

The **NASWA** Journal

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DECEMBER 2008

Holiday Greetings

The NASWA Journal

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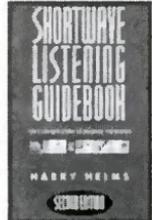
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This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, radio club info., plus receiver reviews. **WRTH** Pub. 2009 63rd Edition.

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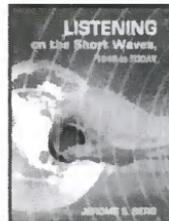
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By Jerome S. Berg. The heart of the book, *Shortwave Year-by-Year* is a detailed account of the shortwave bands in each year from 1945 to present. It reviews what American listeners were hearing on the shortwave bands, describes the arrival and departure of stations, and recounts important shortwave events. ©2008 McFarland 384 p. List \$65.00.

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By Jerome S. Berg. Written from the standpoint of the serious shortwave enthusiast, this book examines the histories of the major North American shortwave clubs, DX programs, a chronology of the shortwave receivers, how receiver technology impacted listening plus PCs and shortwave listening. ©2008 McFarland 424 p. List price \$65.00.

Order #1651 **\$59.95**

2009 ARRL HANDBOOK FOR RADIO COMMUNICATIONS

This massive 2 inch thick volume is the ultimate reference book for hams and techs. For all skill levels. With CD-ROM. 86th Ed. ©2008. A.R.R.L. Softcover 1206 p. List \$44.95.

Order #5187 **\$99.95 \$34.90**

2008 ARRL HANDBOOK FOR RADIO COMMUNICATIONS

The 2008 59th Ed. with CD. Closeout. Order #5024 **\$44.95 \$22.98**

DISCOVER DXING! HOW TO HEAR DISTANT AM, FM & TV STATIONS

By J. Zondio. A great intro to DXing the AM, FM and TV bands. Topics include: propagation, seasonal conditions, equipment, antennas and reference materials. Third Ed. ©2006 *Universal Radio*. 96 p.

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UNIVERSAL CATALOG 08-08

This informative, new 124 page catalog was printed October 2008. It features a wide assortment of items for the shortwave, amateur and scanner radio hobbyists. It is not being sent out automatically, so request your **FREE** copy by phone or email today!



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Has another year passed? This one seemed to just fly by as I feel that I just did a year-end column recently, hi! Anyway, best of the holiday season to one and all. May that new receiver you dream about become a reality. If not a new receiver than maybe some accessories or a new book or two. This is the best time of the year to justify something expensive for yourself ... go on, you deserve it! Season's greetings!

Oops! Department: Last month's notice about the date of the Columbus Chapter meeting at Universal Radio was incorrect. **Mike Rohde** was kind enough to call it a "misprint" but a more appropriate tag would be "mistake." The fault was mine but this would be a good time to make sure local group meetings check the information printed in the *Calendar of Events* to make sure that dates are correct. If not, please set me straight as soon as possible. Thanks!

As the year draws to a close, it is time to begin planning activities for the next calendar year. First on everyone's list should be the 22nd Annual Winter SWL Festival in beautiful Kulpville, PA. Mark your calendars for March 13 and 14, 2009 for this club sponsored event. The FESTmeisters — **Rich Cuff** and **John Figliozzi** — invite one and

all to attend. We will have more about the upcoming Winter SWL Festival next month. See you in Kulpville in March!

Some great reading in October with the 60th anniversary edition of the *DX Times* published by the New Zealand Radio DX League (NZRDXL) plus the supplemental booklet celebrating the club's 60th anniversary. This was a great way to document that club's history and DXing in New Zealand, in general. It is certainly an outstanding piece of DX history literature. Congratulations to the NZRDXL on celebrating #60 and to all the fine members that contributed to the special publication marking this grand event. It was a great job by all involved!

If you are looking for some nice books to give, or receive, this holiday season try **Jerry Berg's** *Listening on the Short Waves, 1945 to Today* (hardback, 415 pages, 120 photos, ISBN 978-0-7864-3996-6) which begins with an examination of the broad shortwave audience (It then presents in detail the histories of the major North American shortwave clubs, and reviews the professional and listener-generated shortwave literature of the era. It also covers the DX programs and other listening fare to which shortwave listeners were most attracted, and the QSL

In Memory Of

NASWA member Dr. Mark Ferrioli passed away unexpectedly on November 21st. Mark was a regular attendee at the Reading Area DXers meetings each month usually being the first to arrive. His enthusiasm and friendship were enjoyed by all. Recently, he organized the club's successful presence at the Kutztown Antique Radio Show where he signed up a number of new members. Mark planned to return to future such events on the club's behalf. He was a regular at the Winter SWL Festival and a frequent contributor to *The Journal*. Mark recently retired from his martial arts business after 40 years of continuous operation. Unfortunately, he did not have an opportunity to fully enjoy life without its day-to-day grind. He is survived by his lady friend Linda Wellington who attended recent Fests with Mark.

Our Motto: Unity & Friendship

cards they sought as confirmation of their reception) or *Broadcasting on the Short Waves, 1945 to Today* (hardback, 488 pages, 190 photos, ISBN 978-0-7864-3674-3) which focuses on the stations and the environment in which they operated. (It contains a detailed account of the shortwave bands for each year from 1945 to the present. Written from the standpoint of the listener, it reviews what American listeners were hearing on both the international and domestic shortwave bands, describes the arrivals and departures of stations, and recounts important shortwave events). Both of JB's new books are available from the publisher, McFarland & Co., Inc., Box 611, Jefferson, NC 28640, by mail, phone, FAX or on the web. See the McFarland website www.mcfarland-pub.com for details. They are also available from Universal Radio in Reynoldsburg, Ohio, and from major Internet booksellers such as Amazon, Barnes & Noble, and Waterstone's. Each title lists for US\$65.00 plus shipping. See this month's *Shortwave Center* for a comprehensive review of Listening.

Also, if you're giving or receiving books try the CD kind. **Gayle and Larry Van Horn** released Teak Publishing's second eBook, the *International Callsign Handbook, 2nd edition*. Written by Gayle and Larry, the new CD-ROM publication will aid radio hobbyists in identifying radio stations in the HF/VHF/UHF radio spectrums. The disk contains thousands of callsigns and other types of identifiers from Gayle and Larry's personal log book, official sources and dedicated hobbyists who contributed material. The International Callsign Handbook is published in Adobe Acrobat (PDF) electronic format and is fully searchable and printable. The handbook is 1,414 pages and costs US\$19.95 plus US\$3.00 shipping and handling. Contact Teak Publishing, P. O. Box 297, Brasstown, NC 28902, USA or e-mail at teakpub@brmemc.net for further information.

The Reading Area DXers celebrated their first anniversary of operations in October with another dinner meeting attended by **Rich Cuff, Rich D'Angelo, Mark Ferrioli, Ron Hunsicker and Ed Mauger**. The first meeting was downtown at The Peanut Bar but subsequent meetings have been held on the east

side of town. First they migrated to Stoppers Pub before seemingly finding a home at The Flying Dog. Year two is already underway with November's pre-Thanksgiving gathering plus a scheduled Christmas bash in a few weeks. If you can be near the "greater" Reading area, consider joining up with the gang for their once a month meetings over food and drink in beautiful, majestic Earlville, PA.

Winners of this year's Association of International Broadcasting (AIB) Media Excellence Awards were announced at a gala dinner in London on 12 November. Broadcasters, independent production houses, technology companies, journalists and media observers from more than 15 countries joined the sell-out event at the LSO St Luke's venue in central London. 2008 was a bumper year for the AIB Awards, attracting an increased number of entries in just the fourth year of the Awards. AIB chief executive **Simon Spanswick** says "Over the last four years we've considered more than 1,000 entries, with this year providing over 300 submissions of TV, Radio and on-line productions from more than 25 countries. We saw a marked increase in quality this year, and this meant our international panel of judges had some difficult decisions to make." This year's winners include: South African Broadcasting Corporation; Strix TV; Tinderbox Production; BBC World Service; Rockhopper TV; BBC Northern Ireland; Sveriges Radio; 3FM; NFL Network; France 24; Sveriges Television; Link Research. In addition, the AIB awarded presenter of the year awards to the 3FM team for radio and to Sky1's Ross Kemp for television.

Every once in a while, the *Flashsheet* distribution list provides hours of frustrating entertainment for your truly. In recent weeks, AOL tells me that **Jim Fedor's** e-mail address isn't valid. Jim, if you are out there please contact me. Also, the following e-mail addresses have been bouncing of late: **David Askine** and **Gilbert A. Toon**. Gents, if you are out there please get in touch with me so I can update the Flashsheet with your current e-mail address. Thanks!

Please remember to direct all communications about subscriptions, bulletin delivery

issues, Hanukkah and Christmas holiday gift giving suggestions, 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 Wyoming 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. 

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.

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/>.

FRENDX: Twenty-Five Years Ago (December 1983)

In John Herkimer's *Shortwave Center*, Jerry Berg wrote about "Verifying Chinese Regional Stations" while Marlin Field wrote "Christian Radio Voices." In his *Technical Topics* column, Jim Herkimer wrote about loop antennas. In his *Pappas on Programming* column, editor Nick Pappas discussed "Gatekeepers and Grenada: Alternatives and Restrictions in News Flow." Roger Legge compiled another edition of *English Language Broadcasts to North America*. Gilfer Shortwave was advertising a new 200-page softbound computer printout of shortwave broadcasting schedules available in January 1984 entitled *Radio Database International* at a special pre-publication price of \$9.95. In his *QSL Report* column, Sam Barto noted that 99 countries were reported which was a little below average but contained many good QSLs. In *Log Reporters*, editor Nick Pappas thanked this month's 67 reporters. 

Calendar Of Events

- Dec 12 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>
- Dec 13 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.
- Dec 13 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)
- Dec 15 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.
- Dec 19 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.
- Feb 2-6, 2009 Conference.** The Arab States Broadcasting Union will host the **HFCC/ASBU A09 frequency planning conference** from 2-6 February 2009 at its headquarters in Tunis, Tunisia.
- Feb 7, 2009 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.
- Mar 13-14, 2009 Convention.** The 22nd Annual Winter SWL Festival, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 13th and 14th March 2009. 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'09 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'09 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.
- 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. More details to follow.
- 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). 

Musings

Richard W. Parker, KB2DMD, 1205 Sleepy Hollow Road, Pennsburg, PA 18073

Mike Barraclough's compilation "Radio During and Following the Soviet Invasion of Czechoslovakia" (October Journal) was spectacular! After reading it, I started thinking that perhaps I ought to subscribe to Contact. Could you explain how it works? Do I send you the \$24, or does it have to go to the UK address? Do the magazines come from the UK, or do you handle stateside distribution?

[Rich has asked a bunch of questions that come my way periodically, so let me take a moment to answer them. In North America – or for anyone with US funds – I take sample requests (\$2.00 each) and subscriptions/memberships for US\$24.00 (airmail) or US\$20.00 (surface mail) for the World DX Club. The monthly club bulletin, Contact, comes direct from the UK headquarters. My address is on the masthead of NASWA Notes. – RAD]

Bob Fraser, 255 Lincolville Avenue, Belfast, ME 04915-7404

I had wondered, since no SWLer or DXer stops with just one radio, how they use these sets. I read of the exploits of a DXpedition but it seems that everyone shows up with a single radio. Is this their favorite radio, or does one chose a certain set for the DXpedition, or is each radio used in turn? Or are a couple or so brought along to compare during an event?

As for myself, I have limited myself to a small portable I can slip into a pocket. I also lack room for a good shack and once turned down a friend's free offer of a Japan NRD-525 for this reason. As any of you, I could carry so much gear that it would look like a 19th century African safari but the idea is to enjoy radio not spend the time making sure of the whereabouts of so much equipment.

I also read of Radio Netherlands ending their North American Service in the October Journal. Too bad as I still enjoyed their programs but I still get a fair signal from their African service. I felt that Radio Netherlands started downhill when they first modernized then ended the "Happy Station" program.

I saw Rich Cuff's idea for RMW to use an American SW station as a relay. I think they already have. Recently, I came across RNW at 2200 UTC on 9955 kHz. This is the frequency of WRMI, a station I very rarely hear. The signal ranges from very poor to somewhat fair and have enjoyed "Radio Books" program to some point. No real ID bit I did hear "... to East, West and ... Africa." The third place was either North or South Africa. Another

time, I tuned it several minutes before 2200 and heard a faint signal which came up enough to be RNW.

I have a very hard time hearing any American SW station here. Someone in a better place or with better equipment might be able to confirm this transmission. I guessed it would be from 2100 to 2300 UTC.

Megan Pinette, President of the Belfast Historical Society, just told me that Jerry Berg will be visiting here to research the RCA radio station of 1923-1029 for his newest radio history book, covering 1923-1945. I hope to meet him but I very much doubt if I can tell him anything he doesn't already know.

Also, a clerk at the Belfast Post Office told me that the international postal rates will jump 84% sometime in 2009. With stations dropping like flies and now this, looks like we all will have to look for something else to do.

Ron Howard <ron888howard@gmail.com>, Asilomar Beach, CA

Email from Larry Thom (Chief Engineer WRNO) at 1700 UTC, Oct 21: "We are currently off the air but should be back on soon. Elcor (transmitter manufacturer) is making modifications to the oscillator sections to give it more stability. Additionally, we are awaiting delivery of a Vacuum Variable Capacitor for final RF power output section of the transmitter. The transmitter was furnished with Jennings Glass type vacuum variables. We changed out all but two for the ceramic type before going on the air as they are more durable to high voltage arching, etc. which are encountered by all high power shortwave stations from time to time. Just the nature of the beast! As luck would have it the one that wasn't replaced caused us a problem on 7505. At this point we are just working out the bugs that come along with the installation of a new transmitter, but having said that, we hope this will take care of most of the issues at hand and cause us less down time in the future. Thanks, Larry"

7295, Traxx FM, received a package from Ms Suhaila MD Zaini (Program Manager of Traxx FM), containing letter thanking me for my feedback and gives contact email for feedback as < mail [at] traxxfm.net >, several folders with program schedule and frequencies (none listed for SW) and 3 nice "TraXX fm Travel N Music Klang Valley 90.3 fm/100.1 fm" bumper stickers. About five weeks ago I sent one of their DJs (Shaz) an email with an attached audio clip of his program. He must have forwarded it on to Ms Zaini. This is my first mailed response from them. Recently they changed their station slogan to "Travel N Music" and they are now actively promoting domestic and international tourism, so now would be a good time to dust off those old reception reports (or generate new ones) and send them off. Street Address (mailed from): Traxx FM, Tingkat 4(u), Wisma Radio, Peti Surat 11272, 50740 Angkasapuri, Kuala Lumpur. Mailing address (on their stationery): Traxx FM, 2nd Floor Utara, Wisma Radio, P.O. Box 11272, 50740 Angkasapuri, Kuala Lumpur.

Recently I have been corresponding with Shiokaze (via COMJAN), providing information about their transmission on 6020 (including an emailed audio clip of their reception) and the North Korean jamming that recently appeared there. Went on to suggest perhaps it was time to change to a new frequency again. Once I noticed they had in fact changed frequency, I inquired about it, as I couldn't immediately find them. Received this response:

"Thank you very much for your information. We have changed the frequency 26th October because there was strong jamming from North Korea. Now we don't disclose the frequency number because of avoiding jamming from North Korea. So we would like ask you to search our frequency near 6020 khz. Maybe you can easily touch with new frequency.

