5070 5890 5935 9985
USA WWCR	1100-1200	NA	5890 5935 7490 15825
USA WWCR	1200-1600	NA	7490 9980 13845 15825
USA WWCR	1600-2100	NA	9980 12160 13845 15825
USA WWCR	2100-2200	NA	7465 9980 12160 13845
USA WWCR	2200-2400	NA	5070 7465 9980 13845
Schedule valid to May 31 and from September 1			
USA WWCR	0000-0200	NA	5070 5935 7465 9980
USA WWCR	0200-0900	NA	3215 5070 5890 5935
USA WWCR	0900-1100	NA	5070 5890 5935 9985
USA WWCR	1100-1200	NA	5890 5935 7490 15825
USA WWCR	1200-1600	NA	7490 9980 13845 15825
USA WWCR	1600-2100	NA	9980 12160 13845 15825
USA WWCR	2100-2300	NA	7465 9980 12160 13845
USA WWCR	2300-2400	NA	5070 7465 9980 13845
Schedule valid June 1 to August 31			
USA WWRB	0000-0100	NA	3185 3215 5050 5745 6890
USA WWRB	0100-0400	NA	3185 5050 5745 6890
USA WWRB	0400-1200	NA	3185
USA WWRB	1200-2100	NA	9385
USA WWRB	2100-2200	NA	3215 9385
USA WWRB	2200-2300	NA	3215 5050 5745 6890 9385
USA WWRB	2300-2400	NA	3215 5050 5745 6890
Schedule subject to daily variations dependent on time booked			
USA WYFR	0000-0100	NA/LA	5950 6985 9505 15440 /17805
USA WYFR	0100-0200	NA	6985 9505 15440
USA WYFR	0200-0300	NA/LA	6985 9505 9680 11835/ 5985 11855
USA WYFR	0300-0400	NA/LA	6915 6985 9505 /11740 15255
USA WYFR	0400-0600	NA	5950 6915 9680
USA WYFR	0600-0700	NA/LA	9680 / 5850
USA WYFR	0600-0700	EuAf	7520 11580 /11530
USA WYFR	0700-0800	NA/LA	5950 5985 6915 / 9505
USA WYFR	0700-0800	EuAf	7520 / 9940
USA WYFR	0800-0900	NA/Af	5950 5985 6915 / 9940
USA WYFR	0900-1000	NA/As	5985 6915 9755 / 9465v

USA WYFR	1000-1100 NA/As	5950 5985 6915 9755/ 9450r 9465v
USA WYFR	1100-1200 NA/LA	5950 5985 9755 / 7730 9550 9625
USA WYFR	1200-1300 NA/LA	5950 5985 17795 /17555
USA WYFR	1300-1400 NA/As	11830 11865 11910 17795/ 11520v 11560v 13810r
USA WYFR	1400-1500 NA	11830 11910 13695 17795
USA WYFR	1400-1500 As	9365T 9615r 9865r 11725r 13810r
USA WYFR	1500-1600 NA/LA	11830 11910 17795 /15770
USA WYFR	1500-1600 As	6280v 15520d
USA WYFR	1600-1700 NA/LA	11830 11865 13695 17795/ 6085
USA WYFR	1600-1700 Ew/Al/As	18980 21455 /21525 /11850d
USA WYFR	1700-1800 Ew/Al/NA	18980 21455 /17545a/13690 17795
USA WYFR	1800-1900 Ew/Al	18980 / 6180m 7395t 9770d 17845
USA WYFR	1800-1900 NA	13615 13690 17795
USA WYFR	1900-2000 NA/LA	13615 13690 17795 / 6085
USA WYFR	1900-2000 Ew/Al	18930 18980/ 3230n 6020t 7395t 9610w 9775d 17845
USA WYFR	2000-2100 Ew/Al	17750 18980/ 6020t 9610w 15195a 17845
USA WYFR	2000-2100 NA/LA	13615 17795 /17725
USA WYFR	2100-2200 Ew/Al/NA	7430K 18980 / 9610w 12055a 17845/13615 13690 17795
USA WYFR	2200-2300 NA/Al	5950 11740 15440 /15770
USA WYFR	2300-0000 NA/LA	5950 11740 15440 /15255 17750

VATICAN RADIO	0140-0200 As Pa	5915 7335
VATICAN RADIO	0250-0320 NA	6040 7305
VATICAN RADIO	0300-0320 As	9310
VATICAN RADIO	0300-0330 Af	7360 9660
VATICAN RADIO	0500-0520 Eu	4005 5965 7250
VATICAN RADIO	0500-0530 Af	9660 11625 13765
VATICAN RADIO	0630-0645 Eu As	4005 5965 7250 9645 11740
VATICAN RADIO	0630-0700 Af	11625 13765 15570
VATICAN RADIO	1530-1550 As Pa	11850 13765 15235
VATICAN RADIO	1615-1630 Eu As Af	4005 5885 7250 9645 15595
VATICAN RADIO	1730-1800 Af	11625 13765 15570
VATICAN RADIO	1950-2020 Eu	1530 4005 5885 7250 9645
VATICAN RADIO	2000-2030 Af	7365 9755 11625