Sincerely yours, Sadaki MANABE (COMJAN Vice representative)"

RE: WRNO - Glenn suggested I contact them to find out about their current schedule: received an email from Larry Thom (WRNO Chief Engineer) at 1445 UTC, 11/4/08: "As it stands, we are still testing the transmitter. We are using automation right now, our programming is not live. We still have some minor bugs to work out and are waiting for a couple of parts. Most of these modifications/parts are used in the 15590 frequency and do not affect the 7505 frequency. Normally we would not be on the air 24 hours at this time, but are doing this to make sure the new oscillators we installed in the transmitter are stable, and frequency drift will stay at a minimum. However, WRNO is planning to increase air time to day and night hours, and at some point, 24 hours of broadcast. We will be utilizing two frequencies 15590 (day time) and 7505 (evening). If all goes well, we may complete most of the modifications today and I expect normal programming to resume very soon. Thanks, Larry"

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

Radio Pio Doce: This is one of my favorite CP stations, not heard in a long while because of a difficult freq. Years ago it was quite regular and I got to know the Roman Catholic brothers who supported the station, financially and technically. One of them later visited me en route back to his home near Montreal. The station's purpose then, at least, was to support, educationally and politically, the tin miners' union in the mining town of Siglo Viente (a rather improbable name -- 20th Century -- for such a backwards-backwaters community). The political aspect resulted in the station being dynamited several times by government goons. That, at least, is not likely to be repeated during the Morales regime.

Radio Sicuani: This is one of my favorite OA stns in a typical small Altiplano town. I vividly recall — though this was decades ago — Sicuani as a brief stop on the rail line from Cusco to Puno on Lake Titicaca. We stopped there just long enough for me to buy an alpaca scarf from an Quechua-speaking woman, one of many lined up along the tracks selling their wares.

RRI Makassar: Of the 60 mb. Indonesians, this one has proved to be the hardest this season. I don't know why, since, traditionally it has been the best of the bunch. Sunday morning, however, it was the best, audible for the Jakarta warta berita at 1200, retuned various times until about 1245. Very quickly peaking fair to good around 1225, here in Wis., but with a relatively short window of 10 to 12 minutes. The season's usual best Indo bet, 4790, RRI Fak Fak was nearly as good as Makassar this am. Others hrd also, but at poor level, 4870 RRI Wamena and 4920 RRI Biak. Local noise made 90 mb useless, with the exception of Wewak, this a.m. Overall, though, 10/26 only a mediocre morning for Indos.

Henrik Klemetz <hklemetz@yahoo.se>, Sweden

I was told by Guillermo Siles, "administrador" of the station in the 90's, that Pío XII was attacked by goons sent out by the communist-supported Radio La Voz del Minero, active on and around 5660 in the late 50's and early 60's.

While I don't believe Pío XII will be a bombing target right now, unfortunately several other Bolivian stations are in danger, Radio San Miguel, in Riberalta, and ACLO, in Sucre, both of them run by the Catholic church, and apparently in disagreement with Morales' F. Pl.

And in neighboring Peru, goons have recently destroyed the studio equipment of also Catholic-run Radio Sicuani, which is now off the air. Newspaper reports say "campesinos" do not want a hydroelectric power plant to be built nearby (usual commie tactic to delay

civilization in backward areas). Other reports say that goons were supported by two local radio station managers, also politicians, who might bear the Radio Sicutani people a grudge also from non-political viewpoints. I happened to check Radio Sicutani online a month ago and was surprised at the incredible amount of local ads. Their internet signal was excellent. Now it's all gone.

A spoken account of what happened can be heard on the CNR website.

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

Thanks for the update that Sicutani is off the air. Obviously, then, my report of that one as presumed was in error. At this time I am uncertain as to which station I had. The last time I heard LV de la Selva it was about 1.5 kHz lower. And I don't believe they are on the air currently, either. What I heard was Spanish, not Brazilian Portuguese. For now it will have to stand merely as an unidentified.

As to Pio Doce, from the Catholic brother I corresponded with and spoke to in person during his visit, I knew the station had been subject to several dynamite attacks and several less successful attempts. At one point, I know they had women, wives or girlfriends of some of the union miners, sleeping in the studios, on the assumption that the goons would have enough decency not to blow it up knowing the women were sleeping there. As of our conversation, no one had been killed in the attacks, he said. The Canadian brothers and the miners supporting the station were, of course, strongly Roman Catholic, and very "progressive" or "liberal." He did mention the opposition of the local Communists, but, he, at least, was convinced that the dynamiting was done by the Army, some in uniform, some not. The politics of Bolivia, then as now, was very tangled. Back then, most of the turmoil was in the altiplano, with the area around Santa Cruz and the eastern lowlands being relatively quiet . . . people there were mostly busy making money, which they weren't interested in sharing with the poor highland Indios.

FIRST STN TO XMT IN MAYAN?

Thanks to Julian Santiago Diez de Bonilla, reporting in Condiglist, I sent an email report to one of the station's technicians, with info and an MP3 recording of my logging on 11/16, Sunday morning 0545-0615 with Mexican mx, tk pgm, phone calls from listeners. Signal greatly improved from previous spotty, distorted receptions. Report sent to Ing. L. Orlando Gonzalez Balam at tecnico@rasayucatan.com This brought an email reply in several hours from Orlando who reports the following. This stn, formerly relaying XEQM 810 kHz when it was called Tus Panteras, had the SW call XEQM. And in fact, it still has those call letters for the MW and SW outlets, respectively. But 810 kHz now bcsts in the Mayan language as Radio Yoo'l I'ik, which translates as the Essence of the Wind. Its slogan is "in t'aan tu yool iik," which translates, in Spanish, to "mi voz a traves del viento" or "my voice through the wind." XEQM, the SW xmtr soon will retransmit Radio Yool I'ik but currently cannot for technical reasons — not entirely clear, but apparently because of some physical separation between the MW and SW xmtrs. Right now, the pgm feed on 6104.9 (nominal 6105) is from FMer, XHMH, "La Candela." The original XEQM, still in use, was homebuilt, and there have been problems getting repair parts. The power is 250 watts to a quarter-wave dipole antenna. All the stations are part of a major Mexican network of stations called Gran Cadena RASA. My thanks to Orlando for all the information.

Toshi Ohtake <ohtaket@yahoo.co.jp>, 5-31-6- Tamanawa, Kamakura 247-0071, Japan

The first topic is the just reminder of the Radio St. Helena Day 2008. Radio St. Helena will broadcast on 11092.5kHz in USB mode on Saturday, 15th of November 2008. I hope you will successfully catch this annual broadcast. I recommended our members to use ordinary stamps in sending their reception reports in order to avoid any missing mails in transit.

The second topic is the noise problem of PLC (Power Line Communication) equipment in Japan. We have filed an objection against the approval of the latest PLC equipment made by the Ministry of Interior and Communications. Some of the data taken by the academic circle show very high noise levels which prevents satisfactory listening to the Radio Nikkei. This means NO DX'ing is expected in neighboring houses. Almost 100 listeners joined this filing. We expect a formal hearing will be conducted soon for a technical re-evaluation of the approval.

This is all for this month.

Wishing you FB DXing! Toshi Ohtake, Japan Short Wave Club

Bruce Barker <brbarker@comcast.net>, Broomall, PA

I stopped collecting QSLs back sometime in the 70s but decided to start again recently because there are so many new countries to verify and because I have so much more time on my hands after retiring from Voice of America.

The first new QSL received came from, of all places, VOA, verifying the Sao Tome relay station. While it confirmed the site, the rest of the data was wrong. Frequency was wrong, date was incorrect, time was wrong. I'm not certain if I should return it — along with the original letter — asking for a correct card or keep it as is. Someone somewhere probably has my correct version, and I have theirs. And they're wondering, too.

Mike Barraclough mikewb@dircon.co.uk, England

We were very pleased to welcome Risto Vahakainu to last months meeting of the Reading International Radio Group, Risto spoke on 50 Years of the Finnish DX Association which was formed in January 1958, congratulations to the FDXA on their anniversary. The next meeting will be held on Saturday November 22 in Room 3, Reading International Solidarity Centre, 35-39 London Street, Reading. Programme will include a look at shortwave broadcast listening between 1923 and 1945 and history and audio from Czech radio broadcasts at the time of the Soviet invasion in 1968. For further details email me or phone 01462 643899.

Dr. Mark J. Ferrioli <Drmarkjf@AOL.Com>, P. O. Box 5000, Philadelphia, PA 19111

On Friday evening October 24th, 2008, the 'Berks County, Pennsylvania Based NASWA Meeting Group' (Serving all of S.E. Pennsylvania — You do not have to live in the area to attend) celebrated its 'First (1st) Anniversary' from 05:30 to 08:30 P.M., at the 'Flying Dog' in Earlville, PA! Present were our Executive Director Richard A. D'Angelo, 'Easy Listening' NAWSA Journal Columnist Richard Cuff, Dr. Mark J. Ferrioli, Ron Hunsicker and Ed Mauger. Ron Hunsicker brought in a 'Special Show and Tell' being 'Seven (7) Pemwood Numechron Tymeters' from his personal collection as follows: A Model #100, Model #700 (Lighted T.V. Type), Model #900, Art Deco Model (# ?), a Seth Thomas Model #579034 (With 'Numechron Works'), Speed Read Model #E037-000 produced by: 'Div. of General Time' of Pittsburg, PA and one unknown Model (?). A number of these are show in the picture below:

Of interest in the picture is the bottom right hand set of three (3) clocks placed in a hand build box. The left and right hand clocks are twenty four (24) hour movements while the center clock is a twelve (12) hour movement. They are arranged to show 'GMT,' 'EST' and 'EMT' (?). These clocks were often used by 'Ham Operators' to assist them in announcing their 'Call Sign' within the required intervals during their individual transmissions, for 'General Time Logging,' etc. Each clock was driven by a simple AC one (1) minute rotational electric motor connected to the second, minute, and hour digital plastic wheels (Set by hand turning of the individual wheels). Most also included a simple single small light bulb illumination (The 'Glow' being quite charming and reminiscent of times now gone

by). One clock even had a separately installed 'On / Off Push Button Switch' which was probably used by its former owner in setting the clock more exactly while listening to one of the shortwave time broadcasts. In short, each of these was fascinating to examine and behold! All were in very good to excellent condition complete with individual cords and AC plugs. To say the least, the clocks produced some lively discussion and we thank Ron Hunsicker for bringing them in to share!

Also, Ed Mauger brought in an old (Original) 'Crosley Record Player' shown to us from the back of his pick-up truck!

Lastly, each attendee received 'Two (2) One Hundred (100) Dollar Bill Pencils' as a keepsake from the 'One (1) Year Anniversary Event!' As we soon being our second (2) year of pending gatherings we invite you to attend. Please contact any of the above mentioned attendees for exact times and dates. Don't miss out on the fun and fellowship; not to mention the good food and drink!

Terry Kelly, K5TJK <WDX6TJK@aol.com>, Texas

I am back with the NASWA after a long absence. It's good to be back. Retired from law enforcement after 32 years. Moved from California to Texas, and will probably move back to California in a couple of years when my daughter and her husband are ready to go. meanwhile I am working at a local Indian Casino as an inspector, and getting back into my radio hobbies. I am using a mint National HRO 500 as my primary SWL rig and my Icom M7000's full coverage receive section.

SWL has certainly changed, but I still enjoy the thrill of listening to that rare DX. I am going to miss RN English to North America, remember Eddie Startz? and his "Nice Cuppa"? How about that interval signal from RSA?

I liked that Radio Botswana Interval as well. One of my favorite programs was the Dx program on RSA hosted by Leo Van der Walt, and "Bantu Fireside tales". Then of course "Sweden calling DXer's" and of course The HCJB DX program.

I remember Radio Nederland did a food program in the summer of 1967, I wrote in for some of the recipes and had my Mom make them for me, cookies I believe and they were quite good...

There is still nothing like the smell of warm vacuum tubes and dust, the glow of dial lamps, and the thrill of catching that rare or elusive DX station. That summer of 1967 I chased a bird call interval across the bands, trying to hang on to it long enough to get an ID, in those days I was listening on a 1936 RCA Model 9K3 console Radio, the whole dial flips to the proper scale in the dial window when you change bands, and that green tuning eye, it glowed brightly in the dark and added that special ambience to the Dxing experience.

Richard W. Parker KB2DMD, 1205 Sleepy Hollow Road, Pennsburg, PA 18073

Most members probably aren't aware of this, but choosing not to have internet access in one's home often relegates one to the status of 2nd class citizen, or gets you placed on the "pay no mind" list.

Anyone who perused the "loggings" columns in the November Journal may have thought that I took a vacation from DXing during the month of September. I did not. Conditions here were much improved (compared to the summer months), and I forwarded about 70 good logs prior to Bob deadline. Whether they vanished into the postal abyss, I will never know. Resubmitting them would be pointless, as they'd be really old news by the time they were published.

We're also still waiting for our 2007 Radio St. Helena QSL, but I'm unable to avail myself with Robert Kipp's "e-mail complaint department." The 2006 card arrived here in 373 days however, so I suppose there's still hope.

Yesterday, I caught an interesting item on "This Week in Amateur Radio" (which airs Sunday afternoons on WBCQ, 7415 kHz). Apparently, when the FCC approved the experimental DRM folly up in Alaska, one of the bands allocated was 7.1 to 7.3 MHz! No one seems to know how the 40 meter amateur band got included, the FCC claims it must have been an "oversight." Thankfully, the ARRL managed to get this squashed, but the tropical bands are still fair game for that lunacy.

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

After an unusual long period with almost summer weather on October and the first week of November 2008 (except some storms and rains), since November 7th, there is a cooler temperature here in Roma and Italy.

Thanks to the longer dark time during fall, I take advantage for doing some DX on Tropical bands at evening, during late night at weekends, and especially at early morning before the sunrise, as entrance time at my workplace moved from 0735 to 0815 local time (my workplace is far just a stroll of about ten minutes from my home).

Nothing of new under the stars on Tropical bands during the last week of October and the first days of November: only usual LA stations previously caught and logged, plus noted the strong R. Rebelde shifted from 5025 to 5024.99 kHz. On Nov. 8 late night, looking for some LA DX, just noted nice conditions toward middle east and far east only (except usual few LA stations), with a station from India and, above all, some broadcasts from China, but I logged AIR Mumbai on 4840 kHz, and Tajikistan on 4765.05 only. Last but not least, on Nov. 9 before sunrise, finally I caught my first rare DX of the fall season: a presumed R. Imaculada Conceicao in Brazil on 4754.92v, mixed with strong codar and heavy static crashes, so impossible to catch an ID !

That's all for now. Till the next. '73 and good DX, Gianni

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

I received a QSL in the mail from Cotton Tree News for an email report. I wish everyone operated like CTN did in this case. I sent the email to gbennett76@yahoo.co.uk and in 12 hours he had responded thanked me for the report and told me he was sending a QSL. Eleven days later a full data QSL was in my mail box.

Thank you CTN! Mike

Ed Insinger <lenapeland@aol.com>, 28 Madison Avenue, Summit, NJ 07901

I had the opportunity to listen to RSH Day 2008. My gear was ready before they began transmitting at 2000 UTC and was a bit worried by the mention of thunderstorms in my area. The weather was very warm for November, with intermittent showers, rain and torrential downpours. Fortunately, the thunderstorms never came. By 2013 UTC, I was picking up flute music and a full station ID followed. Best reception of the afternoon/evening occurred at 2030 UTC here, with the Carpenters singing "Yesterday Once More." I was expecting an improvement in reception for the broadcast to Europe at 2100, but that wasn't to be today. I continued listening until 2205 UTC, when their signal was washing out, due to atmospheric noise and fading. It was great to hear RSH Day 2008 and I managed enough details to create a reception report. This time around, I will try the announced "via UK & Ascension Island" address on the envelope, hoping to QSL!

Using the R8A with a 100 foot longwire, their signal peaked at S5 dB, but settled at or below S3 dB for a majority of today's transmission. To think that I could hear a 2 to 5 microvolt signal this well continues to amaze me!

Steve Price <vinytocr@msn.com>, Johnston, PA

Could you print this email that I got from Robert Kipp and Gary Walters? It may be for a nice musing or something. I am kinda happy for what they did for me.

Steve

"Dear Mrs. and Mr. Steve Price and son Noah,

In spite of the workload in these last days before Radio St. Helena Day 2008, the Staff at Radio St. Helena would like to thank you for sharing this story of Noah with us, to thank you for your participation in our Radio St. Helena Day 2007 broadcast to North America, and to wish you good reception conditions on 15. November 2008 during RSD 2008.

Noah has achieved something very special that we would like to announce during the RSD 2008 broadcast to North America.

Noah was not only the youngest Radio St. Helena listener in 2007, but he will also have achieved the unique feat of having listened to two Radio St. Helena Day broadcasts (2007 and 2008) before reaching the age of one year.

As a very special favour to you and Noah, we are sending you three photos taken yesterday showing a photo of Steve and Noah posted on the Radio St. Helena Notice Board in our offices.



We sincerely hope that you and Noah enjoy these photos and the memories of the Radio St. Helena Day broadcasts 2007 and 2008 for many, many years to come.

With very best greetings and wishes, Gary Walters, Station Manager of Radio St. Helena and Robert Kipp, Special Assistant to the Station Manager of Radio St. Helena"

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

As I close up this month's column, I begin packing for our first DXpedition of the new DX season to French Creek State Park. Arrive on Sunday, November 23rd and depart on Tuesday, November 25th. I get to enjoy one day back in the office before enjoying a much needed four day Thanksgiving Holiday weekend. No wonder I love this time of the year, hi!

Jerry Berg's two new books have made for some great reading as the days grow dark. I just finished Listening on the Short Waves, 1945 to Today and plan to pick up Broadcasting on the Short Waves, 1945 to Today next. Listening was a joy to read and I suspect I will enjoy reading Broadcasting just as much. These two efforts of Jerry's will go down as

the ultimate post-war radio reference much like the original for the period up to 1945. Anyway, if you are looking for some good historical hobby radio-related reading, these two volumes are it.

Like Ed Insinger, I too heard this year's Radio St. Helena Day transmission. I was there for the sign on at 2000 UTC with a fair signal. Reception was up and down with many bad spells. Nevertheless, it was good to hear them once again after having missed last year's special broadcast due to travel commitments. Like Ed, I have sent them a reception report hoping that this year's small modification pays good results.

On to this month's QSL returns. Open Radio for North Korea via KWHR transmitter at Naalehu, Hawaii, which unfortunately was not noted in the letter) verified with a short letter mentioning that they are issuing QSL letters instead of cards "as a result of printing difficulty" although they anticipate issuing cards in the near future. Radio Africa verified with a "paper" card featuring an engineer standing in front of the transmitter from Pan American Broadcasting. They sent two letters, one in e-mail format but printed on Pan American Broadcasting letterhead signed by Robin Boggs and the other which seemed to be a standard letter encouraging letters to the ministries heard. Adventist World Radio via Wertachtal verified via Indianapolis office, where Adrian M. Peterson, DX Editor resides, with a picture postcard of child listening to a radio. The Mighty KBC via Sitkunai verified an electronic report with a quick electronic reply promising to send a QSL soon. Finally, the Voice of Turkey verified with a full data Pelican card including site (Emirler). The TRT also sent a tasseled bookmark which I am using while reading Jerry Berg's new book, Broadcasting on the Short Waves, 1945 to Today (another excellent and highly recommended read).

73, Rich



Easy Listening

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

Seasonal and holiday specials

One interesting consequence to the development of on-demand audio options is that you don't have to set your alarm clock to catch special holiday programming from international broadcasters. The specific examples I've listed below are generally available on-demand from the broadcasters' websites; the available archives of the BBC programming shown below now date back several years.

Radio Australia and Radio New Zealand International: "The Silly Season"

As I've mentioned in years past, with Australia and New Zealand in the southern hemisphere, the traditional Christmas holidays are overlaid on summer vacations, which means that the countries' domestic and international public broadcast services—along with the rest of the countries—go on mass vacation from from mid-December to mid-January. Since both **Radio Australia** and **Radio New Zealand International** relay a substantial amount of domestic content, these broadcasters have to shuffle their schedules and bring in one-time programming and increase some repeats.

While plans aren't finalized yet for the schedules of each broadcaster, historically Radio Australia takes much of its holiday season programming from the Local Radio network, not Radio National. There is also an increased level of sports programming at times and on frequencies that are not typically allocated to sports programming.

The ABC's **Radio National** and **Radio Australia** will quite often air more documentaries than you would normally hear during the year, and you can expect to hear some programs that originally aired on such broadcasters as **Radio Netherlands**, the **BBC World Service**, Canada's **CBC Radio**

One and the USA's **National Public Radio**. If you're used to listening to Radio Australia and RNZI programming on-demand, you may be out of luck during this period; these special editions often are not made available for on-demand listening.

Expect these altered schedules to be in place from December 20th to January 20th, give or take a few days.

As mid-December approaches, I'll try to publicize schedule changes via the *swprograms* e-mail list, the *NASWA Flashsheet*, and my very occasional blog, <http://intl-radio.blogspot.com/>.

Other broadcasters' holiday plans

Most international broadcasters try to arrange for time off for their program presenters and editors around the Christmas and New Year's seasons, resulting in specials and end-of-year reviews and perspectives that can be prepared in advance. Prior years have seen the following specials and events:

Radio Canada International / CBC

The ODXA's Fred Waterer along with John Figliozzi, have assembled the following notes on what to expect from the CBC:

As It Happens, especially on Christmas Eve, produces a special annual program. Each year, the program contacts members of the Canadian Armed Forces serving with the UN, NATO, NORAD and those serving in the far north. Each unit has 3 or 4 people speak for those serving with the unit. In past years, the units have served in such diverse locations as Canadian Forces Base Alert (Arctic), Colorado Springs (Norad), Germany, Cyprus, Golan Heights, Bermuda (!), the Persian Gulf, Somalia, Bosnia and Croatia, and Kosovo. It also has its moments of humor, such as the time the Canadian naval personnel stationed in Bermuda tried

to claim they missed the Canadian winter real bad! (via Fred Waterer/ODXA).

Christmas Day will likely see specials across CBC Radio One; there's no word as to whether or not these will show up on **Radio Canada International**, but this is less likely this year than in years past, since there is rarely any overlap between **Radio One** and RCI programming.

The weekend either before or after Christmas, *Quirks and Quarks*, the popular long-running science show, will likely air the *Annual Quirks Question Show*. *Quirks* is regularly ranked as the "Most Enjoyed" program on CBC Radio.

Vinyl Café will likely air a special Christmas concert.

BBC World Service

The BBC World Service hasn't publicized their holiday plans yet, but there are several annual traditions that are expected to continue:

The Festival of Nine Lessons and Carols is a long-standing tradition. Expect the program to originate once again from King's College in Cambridge; the *Festival* is a celebration of the birth of Christ in readings from the Bible and beautiful choral music. It features traditional favorites such as *Once In Royal David's City* as well as new music specially composed for the occasion. Last year's airings included Christmas Eve at 1501 and Christmas Day at 1301; the program also airs on **BBC Radio 4** and many US public radio stations that take programming from **Public Radio International**.

The Queen's Christmas Message to the Commonwealth is another annual tradition, lasting just 10 minutes but a highlight from year to year. Last year's airtimes included December 25th at 1505. You can also expect to hear the program on **Radio 4**, and recent editions have been available via podcast from the royals' own website, <http://www.royal.gov.uk>.

Radio Netherlands

Often Radio Netherlands will air a special seasonal documentary in lieu of *Newsline* on Christmas Day.

US Public Radio

Glenn Hauser, in years past, has put together a list of holiday specials on public radio on this World Of Radio website, specifically in the calendar section, <http://www.worldof-radio.com/calendar>. As of this date, you can browse the 2007-8 list, but Glenn has not yet freshened the list for 2008-9. It appears most US public radio stations haven't yet posted their holiday specials lists.

Radio Austria International—still producing English programming

Rich D'Angelo sent along the following:

The Listeners Relations Department of Radio Austria 1 International sent the latest program schedule and frequency information including how to tune them in "via short wave, medium wave, satellite, cable and the Internet." Clearly, they have their eye on the multi-media world platforms impacting worldwide communications today.

*The shortwave schedule shows a broadcast to Eastern North America on 7,325 kHz at 0030 to 0100 UTC with **The Week in Review** slated for Monday at 0035 UTC. Tuesday through Saturday the transmission begins with the News in Spanish followed by **Report from Austria**. The Sunday transmission is **The Week in Review**. A broadcast to Western North America is scheduled for 1600 to 1700 UTC on 13,675 kHz. Monday features **Report from Austria** at 1605 UTC and 1645 UTC. Tuesday through Saturday they feature **Report from Austria** at 1615 UTC and 1645 UTC. The Saturday and Sunday broadcasts feature **The Week in Review** at 1605 UTC, repeated at 1633 UTC.*

*The schedule describes **Report from Austria** as "a 15 minute news and current affairs programme on the air Monday to Friday, keeps*

you up to date on what's happening in Austria with news bulletins as well as interviews and features from the world of domestic and international politics, business, culture and sports."

New programs from the Voice of Turkey

Rich also forwarded information he received from the **Voice Of Turkey** regarding four new programs that have recently begun on the schedule:

Turkey and Energy: This new program introduces the energy policies and the work carried out in this field by Turkey, which is located right in the heart of the regional and global energy routes. It looks at the issue of energy throughout history and Turkey's relations with the neighboring countries, all of which are rich in energy resources.

Trailing in the Footsteps of our Heritage: The Turkish populace in the Caucasus is a neglected community. The program accentuates this reality and sheds light on the common history of the Caucasian Turkish nationalist's life story, which is aimed at better understanding the developments and problems of the present day.

The Black Sea: The relations of the littorals of the Black Sea, among them Turkey, the importance of the Black Sea in international relations, Black Sea organizations and Turkey's ideas and views in this regard are what this program deals with.

Yet More Letters from Meryem: Meryem is a name common in Christian and Islamic cultures. Meryem speaks about herself and the environment she is living in. The program has an approach of friendliness, providing an in-depth understanding of various aspects of Turkey in the format of letters penned by an imaginary person who goes by the name Meryem.

The **Voice of Turkey** targets North America via shortwave (yay!); I have heard them

recently from 0400 to 0500 on 6240 kHz and also from 1330 to 1425 on 12035 kHz. I've also recently heard them from 2300 to 2355 on 5960 kHz, but not nearly as well as the other two just mentioned.

China Radio International—Voices from Other Lands

One of the programming genres I enjoy the most is what I'll call the "external observer" genre. This is where an international broadcaster interviews someone who is originally not from the broadcaster's country but who is now living in the country on a regular basis. One example is **Deutsche Welle's** long-running **Living In Germany**, a staple in Deutsche Welle's Sunday (Monday UTC) programming; alas, this program is no longer being aired.

However, **CRI** has an entry called **Voices from Other Lands** that you may enjoy. The program features interviews from foreigners living in China and their impressions on Chinese culture and how their own culture interacts with, and contributes to, life in China. The CRI website describes **Voices from Other Lands** as "...a half-hour magazine show devoted to interviews and discussions on topics concerning China and its ties to the rest of the world...it is our intention to provide the setting for insights to be shared, knowledge to be gained, and ideas to be cherished, be they of national or international importance."

A recent edition featured an interview with the artistic director of the Peking University's Institute of World Theatre and Film. He produces the works of Shakespeare in both Chinese and English languages, and uses the nuances of Shakespearean English to teach his students about the diversity of the English language as well as Western theatre.

Voices from Other Lands also made the "Ten of the Best" list of top shortwave programs in the recently published 2009 edition of *Passport to World Band Radio*.

Voices from Other Lands airs Thursdays Beijing time, which corresponds to CRI broadcasts from 2300 UTC Wednesdays through to 2200 UTC Thursdays. You can easily find CRI on shortwave in North America at 2300, 0000, 0100, 0300, 0400, 0500, 0600, 1100, 1200, and 1300 UTC. Services targeting other regions (e.g. Europe and Africa) might also be audible as well.

The program is also available via live and on-demand webcast from CRI's website, <http://english.cri.cn>.

Shortwave Radio Africa

I recently took the time to listen to this station, a UK-based group broadcasting news about the strife-torn African country of Zimbabwe using transmitters in South Africa and the United Kingdom targeting Africa. The UK transmission—currently 1700–1900 on 11745 kHz—came in very well during a recent French Creek State Park DXpedition. The station obviously has a very narrow focus, but serves as a great testimonial for shortwave—able to reach audiences when domestic media is unreliable, censored, or simply not available. The service is operated by Zimbabweans in exile in the United Kingdom.

On the day I caught the broadcast, the emphasis was primarily on the attempt by former US President Jimmy Carter and former United Nations Secretary-General Kofi Annan to enter the country and their rebuff at the country's border. There was an extensive interview—probably longer than was available on any other shortwave resource in English that day.

While news about Zimbabwe is also available from such mainstream broadcasters as the BBC World Service, Channel Africa, Radio France International and the Voice of America, their responsibilities lie across the entire continent of Africa in their services; Shortwave Radio Africa is able to dedicate its entire focus to events in Zimbabwe.

Even though shortwave is an obvious preferred method to reach Zimbabwe, Shortwave Radio Africa is available via live and on-demand webcast, with a two-week programming archive available. Their URL is <http://www.swradioafrica.com>.

Use online resources to freshen up programming information

I've mentioned this before...the advent of websites and e-mails has enabled broadcasters to shorten their planning horizons—quite often, I'll ask them for information regarding their programming topics four to eight weeks in advance, and the information simply won't yet be available.

I'll occasionally post significant programming developments via the NASWA Yahoo Group (check out <http://groups.yahoo.com/group/NASWA/> if you're a NASWA member), the swprograms e-list (<http://montreal.kotalampi.com/mailman/listinfo/swprograms>), and my blog, <http://intradio.blogspot.com/>, which I'll admit hasn't been edited in many months...

May Santa Claus bring you wonderful presents under the tree, including a year of great listening!

73 DE Richard



FOR SALE: MFJ-959C antenna tuner preamplifier. Also the MFJ-1026 noise and interference canceler. All like new. Price \$165.00. Stanley Cabral, 2254 62nd Avenue, Oakland, CA 94605. Phone 1-510-562-0632.

Shortwave Center

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

NASWA Booth at Kutztown Antique Radio Meet a Success!

By Dr. Mark J. Ferrioli

The recent NASWA Membership Drive Booth No. - #428 at the Kutztown, PA, Renninger's Farmers Market / Antique Radio Swap sponsored by the Delaware Valley Historic Radio Club ("DVHRC") on Friday and Saturday September 19th and 20th, 2008, was a success!