VOICE OF VIETNAM	0100-0130 NA	6175c
VOICE OF VIETNAM	0230-0300 NA	6175c
VOICE OF VIETNAM	0330-0400 NA	6175c
VOICE OF VIETNAM	1000-1030 As	9840 12020
VOICE OF VIETNAM	1100-1130 As	7285
VOICE OF VIETNAM	1130-1200 As	9840 12020
VOICE OF VIETNAM	1230-1300 As	9840 12020
VOICE OF VIETNAM	1330-1400 As	9840 12020
VOICE OF VIETNAM	1500-1530 SEAs	7285 9840 12020
VOICE OF VIETNAM	1600-1630 Eu SEAs	7220 7280 9550 9730
VOICE OF VIETNAM	1700-1730 Eu	9725M
VOICE OF VIETNAM	1900-1930 Eu	7280 9730
VOICE OF VIETNAM	2030-2100 Eu As	7220 7280 9550 9730
VOICE OF VIETNAM	2330-2400 As	9840 12020

YEMEN RADIO SANA'A	0600-0700 ME Af	9780
YEMEN RADIO SANA'A	1800-1900 ME Af	9780



World DX Club
A British Based DX Club

SHORTWAVE AIRINGS OF WORLD OF RADIO

Effective April 26. Days and times strictly UT. All these stations also
webcast.

Wed 0500 WRMI 9955
Wed 1530 WRMI 9955
Wed 1900 WBCQ 7415
Thu 0530 WRMI 9955
Thu 1900 WBCQ 7415
Fri 0000 WBCQ 5110-CUSB Area 51
Fri 0100 WRMI 9955
Fri 1130 WRMI 9955
Fri 1900 WBCQ 7415
Fri 2030 IPAR/IRRS/NEXUS/IBA 7290 Slovakia
Fri 2030 WWCR1 15825
Sat 0800 WRMI 9955
Sat 0800 IPAR/IRRS/NEXUS/IBA 9510 Slovakia [except first Sat]
Sat 1630 WWCR3 12160
Sun 0230 WWCR3 5070
Sun 0630 WWCR1 3215
Sun 0800 WRMI 9955
Sun 1515 WRMI 9955
Mon 0500 WRMI 9955
Mon 2200 WBCQ 7415
Tue 1100 WRMI 9955
Tue 1530 WRMI 9955
Tue 1900 WBCQ 7415

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and webcasts with hotlinks to station sites and audio, is at:
<http://www.worldofradio.com/radioskd.html>

WORLD OF RADIO PODCASTS VIA WRN:
<http://podcast.worldofradio.org>

OUR ONDEMAND AUDIO:
<http://wor.worldofradio.org>

WORLD OF RADIO HOME PAGES:
<http://www.worldofradio.com>
<http://www.angelfire.com/ok/worldofradio>

DX LISTENING DIGEST UPON WHICH WOR IS BASED:
<http://www.worldofradio.com/dxldmid.html>

73, Glenn Hauser, inviting all NASWAns to keep up with the latest SW and
DX news by listening to WORLD OF RADIO every week

Company Store

Jim Strader KB1KYW • 74 Miller St. • Middleborough, MA 02346-3216 • jimstrader@msn.com

The following items are available through the Company Store. Shipping is extra as noted.

Publications

Shortwave Listening Guidebook by Harry Helms. A beginners guide to shortwave listening covering equipment and more.	\$19.95 +4.60 s/h US +8.00 s/h Can.
Joe Carr's Receiving Antenna Handbook A guide to high performance receiving antennas from longwave to HF and VHF.	\$19.95 +4.60 s/h US +8.00 s/h Can.
Joe Carr's Loop Antenna Handbook Comprehensive but readable guide to understanding and building loop antennas.	\$16.50 +4.60 s/h US +8.00 s/h Can.
Radio Monitoring: the How-to Guide by Skip Arey. Guide for new listeners to MW, HF, VHF and above.	17.95 +4.60 s/h US +8.00 s/h Can.
Passport to Worldband Radio 2008 Great source of information about shortwave stations, frequencies in use and schedules.	\$18.90 +4.60 s/h US +8.00 s/h Can.
World Radio and TV Handbook 2008 Long considered to be the bible for shortwave listeners.	\$26.90 +4.60 s/h US +8.00 s/h Can.
Fine Tuning's Proceedings Reprint Catalogs Complete list of articles from this hobby classic. Choose from 1) 5 page version with article titles or 2) 20 page version with article abstracts.	1)\$2.00 ppd 2)\$5.00 ppd
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