Friday morning September 19th, 2008, started out with my girlfriend 'Ms. Linda Wellington' and I arriving at 9:30 A.M. to set up 'Booth - #428' in what was to be a gloriously beautiful sunny day in the mid 70's. The 'NASWA Booth' featured: A 'Large Electronic Sign (Featuring a message about all the benefits of 'NASWA Club Membership)', A 'Large Poster Board (Featuring Past 'NASWA Journal Covers,' 'SW Radio Pictures,' The 'NASWA Club Masthead and Staff Listing,' 'Membership Details,' etc.), Past '2007 NASWA Journal Sample Copies' (Free), '2008 NASWA Journal Sample Copies (.50 Cents Each),' (Free) Copies of the Recent 'Popular Communications Magazine Article about the Spring (2008) 21st NASWA Shortwave Festival' written by 'NASWA Director Richard D'Angelo' (A three page article published on blue paper), (Free) Sample Copies of the 'NASWA Flash Sheet,' Dozens and Dozens of (Free) 'Sample Copies of the September Issue of Popular Communications Magazine,' A 'Drawing Entry Box' for 'Two (2) Free One (1) Year Individual Subscriptions to Popular Communications Magazine' (Two (2) Winners were chosen randomly out of the box at the end of the 'Antique Radio Swap.' Mr. Robert H. Romero of Easton, PA and Mr. Bob Hartje of S.I. NY, from a sum of twenty seven (27) entries!), a 'Sangean AST-909 with Extension Speakers' featuring 'Live Received Broadcasts' from: 'Radio Canada International,' 'Havana Cuba,' 'Voice of Greece,' 'Radio Netherlands,' and many

others via a 'NASA-PA 30 Wire Antenna' set up in the pavilion!

NASWA Reading, PA, Area Chapter Members: Ed Mauger, Richard and Heidi Parker, and Ron Hunsicker gave their support and assistance to the 'NASWA Booth' which was greatly appreciated on both Friday and Saturday September 19th and 20th, 2008!

The NASWA Booth closed at about 6:00 P.M. Friday evening September 19th following by a fine dinner at the local 'Airport Diner' there in Kutztown, PA, which I greatly enjoyed with Ms. Wellington and Mr. Mauger! The 'NASWA Booth' re-opened again at about 10:00 A.M. Saturday morning September 20th on what proved to be another beautiful sunny day! Special Announcements were made by the Delaware Valley Historic Radio Club (DVHRC) via Loudspeakers welcoming NASWA to the event and encouraging all to visit our 'Booth No. - #428!' This final day proved to be as active as the previous day with dozens visiting and asking a host of 'SW Related Questions' which we were only too happy to answer. 'Great Food' was available all day either from the 'Concessions Truck' or from the 'Farmer's Market.' The event closed at about 3:00 P.M. with a 'DVHRC Auction.'

Four (4) New NASWA Members were directly recruited at the NASWA Booth and dozens went away with 'Applications for Membership' in the NASWA Journals, etc. (None were left over)! Also, the entire crate of the 'Sample September (2008) Copies of Popular Communication Magazines' were given away (Again, none were left over)! Many thanks are in order to Ms. Edith Lennon (Popular Communications Magazine Editor) for all of her kindness and sponsorship of this event.

All and all, NASWA was very warmly received. Many stated that they never knew we even existed! All were impressed by our Membership Size, March Spring Shortwave Festival Information, and Longevity. So many SW Radio Questions were asked that we rarely had a chance to sit down; someone constantly stopping by to visit our NASWA Booth! No 'Negative Comments' were received from anyone; only very 'Positive and Supportive Remarks' were heard! As stated above, none of our materials were left over; everything was taken! We could not have been more pleased!

Regarding 'Popular Communications Magazine,' all were very pleased to see it. Many stated that they used to buy it at the newsstand in years past, but they no longer

found it available. We assured them that the publication was still 'Alive and Well!' Many also stated how pleased they were with its 'New Appearance' as we attempted to show them the new layouts and various sections within the magazine, etc. A number of individuals were quite impressed with an article entitled: 'A Survival Guide For Shipping Old Radios,' by Peter J. Bertini (radioconnection@juno.com) which was right on target for those interesting in 'Antique Radio!' Although, no 'Popular Communications Magazine Subscriptions' were directly sold, a 'Subscription Form' was contained within every 'Sample Copy' of the magazine. I think many will fill it out and send it in!

Short Wave Listening and DXing is alive and well in PA! 73s!

BBC and DW Join Forces

Radio World Newsbytes October 10, 2008

Early 2009 is the target for a new joint radio service that will serve European audiences via DRM shortwave.

It was announced in September by the BBC World Service and Deutsche Welle; the English-language service will target Western and Central Europe, with content including global news and current affairs, analysis, documentaries and cultural programs.

In the announcement, Mike Cronk of the BBC World Service called this an important time for DRM and "a huge opportunity" for broadcasters in Europe to look at the potential for new services. "Two of the most important players in international broadcasting are reaffirming their faith in the DRM standard."

Digital Radio Mondiale is a digital broadcasting system for bands below 30 MHz (long-, medium- and shortwave). Ruxandra Obreja is chair of the DRM Consortium and the controller for business development at the BBC World Service; she stated in the announcement: "Deutsche Welle and the BBC see DRM

as the winning solution for the digitization of the AM bands on a global scale and they believe that this new stream for Europe will give a welcome boost to international digital radio."

She continued: "Listeners in Western and Central Europe can now buy one of the growing selection of DRM-capable receivers and hear in excellent quality top-class programs that in recent years they could only access online."

For recent reports on developments in DRM and in the leadership of the consortium, see "What's Happening With DRM in the U.S." <http://www.rwonline.com/pages/s.0049/t.14279.html> and "DRM: Behind Its Targets, But Catching Up?" <http://www.rwonline.com/pages/s.0049/t.14743.html>

BBC World Service is a U.K.-based international radio and online broadcaster; Deutsche Welle is Germany's international broadcaster.

<http://www.radioworld.com/pages/s.0100/t.15920.html>

Kim's Column

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<http://www.kimandrewelliott.com>

This column, with links, is available at this URL publicized only to NASWA members: <http://kimelli.nfshost.com/index.php?id=5092>

Shortwave with that laptop?

I missed the last Radio Netherlands English shortwave transmission to North America on UTC 26 October. I couldn't stay awake for the final final transmission at 0400 UTC. Shortwave is an old medium, and some of us shortwave radio listeners are getting old, and when it's time to sleep, it's time to sleep.

Reception would probably have been problematic, in any case, suffering from the digital-hashy noise that permeates the entire shortwave spectrum at my house. It's a wonder I can hear any shortwave stations at all.

And so I was surprised to read that shortwave still has appeal among at least some users of personal computers, given that PCs (and peripherals) are among the most notorious of noisemakers on HF. Writers at InfoWorld have been putting together what they think would be the ideal laptop computer, dubbed Worldbook. They asked readers for enhancements to their design: "Wish lists included TV, GPS, a music synthesizer, shortwave radio, a tablet form factor, a keyboard that doubles as a touchscreen, even a fold-out screen or add-on panels to extend the display."

How about that? Shortwave radio! Thinking about it a bit, it makes some sense. Imagine you and your Worldbook somewhere in the world where there is no local internet access: no broadband, no dial-up, no nothing. Shortwave capability would come in handy.

The ability to receive shortwave radio broadcasts would be nice, but let's face it, there are fewer and fewer shortwave radio broadcasts to be heard on the shortwave radio broadcast bands. Or at least fewer of

the types of broadcasts that most people would want to listen to.

Shortwave for news via text?

But shortwave is also a serviceable medium for the transmission of text, and data. As such, shortwave could be used to tap into the greater internet. Not for graphics-rich websites, or streamed video, but certainly for e-mail and maybe some text-only website material. There still is an HF e-mail industry, though it is a bit murky.

It might make more sense for a shortwave text and data transceiver or receiver to exist as a dongle rather than something built in to a laptop. This is because most laptop owners would have no use for the shortwave capability. And because the shortwave receive circuitry would be out in the less noisy open rather than inside the RF hell of a personal computer.

My design for such a dongle would include an antenna that you can adhere to the window of your hotel room. Typically, this would be a hotel room in a country that blocks the bejesus out the internet. In such a country, you may not be able to get the news from the BBC or New York Time websites.

The dongle would be a smart receiver, trying all the frequencies of your desired shortwave news source, then glomming on the one that provides satisfactory reception. The shortwave text source would send, in addition to news, continuous updates of its frequency schedule, which the dongle would automatically note and use in future searches.

The shortwave text receiver could be left unattended in your hotel room, receiving the news when it's transmitter and when it's receivable. Such news would be stored in memory. When you return to your hotel room after a day of business, you can read the news at your leisure.

A fly in the ointment of my dongle design is that you might need your laptop for your day of business. Thus, the dongle should be able to work standing alone. The laptop would come in handy later as a way to read, comfortably, the stored news, and as a device in whose memory that news text can be placed, if desired.

In this design, I am inspired by amateur radio's PSK-31 mode. In contrast to DRM shortwave digital audio, which requires a great huge swath of spectrum, and which drops out at the slightest provocation of interference or attenuation, PSK-31 is robust. Using a sliver of spectrum, a PSK-31 signal that is down in the soup and barely audible on a receiver often produces 100% copy on a computer screen.

A moderate number of disparate transmitter sites, using modest power output, should be able to produce signals that can be received by these devices anywhere in the world, any time of the day, except when solar conditions are really bad.

There are enough people in remote or denied areas of the world to justify this new technology. The only competing technology would be Iridium and Globalstar, the LEO satellite telephone services, probably more expensive, and more conspicuous when being brought into countries that do not welcome the free international flow of information.

Internet radios are a not-so-reliable alternative

The availability of radio via the internet is one of the reasons why Radio Netherlands and other stations are dropping shortwave to North America and other parts of the world. The new batch of internet radios allows internet radio to be heard on a device that looks, feels, and behaves much like a radio.

I'm in the habit of listening to my Tangent Quattro internet radio in the middle of the night, when I can't sleep. (For some of us aging shortwave listeners, when it's time

to sleep, it's time to sleep, and when it's time to wake up, it's time to wake up.) I'll be listening to something from, say, BBC Radio 4, and just as it is getting interesting, the signal drops out, and the infamous "buffering" takes up aggravating seconds, sometimes minutes, before the audio is restored. So internet radio is not necessarily more reliable than shortwave radio.

I can't figure out if the loss of signal is happening at the broadcaster's server, or somewhere in the Great Vast Internetwork, or in my home network. It could be that my wireless access point needs more power. Or that my WPA encryption, prone to disconnections, is disconnecting. I'd love to have one of the Sangean internet radios that would allow me to connect via the RJ-45 jack in my bedroom, so that I can determine if wirelessness is the culprit.

Speaking of internet standalone radios, Michael Horowitz in CNET recently wrote an overview of a class of laptop computers called "Netbooks." (Not sure why Netbook has to be capitalized.) "A Netbook is a new type of laptop computer, defined by size, price, horsepower, and operating system. They are small, cheap, under-powered, and run either an old or unfamiliar operating system."

He goes on to write: "Why carry a small box that does one thing, when you can carry a small box that does many things? Why buy a dedicated Internet radio, when a Netbook can do that? Why buy a small DVD player if you can get a movie on a flash memory card? Why buy a high-end smart phone, when a Netbook can do all that on a larger screen? It's an exciting future for Netbooks."

So maybe these little laptops will be the shortwave-like, radio-like audio receiving machines of the future. On the other hand, the Tangent, Sangean, and other internet radios have knobs. And there is much to be said for knobs.

Views expressed are my own. More at www.kimandrewelliott.com.



Listener's Notebook

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

AFGHANISTAN [non] *Radio Solh* B08:

0200-0300 5925 DHA
0300-1200 11675 DHA
1200-1500 13830 RMP
1500-1800 9875 RMP
(Dragan Lekic, Serbia, Oct 31/DX Listening Digest/Hauser-OK)

ALBANIA Last minutes changes of *Radio Tirana*:

0000-0130 Albanian NF 9345 SHI, x7485
0130-0145 English NF 9345 SHI, x7485
Tu-Su
2130-2300 Albanian NF 9345 SHI, x7510
(DX Mix-BULGARIA)

ALGERIA (non) Winter B-08 of *RT Algeria*, not the Holy Qur'an radio:

0400-0457 5865 ISS
0500-0557 5865 ISS
0600-0657 5865 ISS
1800-1857 9390 ISS
1900-1957 7455 ISS 9390 ISS
2000-2057 7455 ISS
2100-2157 5865 ISS 7455 ISS
2200-2257 5865 ISS
(DX Mix - Bulgaria)

AUSTRALIA Effective now through 9 March 2009, the following schedule will apply to *Radio Australia* broadcasts on shortwave from our off-shore partners at CVC (Cox Peninsular [sic]) and RTI (Taiwan):

0000-0030 Indonesian 15180 CVC 15335
RTI
0000-0130 English 17775 CVC
0400-0430 Indonesian 15180 CVC 11550
RTI
0500-0530 Indonesian 15180 CVC 11745
RTI
0600-0630 Indonesian 15180 CVC 15290
RTI (English on
Sat/Sun)
1300-1430 Chinese 11825 CVC 11760
RTI
2200-2330 English 12010 CVC 15240
RTI
2200-2330 Indonesian 9630 CVC 11550 RTI
2330-2400 English 12010 CVC

Changes are: Indonesian, 9630 replaces 9785 kHz. English, 12010 replaces 11840 kHz. (via Ian Johnson, Nov Australian DX News/DX Listening Digest/Hauser-OK)

AZERBAIJAN Authorities in Azerbaijan say they plan to halt local broadcasts by foreign stations by the end of the year. The

chairman of Azerbaijan's National Television and Radio Council, Nushiravan Maharramli, says his country is not interested in granting local frequencies to foreign broadcasters. He says the change will affect the BBC, the VOA and R Liberty. The official says his country has been gradually implementing changes, having previously eliminated broadcasts by Russian, French and Turkish stations.

The U.S. Broadcasting Board of Governors, the federal agency responsible for all U.S. government-supported, non-military international broadcasting, says it strongly objects to the proposal. A BBG Board Member, Steven J. Simmons, says the decision follows a "disturbing pattern" that began with harsh restrictions on private broadcasters within Azerbaijan two years ago and now directly impacts international media. A spokesman for the U.S. embassy in Baku, Terry Davidson, says it will be seeking clarification of the issue from the Azerbaijani government. He said in Azerbaijan, foreign broadcasters such as the VOA, the BBC and Radio Liberty have contributed greatly to enriching the space for public debate and understanding. (Some information for this report was provided by AFP). (VOA news website Oct 31 via Gupta-INDIA/DSWCI DX-Window/Petersen-DENMARK)

BELARUS Winter B-08 of *Radio Station Belarus*:

Radio Belarus Minsk:

1200-1700 Belarussian 7360 MNS 7390 MNS
1700-1900 Russian 7360 MNS 7390 MNS
1805-1900 Russian 7135 MNS
1900-2040 German 7135 MNS 7360 MNS
7390 MNS
2040-2100 Polish 7135 MNS 7360 MNS
7390 MNS
2100-2300 English 7135 MNS 7360 MNS
7390 MNS
2300-2400 Russian 7135 MNS 7360 MNS
7390 MNS

Belorussian Radio HS:

0500-0800 Belarussian 7170 MNS
1600-1800 Belarussian 7180 MNS

(DX Mix - Bulgaria)

BELGIUM (non) Winter B-08 of TDP stations:

Moj Them Radio:

0100-0130 Hmong 15260 TAI Mo/We/Fr

Haiv Hmoob Radio:

0100-0130 Hmong 15260 TAI Tu

Hmong Lao Radio:

0100-0200 Hmong 15260 TAI Th/Su

Hmong World Christian Radio:

0100-0200 Hmong 15260 TAI Sa

Denge Mezopotamya:

0500-1400 Kurdish 11530 SMF

1400-2100 Kurdish 7540 SMF

TDP Radio in DRM:

0800-0900 6015 ISS Mo

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

2300-2400 9790 SAC

Que Huong Radio:

1200-1300 Vietnamese 15680 DB We-Fr

Radio Xoriyo Ogadenia:

1400-1430 Somali 21585 SAM Tu/Sa

Aso Radio:1600-1645 Hausa 15180 RUS or CIS
transmitter Mo-Fr**Ethiopian Orthodox Tewahedo Church/Holy Synod Radio:**

1600-1700 Amharic 15195 SAM Mo

Addis Dimts Radio:

1600-1700 Amharic 15195 SAM Su

Ginbot 7 Radio:1700-1730 Amharic 12120 SAM 15350 SAM
Tu/Th/Su

(DX Mix - Bulgaria)

BRAZIL 9820 *Radio Nove de Julho*, Sao Paulo, SP, 0743-0808, Nov 08 and 10, Portuguese, back on the air!, reported with the program "Clube do Passarinho," religious talk: "O Amor ao Espirito Santo", many IDs: "...a Nove de Julho, a Radio Catolica," "Radio 9 de Julho AM 1600 kHz," hymns. (Mdez-SPAIN and Slaen-ARGENTINA/DSWCI DX-Window/Petersen-DENMARK)

BULGARIA DRM transmissions of *Bulgarian National Radio*, program

Horisont:

0700-1300 11900 SOF Fr-Su

1000-1300 11900 SOF Mo-Th

1400-1700 9400 SOF Mo-Th

(DX Mix - Bulgaria)

CHAD Radiodiffusion Nationale Tchadienne heard on 6165 kHz [ex-4905 -

ed.] from tune-in at 2158 UT on 28 October 2008 with African rhythms, news and reports in French at 2201, followed by further music and announcements through to sign-off at 2230 with National Anthem. Fair reception on a clear channel. (Tony Rogers, UK/BDXC-UK/DX Listening Digest/Hauser-OK)

CHILE B-08 for *Voz Christiana* via SGO=Santiago:

0000-0100 Spanish 6070 SGO 11805 SGO

0100-0400 Spanish 6070 SGO 11970 SGO

0500-0800 Spanish 6070 SGO 11805 SGO

0800-1200 Spanish 6070 SGO 9780 SGO

0900-1100 Portuguese 9655 SGO

1100-0100 Portuguese 15410 SGO

1200-2400 Spanish 9635 SGO 17680 SGO

1800-2000 Portuguese 17860 SGO DRM

(DX Mix - Bulgaria)

CHINA In July this year, the Chinese State Administration for Radio, Film and TV (SARFT) issued a call for tender for work on the power supply system at Transmitting Station "572" east of Beijing. The work was awarded on Aug 06 to two companies according to the Ministry of Finance website. Station 572 is the home of 12 Continental 418F 100 kW transmitters used for *CNR-1*. That could be why CNR-1's shortwave schedule is affected at the moment. Catch Sarawak on 5030 while you can, as Station 572 will doubtless be back on air some time soon. (Davies, in DXplorer, Nov 10).

Thus the Nov 05 schedule of CNR-1 at Nagoya DX-News (<http://www2.starcat.ne.jp/~ndxc/>) has been reduced to "only" 35 SW frequencies for CNR-1. On Oct 14 it was 53 frequencies for CNR-1, besides those used for jamming. (Petersen-DENMARK/DSWCI DX-Window)

CLANDESTINE 5910 *Shiokaze*, via Yamata, Japan, *1400-1430*, Oct 30 + many dates in early Nov, replacing 6020, noted in Korean We and Sa, Japanese Th and Su and English Fr. In English with "Today's News Flash," featuring items from the press dealing with the Koreans. 1420 ID in clear American accent as "This is Shiokaze, Sea Breeze, from Tokyo, Japan" and then "Today's Editorial". Not yet jammed. (Hauser, Wilkins in DXplorer). I inquired about a frequency change, as I could not immediately find them. Received this response: "Thank you very much for your information. We have changed the frequency Oct 26, because there was strong jamming from North Korea. Now we do not disclose the frequency number because of avoiding jamming from North Korea. So we would like ask you to search our frequency near 6020 khz. Maybe you can easily touch

with new frequency. Sincerely yours, Sadaki
M A N A B E (C O M J A N Vice
representative)." (Howard-CA/DSWCI DX-
Window/Petersen-DENMARK)

New schedule of *Radio Republica* in
Spanish:

0000-0200 9785 SAC
0500-0600 6010 RMP Su/Mo
1100-1200 6100 SAC Mo-Fr
2200-2300 11835 SAC Sa/Su
2300-2400 11835 SAC
(DX Mix - Bulgaria)

9785 *Radio Republica* heard *0000-0100, Nov
08 and 09, *Republica* program called "Por
Cuenta Propia," way over R. Ukraine
International 9785, but probably a
considerable collision where the beams cross
in South America, on the air until 0200.
0100 R *Republica* were starting "Los
Protagonistas de la Musica." (Hauser-OK/
DSWCI DX-Window/Petersen-DENMARK)

11835 *Radio Republica*, via Sackville,
Canada, heard Sa Nov 08 and Su Nov 09,
2159:30-2359, *Radio Republica* theme
music and sign-on with a false start, so
repeated, but no times or frequencies
mentioned; right into first program, "Pasos
a la Libertad". ..At 2300 a slight mistake at
Sackville as *Republica* was cut off for several
minutes while an RCI Spanish program ran
instead, and then back to *Radio Republica*.
It did not take long for the DetroCuban
Jamming Command to find this; at my next
check 2352 there was heavy jamming on
11835; at 2356 *Radio Republica* was talking
about boxing. This cut off abruptly at 2359
without any change-of-frequency ann. The
jamming continued, still at 0002 against
nothing. (Hauser-OK/DSWCI DX-Window/
Petersen-DENMARK)

B-08 for *Democratic Voice of Burma* in
Burmese:

1300-1400 11880 HBN via FCC/VTC
1430-1530 9415 ERV via TRW, // 17495
MDC via RNW
2330-0030 5955 WER via DTK-MB
(DX Mix - Bulgaria)

CZECH REPUBLIC Winter B-08 schedule of
Radio Prague:

0000-0027 Spanish 5930 7345 7420ASC
0030-0057 Czech 5930 7345
0030-0057 Spanish 9955 RMI
0100-0127 English 6200 7345
0100-0127 Spanish 11665 ASC
0130-0157 Spanish 6200 7345
0200-0227 English 6200 7345
0230-0257 Czech 6200 7345
0300-0327 Spanish 6200 7345
0330-0357 Czech 6200 7345
0400-0427 English 6080 SAC 6200 7345

0430-0457 English 9855
0500-0527 Russian 5980 9855
0530-0557 Spanish 9955 RMI
0700-0727 French 5930 7345
0730-0757 German 5930 7345
0800-0827 English 7345 9860
0830-0857 French 9860 11600
0900-0927 Spanish 11600 15255
0930-0957 Czech 11600 21745
1000-1027 English 9955 RMI 15700 21745
1030-1057 Czech 15700 21745
1030-1057 Spanish 9955 RMI
1100-1127 German 7345 9880
1130-1157 English 11640 17545
1200-1227 Czech 11640 17545
1230-1257 Russian 6055 17545
1300-1327 German 6055 7345
1300-1327 German 9850 WOF Fr/Sa DRM
1330-1357 Czech 6055 7345
1330-1357 English 9850 WOF Fr/Sa DRM
1400-1427 English 11600 13580
1430-1457 French 11600 13580
1500-1527 English 9955 RMI
1500-1527 Spanish 11600 13580
1530-1557 Russian 5930 9450
1600-1627 German 5930
1630-1657 Czech 5930 15710
1700-1727 English 5930 15710
1730-1757 French 5930 15710
1730-1757 German 5940 ARM
1800-1827 English 5930 9400
1830-1857 Czech 5930 9400
1900-1927 Russian 5830 DB
1900-1927 Spanish 6135 9430
1930-1957 French 6135 9430
2000-2027 Spanish 5930 9430
2030-2057 Czech 5930 9430
2100-2127 English 5930 9430
2130-2157 Spanish 5930 9435
2200-2227 Czech 5930 9435
2230-2257 English 5930 9435
2300-2327 French 5930 7345
2330-2357 English 5930 7345
2330-2357 Spanish 6000 SAC

ARM=Armavir
ASC=Ascension
DB=Dushanbe
RMI=WRMI
SAC=Sackville
WOF=Wooferton
(DX Mix - Bulgaria)

ECUADOR HCJB Global Voice B08 - major
languages (local languages ran last month):

0000-0200 Spanish 6050 11625
0200-0500 Spanish 6050 9745
0230-0300 German-H 9780
0300-0330 German-L 9780
0830-0900 Spanish 11625 DRM Sa/Su
0830-0930 Spanish 11625 DRM Mo-Fr
0900-0930 German-H 11625 DRM Sa/Su
0930-1030 German-H 11625 DRM
1100-1500 Spanish 6050 11690 11960
15280(DRM)
1500-1700 Portuguese 11705 DRM

1730-2000 Portuguese 15295
 1900-2100 Spanish 6050
 2100-2230 Spanish 6050 12000
 2230-2300 German-L 12040
 2230-2400 Spanish 6050
 2300-0230 Portuguese 11920
 2300-2400 German-H 12040

(Gupta-INDIA/Cumbre DX)

EGYPT Winter B-08 of **Radio Cairo:**

0000-0700 Arabic^ 6290 ABS
 0030-0430 Arabic 6850 ABZ
 0045-0200 Spanish 7535 ABZ 9360 ABZ
 9915 ABS
 0200-0330 English 7535 ABZ
 0700-1100 Arabic^ 15710 ABZ
 1015-1215 Arabic 15170 ABZ
 1215-1330 English 17835 ABZ
 1230-1400 Indonesian 15710 ABS
 1300-1600 Arabic 15080 ABS
 1330-1530 Farsi 11510 ABZ
 1430-1600 Pashto 12170 ABZ
 1500-1600 Albanian 6255 ABZ
 1500-1600 Uzbek 9250 ABZ
 1530-1730 Swahili 17810 ABZ
 1600-1700 Afar 15285 ABZ
 1600-1800 English 12170 ABZ
 1600-1800 Urdu 6270 ABZ
 1700-1730 Somali 15285 ABZ
 1700-1900 Turkish 6860 ABS
 1700-2300 Arabic# 9250 ABZ
 1730-1900 Amharic 15285 ABZ
 1800-1900 Italian 6255 ABZ
 1800-2100 Hausa 9990 ABS
 1900-0030 Arabic* 11540 ABZ
 1900-2000 German 6255 ABZ
 1900-2000 Russian 6860 ABS
 1900-2030 English 9310 ABZ
 1900-2400 Arabic^ 6290 ABZ
 2000-2115 French 6255 ABZ
 2000-2200 Arabic 6860 ABZ
 2030-2230 French 9280 ABS
 2115-2245 English 6255 ABZ
 2215-2330 Portuguese 9360 ABZ
 2300-0030 English 6850 ABZ
 2330-0045 Arabic 9250 ABS 9360 ABZ

^ General Service
 # Waadi e Nile Radio
 * Voice of Arabs
 (DX Mix - Bulgaria)

ETHIOPIA 23 Nov at 1810 noted an unid Horn Of Africa sounding station on 6889.3 kHz. Radioplay, phone-ins and music. Not sure about the language. I had to leave the radio after 1930, but Mauno Ritola had monitored their sign-off being at 2056. Not very strong signal. 24 Oct I monitored the frequency and the station was audible already around 1500 with much stronger signal. They had sports news, talks and phone-ins again. Heard mentions of Somalia and Oromiya, but I heard no id. Heard one slogan which seemed to start with word "Halkani..." but that could have been some

other similar sounding word. I didn't check the sign-off time today, but they were still audible around 2000. Any ideas? (Jari Savolainen-FINLAND/Cumbre DX)

25 Nov at 1500 they gave ID as **Radio Fana**. A weak parallel was noted on 6110 under Brother Scare. I wonder if Radio Fana has moved again to out-of-band frequency or is this ETH jammer against something and using Fana audio. ERI/ETH on 8000 has been off for some time. (Savolainen-FINLAND/Cumbre DX)

FRANCE RFI Paris B08 schedule in English via TDF Issoudun:

0400-0430 7315 9805
 0500-0530 9805 11995
 0600-0630 7315 11915 13680
 0700-0730 11725
 1200-1230 21620
 1600-1700 11615 15605
 (BC-DX Nov 4/DX Listening Digest/Hauser-OK)

GERMANY B-08 for **CVC International** via JUL-Juelich:

1400-1800 English 15745 JUL
 1800-2100 English 11775 JUL
 1400-1700 Ukrainian 13670 JUL
 (DX Mix - Bulgaria)

Some changes of Media Broadcast:

Radio Ethiopians For Democracy:

1700-1800 Amharic NF 6145 NAU Su/We/Fr, ex 11835

(DX Mix - Bulgaria)

New updated schedule of **Brother Stair/TOM:**

1400-1500 6110 JUL 13810 NAU
 1500-1600 6110 JUL 13810 NAU 17485 JUL
 1900-2000 3975 WER
 2100-2200 6175 WER

WYFR Family Radio:

1500-1600 Tamil 9585 NAU

New station **Radio Dabanga** in Arabic:

0430-0525 7315 WER 13800 MDC
 (DX Mix - Bulgaria)

Frequency change for **Gospel for Asia** via Media Broadcast:

1330-1500 NF 15185 WER SEAs langs., ex 13830

New transmission of **WYFR Family Radio** via Media Broadcast:

1400-1500 Uzbek 13600 WER
 (DX Mix - Bulgaria)

GREECE Voice of Greece, B-08:

0000-0300	Greek	*7475 9420 *12105
0300-0600	Greek	*7450 7475 9420
0600-0700	Albanian	12105
0600-0700	Greek	*7475 9420
0700-0800	English	12105
0700-1000	Greek	9420 15630
0800-0900	French	12105
0900-1000	Spanish	12105
1100-1300	Greek	9420 15650
1300-1600	Greek	9420 *15650
1600-2000	Greek	9420 *15630
2000-2400	Greek	9420 7475
2300-2400	Greek	9420 *12105

* frequency closes ten minutes before the hour.

Also, English Sunday 1105-1200 and Monday 0005-0100.

(ERA via John Babbis, Nov 5/DX Listening Digest/Hauser-OK)

GREENLAND 3815 USB, **KNR**, Tasiilaq, 2035-2113*, Nov 21 and 22, Greenlandic ann, local pop songs, 2100 talk with poor audio (in Greenlandic, not Danish), one jingle heard on Nov 21 at 2106, abrupt s/off 2113* both days. QRM weak utility or HAM conversation. Inaudible some nights. It seems to be a new schedule -one hour earlier than last winter! (Petersen-DENMARK/DSWCI DX-Window)

GUAM KTWB B08:

0800-0815	English	11840 Sa
0800-0835	English	11840 Mo-Fr
0805-0900	English	15170 Tu/Th/Fr
0820-0900	English	15170 We
0835-0900	English	15170 Mo
0900-0915	Balinese	15200 Fr-Tu
0900-0915	Torajanese	15200 We-Th
0915-0945	Madurese	15200
0930-1100	Mandarin	12105
0945-1045	Indonesian	15200
1000-1030	Hui	11935 Sa
1000-1030	Uyghur	11935 Mo-Fr
1000-1100	Mandarin	11590
1045-1115	Javanese	15200
1100-1115	Cantonese	9975 Sa
1100-1115	Nosu Yi	11935 Sa-Su
1100-1130	Vietnamese	9635
1100-1145	Cantonese	9975 Mo-Fr
1100-1200	Cantonese	9975 Su
1100-1200	Mandarin	9910 11935
1115-1145	Sundanese	15200
1115-1200	Hakka	9975 Sa
1145-1200	Hakka	9975 Th-Fr
1145-1200	Swatow	9975 Mo-We
1200-1215	Mongolian	9910 Sa
1200-1215	Nosu Yi	9975
1200-1230	Mandarin	7485 9355 9910
1200-1235	Burmese	13765 Sa
1200-1245	Mandarin	9355 Su
1200-1300	Burmese	13765 Su-Fr
1200-1330	Mandarin	9355 Sa
1230-1300	Kokborok	11895 Mo-Fr

1230-1300	Mandarin	7485 9355
1245-1300	Kokborok	11895 Sa
1300-1315	Amdo-Tibet	9355 Mo-Th
1300-1315	Boro	11570 We-Su
1300-1315	Mus/Bengali	11570 Mo-Tu
1300-1330	Hui	9355 Sa
1300-1330	Khmer	9975
1300-1330	Sgaw Karen	9585
1300-1400	Mandarin	7485
1315-1330	Manipuri	11570 Mo-We
1315-1400	Mandarin	9355 Mo-Fr
1330-1345	Assamese	12075 Su
1330-1400	Assamese	12075 Mo-Fr
1345-1400	Santhali	11570
1355-1400	English	9975
1400-1430	English	9975 Mo/Th/Fr
1400-1430	Vietnamese	9920 Mo-Fr
1400-1500	English	9975 Tu-We
1400-1500	Vietnamese	9920 Sa-Su
1400-1515	Korean	11570
2245-2300	Cantonese	12130 Sa
2245-2330	Cantonese	12130 Mo-Fr
2245-2345	Cantonese	12130 Su
2300-2315	Mandarin	11765 13720
2315-2345	Mandarin	13720

(Gupta-INDIA/Cumbre DX)

INDIA Today 16th Nov at 1130 UTC **AIR Port Blair** was noted off frequency on 4765 kHz instead of 4760. AIR Leh was noted on 4760, usually not heard at my location due to co-ch with Port Blair. (Gupta-INDIA/Cumbre DX)

4835 **AIR Gangtok**, 0125-0140, Nov 14, Nepali (p) talk, Indian songs, not reported since May 2008. Also heard 1545-1600*, Nov 15, Nepali conversation, Indian music and song, closing ann. (Language was not Hindi, Urdu or Dari). (Petersen-DENMARK/DSWCI DX-Window)

All India Radio revised schedule of External Services:

Aligarh:

7255	1315-1415 Dari, 1415-1530 Pushtu, 1530-1545 English
9620	1230-1500 Sindhi, 1500-1600 Baluchi
11620	0100-0430 Urdu
15770	0400-0430 Persian, 0430-0530 Arabic, 0845-0945 Indonesian, 1115-1215 Tamil, 1215-1245 Telugu

Bangalore

5990	0100-0200 Sindhi
17875	0845-0945 Indonesian (ex 15770)
17895	1000-1100 English

(Jose Jacob-INDIA/Cumbre DX)

LIBYA Winter B-08 of **LJBC Voice of Africa**:

1200-1357	Swahili	17725 SAB 21695 SAB
1400-1557	English	17725 SAB 21695 SAB
1600-1657	French	15215 SAB 17725 SAB

1700-1757 French 11965 SAB 15215 SAB
 1800-1857 Hausa 11965 SAB 15215 SAB
 1900-1957 Hausa 11860 SAB 11965 SAB
 2000-2057 Arabic 7470 SAB

(DX Mix-BULGARIA)

LITHUANIA (non) Winter B-08 of Sitkunai Relays:

0000-0058 Lith/En 9875 *Radio Vilnius*
 0100-0158 Uyghur 9480 *Radio Free Asia*
 0200-0258 English 6110 *SIT KBC Radio Mx Su*
 0630-0728 Italian 9770 *VOIROI/IRIB*
 0900-0958 Lith/En 9710 *Radio Vilnius*
 1430-1528 Russian 3960 *VOIROI/IRIB*
 1530-1728 Belarussian 3960 *Radio Racja*
 1730-1828 German 6180 *VOIROI/IRIB*
 1830-1928 French 6115 *VOIROI/IRIB*
 1930-2028 English 6115 *VOIROI/IRIB*
 2030-2128 Spanish 6055 *VOIROI/IRIB*
 2130-2228 English 6055 *KBC Radio Mx*
 2300-2358 Lith/En 7325 *Radio Vilnius*

(DX Mix - Bulgaria)

MOLDOVA Winter B-08 schedule of PMR Radio Pridnestrovye Mo-Fr:

1430-1600 7370 KCH En/Fr/Ge/En/Fr/Ge
 1600-1730 7370 KCH En/Fr/Ge/En/Fr/Ge
 2230-2400 6240 KCH En/Fr/Ge/En/Fr/Ge
 (DX Mix - Bulgaria)

NETHERLANDS (non) Radio Netherlands Worldwide launches Arabic program:

1900-1957 11830 MEY Mo-Fr
 2000-2057 7385 SMG
 2200-2257 5970 ISS Mo-Fr
 (DX Mix-BULGARIA)

NEW ZEALAND New B-08 of Radio New Zealand International:

0459-0658 11675 RAN* 11725 RAN
 0659-1058 9765 RAN 9870 RAN*
 1059-1158 9870 RAN* 13660 RAN
 1259-1550 6170 RAN
 1400-1430 9750 WOF* Sa
 1551-1650 6170 RAN 7145 RAN*
 1651-1750 9765 RAN 9890 RAN*
 1751-1850 9765 RAN 9890 RAN*
 1851-1935 11725 RAN 9890 RAN*
 1936-1950 11675 RAN* 11725 RAN
 1951-2050 11725 RAN 13730 RAN*
 2051-2235 15720 RAN* 17675 RAN
 2236-0458 15720 RAN 17675 RAN*
 *DRM (DX Mix - Bulgaria)

PHILIPPINES Radio Veritas Asia:

0000-0027 Karen 11935
 0000-0027 Sinhala 9865 11730
 0030-0057 Bengali 11945
 0030-0057 Hindi 11710
 0030-0057 Tamil 11935
 0100-0127 Telugu 15530
 0100-0127 Urdu 15280 17860

0130-0200 Zomi-Chin 15520
 0130-0230 Russian 17830
 0130-0230 Vietnamese 15530
 1000-1157 Mandarin 9615
 1030-1127 Vietnamese 11850
 1130-1157 Burmese 15450
 1200-1227 Hmong 11935
 1200-1230 Karen 15225
 1230-1257 Kachin 15225
 1300-1327 Vietnamese 11850
 1330-1400 Hindi 11870
 1330-1400 Sinhala 9520
 1400-1430 Bengali 11870
 1400-1430 Tamil 9520
 1430-1457 Telugu 9520
 1430-1457 Urdu 11870
 1500-1530 Filipino 9615
 1500-1600 Russian 9570
 1530-1600 Filipino 9615 We/Fr/Su
 2100-2257 Mandarin 6115
 2300-2327 Filipino 9720
 2330-2357 Burmese 9720
 2330-2357 Kachin 9645
 2330-2357 Vietnamese 9670

(Victor Goonetilleke, Sri Lanka, Oct 22/
 WWDXC BC-DX TopNews/DX Listening
 Digest/Hauser-OK)

RUSSIA Radio Moscow B-08 all services:

0000-0100 Portuguese 5900M 6135D
 7170M 7330S
 11605F
 0000-0100 Russian-IRR 6240G 7125G
 0100-0200 Spanish 5900M 5945*K
 6135D 6195SP
 6240*G 7170M
 7330S 13630F
 0100-0300 Russian-IRR 7125G
 0200-0300 English 6240G 7250GV
 7335F 12040V
 13735V
 0200-0300 Russian-WS 6155W 6195SP
 7150K 7260M
 7335F 7350VS
 12030P 13665P
 15735KO(DRM)
 0200-0300 Spanish 5900M 5945*K
 6135D 7170M
 7330S 9475D
 13630F
 0300-0400 English 6155W 6240G
 7335F 7350VS
 12040V 13735V
 0300-0400 Russian-IRR 7125G 7250GV
 0300-0400 Russian-WS 7150K 7170M
 7260M 7335F
 9475D 12030P
 13665P
 15735KO(DRM)
 0400-0500 English 6155W 6240G
 7150K 7335F
 7350VS 9840P
 9855V 12030P
 13665P
 15735KO(DRM)
 0400-0600 Russian-IRR 7125G

0500-0600	English	7150K 7335F 7350VS 9840P 9855V 12030P 15735KO(DRM)	1500-1530 1500-1530	Albanian Hindi	7105M 7340SP 5900S 7280N 7305N 9885D 12055M
0600-0700	English	17665KO 17805I	1500-1600	English	5905M(DRM)
0700-0800	English	11635M(DRM) 17665KO 17805I			7260U 7350C 9660X 9675M(DRM)
0700-0800	Russian-IRR	9435B			5925K 5935SP
0800-0900	English	15195C 17665KO 17805I	1500-1600	Persian	6020S 6125SP 7345D
0800-0900	Russian-IRR	9435B 11635M(DRM)	1500-1600	Russian-CIS	5910SP 5940S 5995I 6185S 7135M
0900-1000	English	13760M(DRM) 15195C 17665KO			5945N 9840M 12025M 13755W
0900-1000	Russian-CIS	9435B	1500-1600	Russian-IRR	5985SP 6005K 7270M 9470M
1000-1100	German	9720B(DRM)	1500-1600	Turkish	5900S 7280N 7305N
1000-1100	Russian-IRR	9435B			5910SP 5920SP
1000-1100	Korean	7265I 9495I	1530-1600	Bengali	6105N 7230M 9820D
1000-1100	Russian-CIS	9435B			4965D 4975D 6130M 7260U 7305N 7320M 9470M
1100-1200	Chinese	5930V 6115KH 7320N 7330U 9495I	1600-1700	Arabic	6145M 7290S 9675M(DRM) 5925K 5935SP 6020S 6125SP 7345D
1100-1200	German	13760M(DRM)	1600-1700	English	5940S 5995I 6185S 7285B
1100-1200	Russian-IRR	9435B			5945N 9840M 5900S 7125PK? 9885D
1200-1300	Chinese	5930V 6115KH 7155KH 7305N	1600-1700	German	5985SP 6005K 7270M
1200-1300	German	13760M(DRM)	1600-1700	Persian	5975B 6000M 7340SP
1200-1300	Japanese	5920I 6170N 6180P	1600-1700	Russian-CIS	5920SP 5935SP 7155M 7195M 7345D 9820D
1200-1300	Korean	5940N 7330U	1600-1700	Russian-IRR	4975D 6125I 7125P 7320M 9470M
1200-1300	Russian-IRR	9435B			6035K 6130M 7230M 7295C 7330M 9675M(DRM) 11510GV
1200-1300	Urdu	7350C 11660D 12025M 13810S	1600-1700	Russian-WS	6145M 7300S 5945N 6005K 7270M
1200-1300	Vietnamese	6140C 7265V	1600-1700	Russian-IRR	5925K 6020S 7130SP
1300-1400	Chinese	5940N(Su only) 6115KH 7305N 7330U	1600-1700	Russian-WS	6035S 6045SP 5910SP 5995I 7285B 7290S
1300-1400	Hindi	7350C 9885D 11660D 12055M	1630-1800	Serb-Croat	5985M 6055K 6175K 6245G Mo-Fr 6025S 6045SP
1300-1400	Japanese	5920I 6005KO 6170N 6180P	1700-1800	Arabic	
1300-1400	Mongolian	5930V 5940N Mo-Sa			
1300-1400	Russian-CIS	6185S 7135M 9435B	1700-1800	English	
1300-1400	Russian-WS	7155KH 7260U 9800I 11630M 12025M 13600M 13760M(DRM) 15150M	1700-1800	French	
1300-1500	Dari/Pashto	4965D 4975D 9900S 11975K	1700-1800	German	
1400-1500	Chinese	5930V 6115KH 7330U	1700-1800	Kurdish	
1400-1500	Russian-CIS	5945N 6185S 7135M 9435B	1700-1800	Persian	
1400-1500	Russian-WS	5900S 5905M(DRM) 6005KO 7155KH 7260U 9800I 9885D 11630M 12055M 13600M 15150M	1700-1800 1700-1800 1700-1800 1800-1830	Romanian Russian-CIS Russian-IRR Finnish	
1400-1500	Urdu	7305N 7350C 12025M	1800-1845	Hungarian	

1800-1900	Arabic	5920SP 6060SP 7155M 7195M 7305M 7345D 9820D	2100-2200	Russian-WS	7170M 7285B 7290M
1800-1900	Bulgarian	5975B 6170SP	2100-2200	Spanish	5920D 5940S 7340N
1800-1900	English	4975D 6055K(Sa/ Su) 6125I 6175K(Sa/Su) 7125P 7240M 7270M 7320M 7335C 11510GV	2100-2230	Serb-Croat	5920SP 6000S
1800-1900	French	5950B 6035K 6130M 7295C 7330M	2200-2300	Portuguese	5920D 5940S 7340N
1800-1900	German	6145M 7300S	2200-2300	Russian-CIS	7285B
1800-1900	Italian	6000SP 7230M 7310M	2300-2400	Arabic	6175W
1800-1900	Polish	5830D(to 31 Dec) 5940S 6235GV	2300-2400	Russian-IRR	7125G
1800-1900	Russian-CIS	5995I 7285B	B=Bolshakovo KLG C=Chita D=Dushanbe TJK F=French Guiana G=Grigoriopol MDA GV=Gavar ARM I=Irkutsk K=Krasnodar KA=Koms.nAmur KH=Khabarovsk M=Moscow N=Novosibirsk P=P.Kamchatk. S=Samara SP=Saint Petersburg U=Ussuriysk V=Vladivostok VS=Vatican State W=Wertachtal GER X=Xian CHN		
1800-1900	Russian-IRR	7105K	Last edited: 01.Nov.2008 (Vadim Alexeew, VoR/via Michael Bethge-D/ WWDXC BC-DX TopNews, with major reformatting be ye tired old ed.)		
1800-1900	Russian-WS	5985M 7290M	Winter B-08 of Radio Rossii in Russian: 0500-0800 9840 MSK 0820-1300 12075 MSK 1320-1600 7310 MSK 1620-2200 5905 MSK (DX Mix - Bulgaria)		
1830-1900	Norwegian	6055K 6175G 6245G Tu/Th	7320 GTRK Magadan , 0210-0235, Nov 25; local/regional programming; ID "Govorit Magadan" ("Magadan speaking"), mostly one man talking in Russian, BoH same jingle and ID as heard yesterday, series of advertisements for Magadan. So I can now confirm their local/regional programming is on from 0210-0300. Thanks to the kind assistance of Bernd Trutenau, who listened to the audio clip and provided information for ID and ads. (Ron Howard-CA/Cumbre DX)		
1830-1900	Swedish	6055K 6175K 6245G Mo/We/Fr	RUSSIA (non) Winter B-08 schedule of Tatarstan Wave in Tatar/Russian: 0510-0600 15105 SAM 0710-0800 9860 SAM 0910-1000 11915 SAM (DX Mix - Bulgaria)		
1845-1930	Czech	6045SP 6155S	SLOVAKIA Winter B-08 schedule of Radio Slovakia International : 0100-0127 English 7230 9440 0130-0157 Slovak 7200 9440		
1900-2000	Arabic	5975N 6060SP 6140K 7195M 7305M 7345D 7420G 9820D			
1900-2000	English	6175K 7240M 7290M 7335C 11510GV			
1900-2000	French	5920SP 5950B 6130M 7230M 7310M 7330M			
1900-2000	German	6145M 6235GV			
1900-2000	Greek	5985M 6170SP 7155S			
1900-2000	Russian-CIS	5925N 5940S 7285B			
1900-2000	Russian-IRR	4975D 7300S			
1930-2000	Slovak	5830D(to 31 Dec) 6045SP 6155S			
2000-2100	Arabic	5975N 6140K 7195M 7305M 7310M 7345D 7420G			
2000-2100	Bulgarian	6000S 6170SP			
2000-2100	English	6145M 7240M 7330M			
2000-2100	French	5920SP 5950B 6130M 7230M 7340N			
2000-2100	Russian-CIS	5925N 5965I 7170M			
2000-2100	Russian-IRR	7170M			
2000-2100	Russian-WS	5940S 7285B 7290M			
2100-2200	English	6145M 7330M			
2100-2200	French	5950B 6030S 6130M 7310M 12040M			
2100-2200	Russian-CIS	5925N 5965I			
2100-2200	Russian-IRR	7240M			

0200-0227	French	7200 9440	1630-1725	Pashto	7155
0230-0257	Spanish	7230 9440	1630-1955	Turkish	5980 6120 6165
0700-0727	English	13715 15460			7190
0730-0757	Slovak	13715 15460	1700-1725	Croatian	7180
0800-0827	German	5915 6055	1730-1755	Italian	6185
1400-1427	Russian	9540 13710	1730-1825	Spanish	7160
1430-1457	German	6055 7345	1800-1855	Russian	6135
1530-1557	Spanish	9445 11600	1830-1925	German	7205
1600-1627	Russian	5915 6055	1900-1925	Bosnian	6055
1630-1657	Slovak	5915 6055	1930-2025	English	6050
1700-1727	German	5915 6055	2000-2155	Turkish	5980 6120 6165
1730-1757	English	5915 6055	2030-2125	French	5990 6050
1800-1827	French	5915 6055	2130-2225	English	7180
1830-1857	Russian	5915 9485	2300-2355	English	5960
1900-1927	German	5915 7345			
1930-1957	English	5915 7345			
2000-2027	Slovak	5915 7345			
2030-2057	French	5915 7345			
2100-2127	Spanish	9460 11610			

(DX Mix - Bulgaria)

SWAZILAND Frequency change of *TWR Manzini*:

1440-1525 Malagasy NF 9635 MAN, ex 9585
(DX Mix - Bulgaria)

TURKEY Winter B-08 schedule for *Voice of Turkey*:

0100-0155	English	6165
0100-0155	Uyghur	6000
0200-0255	Spanish	9790
0200-0355	Turkish	7180
0400-0455	English	6020 7240 7325SAC
0500-0755	Turkish	9700 9820
0700-0725	Albanian	9665
0800-0855	Azeri	11835 15160
0800-0855	Georgian	9840
0800-0955	Turkish	11925 11955 15350
0900-0925	Macedonian	11895
0930-1055	Persian	11795 17690
1000-1025	Romanian	9560
1000-1155	Arabic	11910 13690
1000-1355	Turkish	11955 15350 15475
1100-1125	Hungarian	13770
1130-1155	Greek	7295 9840
1200-1225	Bulgarian	7105
1200-1255	Chinese	11750
1230-1255	Albanian	11910
1230-1325	German	17700
1300-1325	Uzbek	11865
1300-1355	Urdu	11985
1330-1425	English	11735 12035
1330-1425	Persian	9585
1400-1455	Russian	7215
1400-1625	Turkish	5980
1430-1455	Bosnian	9525
1430-1455	Kazakh	9785
1430-1455	Kyrgyz	9655
1500-1525	Turkmen	6065
1500-1555	Azeri	5965
1500-1655	Arabic	6175 11810
1530-1555	Greek	6185
1600-1625	Dari	7155
1600-1625	Tatar	6140
1630-1655	Serbian	7170

UGANDA 4750 *Radio Dunamis* back in operation after antenna repairs according to a recent e-mail from Marty McLaughlin at Bible Voice Broadcasting. Scheduled operations are 1500-1900. One of the announcers is named Cynthia, who apparently is developing quite the listening audience. The station is getting out better than before according to reports received from throughout Uganda. (Churchill-CANADA, Nov 12). Heard at 1745-1825, Oct 30, English program, not in Luganda as listed, listeners requests and mostly songs in English, some in Luganda though. ID: "Radio Dunamis." (Schliephacke-GERMANY/DSWCI DX-Window/Petersen-DENMARK)

UKRAINE *I'm sure somehow I've screwed this up, but here is last month's Radio Ukraine International schedule combined with additional frequencies this month. - ed.*

0000-0100	German	5830 7440 9785
0000-0200	Ukrainian	6020
0100-0200	English	5830 7440 9785
0200-0300	Ukrainian	9785
0300-0400	Ukrainian	5830 7285 7440
0400-0500	English	5830 7440
0400-0500	Ukrainian	7285
0500-0600	Ukrainian	5830 7285
0600-0700	English	7440 15635
0600-0700	Ukrainian	7285
0700-0900	Ukrainian	7285 7440 15635
0900-1000	Ukrainian	7285 9950 15635
1000-1100	English	9950 15635
1000-1100	Ukrainian	7285
1100-1200	English	15635
1100-1200	Ukrainian	7285 9950
1200-1300	English	9950
1200-1300	Ukrainian	7285 15635
1300-1400	Ukrainian	7285 9950 15635
1400-1500	Ukrainian	5830 7285
1500-1800	Ukrainian	5830 6020
1800-1900	German	7510
1800-1900	Ukrainian	6020
1900-2000	Ukrainian	6020 7510 9785
2000-2100	English	7510 9785
2000-2300	Ukrainian	6020
2100-2200	German	5830 9785

2200-2300 English 5830 9785
2300-2400 Ukrainian 5830 6020 9785
(DX Mix - Bulgaria)

UNITED KINGDOM Frequency changes of
VT Communications Relay:

North Korea Reform Radio:

1300-1330 Korea NF 9965 TAI, ex
9455

Nippon no Kaze:

1330-1400 Korean NF 9965 TAI, ex
9455 Tu/Th/Sa

Furusato no Kaze:

1330-1400 Japanese NF 9965 TAI, ex
9455 Su/Mo/We/Fr
(DX Mix - Bulgaria)

UNITED STATES Frequency changes for
Voice of America:

1530-1600 Georgian NF 9465 LAM
1600-1700 Bangla NF 7435 UDO
1830-1900 Azeri NF 9625 LAM
(DX Mix - Bulgaria)

Frequency changes of **Radio Liberty:**

0500-0530 Moldovian NF 5890 BIB, ex 5925
Mo-Fr
1130-1145 Georgian NF 17515 IRA Mo-Fr
1800-1900 Georgian NF 9525 LAM
2000-2045 Georgian NF 9565 LAM Mo-Fr
2000-2100 Georgian NF 9565 LAM Sa/Su
(DX Mix - Bulgaria)

Deleted transmissions of **AWR/KSDA:**

1700-1730 Cebuano 9980 SDA Fr/Sa
1700-1730 Hindi 11795 SDA 100 kW /
300 deg to ME in Hindi
9980 SDA Su
1700-1730 Ilocano 9980 SDA We/Th
1700-1730 Ilonggo 9980 SDA Mo/Tu
1700-1730 Tagalog 9980 SDA Mo/Tu
1730-1800 English 9980 SDA 100 kW / 300
deg to ME in English
1730-1800 Tamil 11695 SDA 100 kW /
300 deg to ME in Tamil
(DX Mix - Bulgaria)

Frequency changes for **Adventist World
Radio / AWR** via Austria:

0330-0400 Farsi NF 6090 MOS, ex 6095
1900-1930 Hausa NF 9620 MOS, ex 9535
1930-2000 French NF 9620 MOS, ex 9535
(DX Mix - Bulgaria)

Updated winter B-08 for IBB via Kuwait:

0030-0100 Spec. English 7405 **VOA**
0030-0230 Pashto/Dari 9335 **ASH**
0100-0300 Tibetan 7470 **RFA**
0230-0830 Pashto/Dari 12140 **AFG**

0430-0530 Pashto 15335 **AFG**
0430-1130 Pashto/Dari 19010 **AFG**
0530-0600 Dari 17530 **AFG**
0600-0700 Tibetan 17715 **RFA**
0700-0730 Pashto 17530 **AFG**
0730-0930 Dari/Pashto 17530 **AFG**
0830-1400 Persian 5860 **FAR**
0830-1430 Pashto/Dari 12140 **AFG**
1000-1100 Tibetan 17750 **RFA**
1100-1400 Tibetan 11590 **RFA**
1130-1430 Dari/Pashto 9335 **AFG**
1400-1500 Tibetan 7255 **VOA**
1430-1500 Burmese 12120 **VOA**
1430-1530 Pashto 12140 **ASH**
1430-1830 Pashto/Dari 9335 **ASH**
1500-1530 Uzbek 11550 **VOA**
1500-1600 Tibetan 11500 **RFA**
1530-1730 Dari/Pashto 11575 **ASH**
1600-1800 Turkmen 5820 **RFE**
1800-1830 Dari 7595 **ASH**
1830-2030 Pashto/Dari 5750 **ASH** 7595
ASH
2030-2130 English 7595 **VOA**
2100-2200 Russian 7425 **RFE**
2130-0030 English 7405 **VOA**
2300-2400 Tibetan 7550 **RFA**

AFG=Radio Free Afghanistan

ASH=Radio Ashna

FAR=Radio Farda

RFA=Radio Free Asia

RFE=Radio Liberty

VOA=Voice of America

B-08 for **Voice of America** in Arabic Radio
Sawa to Sudan-Darfur:

0300-0330 4960 SAO 9845 IRA 11855 UDO
1800-1830 4960 SAO 5880 IRA 9380 BOT
1900-1930 5880 BOT 9380 SAO 9815 WER
(DX Mix - Bulgaria)

Radio Free Asia B08:

0000-0100 Lao 11830IRA 15535TIN
13865IRA Vietnamese 15195TIN
0030-0130 Burmese 13710TIN 13815IRA
15700TIN
0100-0200 Uyghur 74809480LTU
9645UAE 9690UAE
13605TIN
0100-0300 Tibetan 7470KWT 9670WER
11695UAE 15220TIN
17730
0300-0400 Mandarin 11980IRK 13710TIN
15150TIN 15665TIN
17880SAI 21540TIN
0400-0600 Mandarin 11980IRK 13710TIN
15150TIN 15665TIN
17615TIN 17880SAI
21540TIN
0600-0700 Mandarin 11980IRK 13710TIN
15150TIN 15665TIN
17880SAI
0600-0700 Tibetan 1751517715KWT
21570TIN 21695UAE

1000-1100 Tibetan	11605LAM 15140LAM 17750KWT	2200-2300 Tibetan	5820TIN 7470TIN 9835LAM
1100-1130 Lao	9355IRA 15120IRA	2230-2330 Khmer	9355IRA 11850TIN
1100-1200 Tibetan	74701154011590KW T 15375UAE	2300-0000 Tibetan	6010UAE 74707550KWT 9875LAM
1130-1200 Lao	9355IRA 15120SAI	2300-2400 Mandarin	7540 11775TIN 11975TIN 15265SAI 15430TIN 15550TIN
1200-1400 Tibetan	74701154011590KW T 13625TIN 15375UAE	2330-0030 Vietnamese	5855IRA 1158011605TWN 11965TIN 15135TIN 15565VLD
1230-1330 Burmese	11795TIN 12105IRA 15700TIN		
1230-1330 Khmer	13725IRA 15160TIN		
1330-1400 Burmese	9670TIN 11795IRA 13855IRA		
1400-1430 Burmese	11795KWT 13855IRA		
1400-1500 Cantonese	5840TIN 7280TIN		
1400-1500 Vietnamese	5855TIN 7515TIN 9455SAI 11605TWN 12130IRA		
1500-1600 Mandarin	5810TIN 7445TIN 9440TIN 9905PAL 11945TIN 13670TIN		
1500-1600 Tibetan	7470BIB-1530 / KWT1530- 755011500KWT 15145UAE		
1500-1700 Korean	5860TIN 7210IRK 9385SAI		
1600-1700 Mandarin	5810TIN 7415TIN 7445TIN 9455SAI 9905PAL 11945TIN 13670TIN		
1600-1700 Uyghur	7470IRA 751011720SAI 11730UAE 7505TIN		
1630-1730 Burmese	5810TIN 7415TIN		
1700-1800 Mandarin	7445TIN 9355SAI 9455SAI 9905PAL 11945TIN 13670TIN		
1700-1900 Korean	5860TIN 9385IRA		
1800-1900 Mandarin	5810TIN 6095TIN 7385TWN 7415TIN 7445TIN 9355SAI 9455SAI 11790SAI 11945TIN 13670TIN		
1900-2000 Mandarin	5810TIN 5990TIN 6095TIN 7385TWN 7445TIN 9355SAI 9455SAI 9875PAL 11790SAI 11945TIN		
2000-2100 Mandarin	5810TIN 5990TIN 6095TIN 7190TIN 7355TWN 9355SAI 9455SAI 9875PAL 11900SAI 11945TIN		
2100-2200 Korean	7460 9385TIN 12075TIN		
2100-2200 Mandarin	5810TIN 6095TIN 7190TIN 7355TWN 9355SAI 9455SAI 9875PAL 11945TIN 13745TIN		
2200-2300 Cantonese	9570TIN 11775TIN		
		(RFA website via Gordon Brown-UK NWDXC Nov 3/BC-DX/DX Listening Digest/Hausser- OK)	
		WRNO Chief Engineer Larry Thom wrote me on Nov 04: "As it stands, we are still testing the transmitter. We are using automation right now, our programming is not live. We still have some minor bugs to work out and are waiting for a couple of parts. Most of these modifications/parts are used in the 15590 frequency and do not affect the 7505 frequency. Normally we would not be on the air 24 hours at this time, but are doing this to make sure the new oscillators we installed in the transmitter are stable, and frequency drift will stay at a minimum. However, WRNO is planning to increase air time to day and night hours, and at some point, 24 hours of broadcast. We will be utilizing two frequencies 15590 (day time) and 7505 (evening). If all goes well, we may complete most of the modifications today and I expect normal programming to resume very soon. Thanks, Larry" (Ron Howard-CA/ DSWCI DX-Window/Petersen-DENMARK)	
		UZBEKISTAN B-08 for <i>CVC International</i> via TAC=Tashkent:	
		0000-0400 Hindi 6260 TAC	
		0030-0230 English 7395 TAC	
		0100-0400 Hindi 9425 TAC	
		0230-0430 English 11650 TAC	
		0400-1100 Hindi 13630 TAC	
		0430-0930 English 15610 TAC	
		1100-1400 Hindi 9500 TAC	
		1400-2000 Hindi 6260 TAC	
		(DX Mix - Bulgaria)	
		ZAMBIA B-08 for <i>Christian Voice</i> via Lusaka, all English:	
		0400-0600 4965 7160	
		0600-1400 6065 13590	
		0600-1700 6065	
		1400-1700 6065 13650	
		1700-0600 4965	
		1700-2200 4965 9420	
		(DX Mix - Bulgaria)	

Pirate Radio Report

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

Hello and welcome to the December 2008 edition of the *Pirate Radio Report*. Conditions through much of November were not too great even though static levels were low. Before I forget, I'd like to wish all my readers and contributors a very **Merry Christmas and Happy New Year**. May you find the Eton E1 or Jerry Berg's books under the tree on Christmas morning.

Ann Hoffer Radio, 6925 AM was heard on October 31st at 2212 until 2226 sign off. Ann was treating us to live acoustic renditions of the Doors' "Werewolves In London". [Schiefelbein-MO]

Northwoods Radio 6925 USB, logged on November 26th at 2053 past 2132 with reggae and polka type music. Wolf howls and IDs "Northwoods Radio broadcasting freedom from "The Great Lakes". [Comeau-MA]

Old Vampire Radio, noted on 6925 USB from 2252-2318, on October 30th. SIO=232. Various Halloween contest including a segment on hillbillies in a haunted house. Sketch involving a Ouija board. Some howling noises. Various tales told. No address given. [Zeller-OH]

Outhouse Radio, heard on 6925 USB mode at 0048 sign on until 0111 sign off on November 2nd. SIO=131. Poor signal with a program of country tunes, including two renditions of the old "Convoy" CB song. One of the tunes was about Santa Claus going to Arizona. Fortunately two clear OM IDs at 0101 and 0102 during a peak. No address copied. [Zeller-OH]

Radio Azteca, the station that Bram Stoker built, was logged on November 16th at 1927 UTC on 6925 USB with theme music from the old Rocky & Bullwinkle cartoon show, ID by Bram, then into a comedy bit "you know you're a DXer if ..." [Wood-MA]

Radio Jamba International, 6955 USB was noted at 2330 UTC on October 31st. Dance music, number's parody over The Monster Mash. [Taylor-WI]

Undercover Radio, 6925 USB, was heard on November 1st at 0200 UTC. It was a repeat of Dr. Benway's 2005 Halloween show with experiences of life after death or was it just a dream? [Schiefelbein-MO]

WMR-We Monkey Radio, 6925 USB at 1904 sign on until sign off at 1911 on November 15th. SIO=343. The call letters stand for the slogan of "We Monkey Radio." Came on immediately after a WTPR transmission, apparently from the same transmitter. Various short segments of rock oldies music, played only briefly because the monkeys have short attention spans. No address noted. [Zeller-OH]

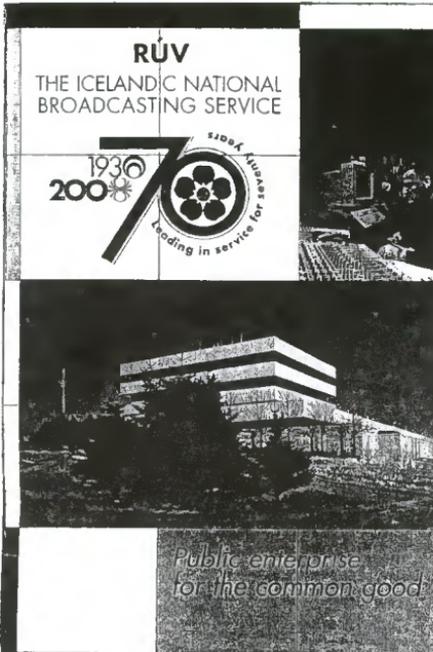
WTKY 6925 USB from 1809 till 1833 sign off on Nov. 22nd. Plenty of gobbling noises and Thanksgiving fare from a station announcing a slogan of *Turkey Radio*. Various Thanksgiving novelty tunes, including Wierd Al's parody version of "Eat It." Also used a slogan of "All Turkey, All the Time." Announcement that this was a production of the "Bunny News Network." Happy Thanksgiving to the Monkey Boys. No address given. Modest level, but fair on signal peaks. [Zeller-OH]

Zex Chettel Alien Broadcast, a new one, was logged on 6925U 0209-0212* 11/8/08 SIO=242. S/on With a "All Hail the Zex Chettel, message follows." The message was a communication to earthlings from the Zex Chettel aliens. They pointed out that Obama had beaten Clinton and McCain. But, the aliens will arrive at Obama's inauguration and they will take over the world. There were plenty of political references in the alien's announcement, which were critical of all the various candidates. The aliens have demands. They want Tina Fey and Sarah Palin in bikinis. They also want some saxophone reeds. No address announced. [Zeller-OH]

Many thanks to the following fine contributors: Ross Comeau-MA, Mark Schiefelbein-MO, Mark Taylor-WI, Steve Wood-MA, George Zeller-OH. Happy Pirate DX! 

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



Seasons Greetings to everyone. I sincerely hope that Santa fills your stockings with all the QSLs you want...Sam

AUSTRIA: Radio Austria International 13730 via Moosbrunn rcv'd. a f/d ltr. in 14 ds. for an EG rpt. The letter stated that EG transmissions would cease at the end of the year but German would continue in a shortened form. Addr: Listeners Services English Section, Radio Austria International, Argentinierstrasse 30A, A-1040 Vienna, Austria. (Wood-TN)

ASCENSION ISLAND: WYFR Family Radio 11875 f/d "1973 - Three Decades of Faithful Service - 2003" cd. in 235 ds. Transmitter site was not indicated. The usual assortment of goodies was included in the package including: several station stickers, religious pamphlets, a copy of Family Radio

STATION NOTES: Eternal Good News 12130 via KWHR v/s George Bryan. Email: eternalgoodnews@sbcglobal.net WEB: www.oldpaths.net/Works/

net WEB: www.oldpaths.net/Works/

Radio/Wilshire/index.html All India Radio 4810 via Bhopal v/s V.P. Singh, Director of Spectrum Management & Synergy Email: spectrum-manager@air.org WEB: www.allindiaradio.gov.in ADDR: Directorate General, All India Radio, Akashvani Bhawan, Sansad Marq, New Delhi 110001, India. All India Radio 7270 via Chennai Addr: N.C. Gnanaprakasam, Program Executive, Vanoli Ulagam, Thiraikadal Adaivaram Thamilzh Naatham, All India Radio, Kamarajar Salai, 600004 Chennai, Tamilnadu, India....via Play DX...Sam.

News and the latest Language and Frequency Schedule. (D'Angelo-PA)

ASIATIC RUSSIA: Voice of Russia 13635 via Petropavlovsk-Kamchatski p/d cd. in 59 ds. for an EG rpt. The cd. celebrates the 300th Anniversary of Saint Petersburg. Addr: Ms. Elena Osipova, Letters Depart-



Date: 14th November 1977

Dear Listener,

Thank you very much for your report of 2.24.77 at 23.00 hrs G.M.T. I am happy to confirm that transmission on 5276 kHz was from our Home Service transmitter stationed at Kaduna.....

We also welcome report on our External Service transmitters whose frequencies are 15120KHZ and 7275 KHZ for further information enclosed is a copy of our current programme schedule.

Thank you for the interest.

Yours faithfully,

[Signature]
for the Chief Engineer

ment World Service English, Voice of Russia, FGU GRKR Golos Rossii, ul. Pyatnitaskaya 25, 115326 Moscow, Russia. (Wood-TN).

CLANDESTINE: Open Radio for North Korea 9930 via KWHR
The station verified in 475 ds. w/ a short ltr. noting that they are now issuing QSL ltrs. instead of cds. as a result of a printing difficulty. Also rcvd. a copy of the stations current program schedule. (D'Angelo-PA).

CELEBRATING 50 YEARS: Last month I realized that I've been in the hobby for a little over 50 years. I

remember that my first QSL was in May of 1958. It was from Radio Denmark. They operated with the call sign of OZF5 on 9520 kilohertz. Their English Service came in quite strong. I keep a computer list of all stations heard and verified. I checked it out and I guess over the years I've QSLed a little more than 26,600 stations on all bands and modes of transmissions. Out of this total there are some 13,900 on the international shortwave bands or 3,735 different stations. I guess that one eyed



STATION NOTES: Radio Flux AM 6282 Email: info@fluxfm.nl Radio Fox 48 6298 Addr: SRS Deutschland, Postfach 101145, DE-99801 Eisenach, Germany. Radio Galaxy International 3925 v/s Paul Stewart and the Galaxy Team. Email: galaxystation@hotmail.com. Radio Geronimo 6285 v/s Chris Watson. Email: geronimoshortwave@hotmail.com. Radio Jingle Bells 6281 Addr: same as Fox 48. Radio Lowland 6276 v/s Jos Tabak Email: radiolowland@hotmail.com. Radio Mazda 6290 Email: radiomazda@hotmail.com. Radio Merlin International 6300 Email: radiomerlin@blueyonder.co.uk Radio Mistletoe 6260 v/s

Kris Kringle.
Email: radiomistletoe@live.com. or at hotmail.com. via PLAY DX...Sam.

DX Bug took a big chunk out of my butt...Sam.



FEDERAL RADIO CORPORATION OF NIGERIA - EXTERNAL SERVICE

VOICE OF NIGERIA, Broadcasting House PMB 12594, IKOVI, LAGOS

Receiving & Measuring Station,
Voice of Nigeria,
Broadcasting House,
Ikoyi - Lagos.

Dear Listener,

Thank you very much for your report of 6/10/78 at 23.00 hours G. M. T. We are happy to confirm that transmission on 4299 KHZ was from our Home Service transmitter stationed at Kaduna.....

It will be more appreciated if you would please send us reports on our External Service transmitters whose frequencies are 7255KHZ, 11770KHZ, 15120KHZ, and 15135KHZ, in the 41, 25 and 19 metres respectively. For further information enclosed is a copy of our current programme/frequency schedule.

Thank you for the interest.

Yours faithfully,

[Signature]
For Chief Engineer.

EQUATORIAL GUINEA (Bata): Radio Africa

15190 f/d cd. of the Station Engineer standing in front of the transmitter in 16 ds. for an email rpt. to Pan American Broadcasting. v/s Robin Boggs. (D'Angelo-PA).

GERMANY (West): Adventist World Radio
5915 via Wertachtal f/d "Voice of Hope" cd. in 93 ds. w/ a personal ltr. v/s Taylor Bajic, Listener Services in England. Also rcvd. 2008 & 2009 AWR pocket calendars. (D'Angelo-PA). 5915 QSL in 100 ds. w/ "Child Listening to the Radio" cd. v/s Adrian Peterson, DX Editor. (D'Angelo-PA). Gospel for Asia 15495 via Wertachtal f/d cd. in 11 ds. for ms. (Paszkwicz-WUI)

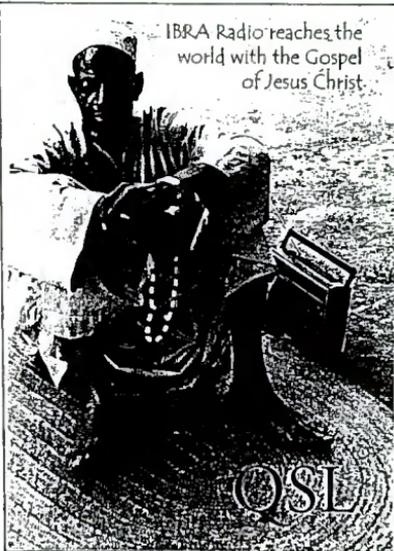
LITHUANIA: The Mighty KBC 6055 via Sitkunai email reply in 90 minutes for my email rpt. v/s Eric van Willegen, KBC Import / Export. The station promised to send a QSL soon. (D'Angelo-PA).

SEYCHELLES: BBC Indian Ocean Relay Station p/d ltr. from VT Communications for a rpt. sent directly to the site. The very friendly ltr. arrived in 27 ds. for \$1.00. The cd. confirmed the

STATION NOTES: Radio New Zealand International 9615 v/s DXer Adrian Sainsbury, QSL Manager. WEB: www.rnzi.com/pages/qsl_web.php

Federal Radio Corporation of Nigeria 4770 v/s Bala M. Madugu, P.T.O. Studios. Email: balamadugu@yahoo.com

Radio Pakistan 15100 and 17835 Email: cfmpbchq@isb.comsats.net.pk Addr: Frequency Management Cell, Headquarters, 303 Peshawar Road, Rawalpindi, Pakistan. v/s Engineer Manager Iftikhar Hussain Malik. **Radio Free Asia** 9905 via Palau WEB: [//techweb.rfa.org/form/dx.html](http://techweb.rfa.org/form/dx.html)...via PLAY DX...Sam.

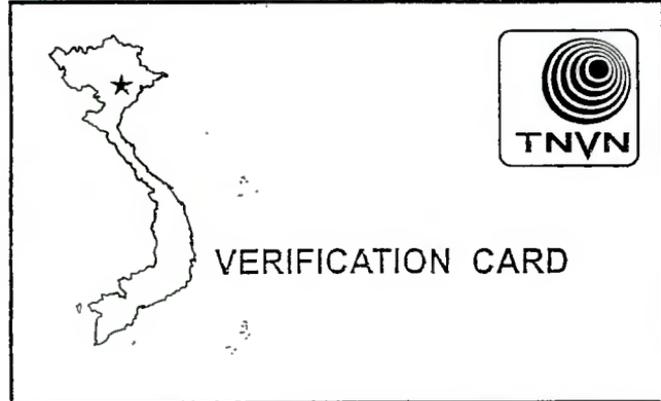


frequency and "timing". v/s Albert Quarte, Senior Engineer. I was inspired to try for this QSL after reading about Rich D'Angelo's success earlier this year. The station seemed very receptive to reports. (Wood-MA).

SYRIA: Syrian Arab Broadcasting Service 12085 f/d "Logo" cd. in 216 ds. Also

rcvd. station sticker, program schedule and a copy of the March 10 English Section of the Syrian Times. (D'Angelo-PA).

TURKEY: TRT Voice of Turkey 5975 f/d "Pelican" cd. in 33 ds. Also rcvd a tasseled bookmark, program schedule and a booklet entitled "Antalya and the Mediterranean Region". (D'Angelo-PA).



USA: Christian Media Network 7415 via WBCQ cd. in 2 mos. (Barto).

USA (Pirates): Radio Paisano 6925 Nice email QSL with illustrations of the Nina, Pinta and the Santa Maria w/ verie data. This was QSL # 14 for this one-a-year Columbus Day weekend pirate station. This was

STATE OF QATAR
 MINISTRY OF INFORMATION
 Qatar Broadcasting Department
 DOHA

دولة قطر
 وزارة الإعلام
 إدارة الإذاعة

Your reception report dated 8 11 2000

Frequency 11750 KHz

Date 18 1 1998 Time 16 26 - 17:04 GMT

Thank you for your reception report and we are glad to Conform it.

Hoping to hear from you in future.

With regards
 Head of Public Relations,
 Exchange and Research

for a 10/13 report in the flush of my initial assumption that it was a transatlantic pirate station. The QSLer "Luigi" was rather gentle in addressing my naive wishful thinking, saying he hoped I was not too disappointed that Radio Paisano wasn't really broad-

casting from Italy. However, it was a very attractive QSL and a lasting lesson on how easy it is to allow myself to hear what I want to hear. (Jensen-WI).

A rather short QSL Column this month. I went to the fourth page because I wanted to get in all of the comments from Don.



HRMI-Full Gospel Radio
 1480 Khz MW-5010 Khz SW-3340 Khz SW

Hope everyone has a great Holiday Season and New Year's Eve.

Sam

International Missions Fellowship

RECEPTION REPORT CONFIRMATION

P.O. Box 6321
 San Bernardino, CA 92412

This confirms your reception report of 9-11-03

Phone: 909-464-4793
 Fax: 909-370-4862
 Email: JKPMF@msn.com

20 03
 0342-0352 UTC 5340 KHz 1000 W

Time Frequency Output Power

Jeanette Ch...
 Reaching The Nations For Christ

La VOZ de
 Misiones Internacionales de
 Centro America
 TEGUCIGALPA
 HONDURAS

STATION NOTES: Radio Chechniya Svobodnaya 11635 via Saint Petersburg v/s DXer Mikhail Timofeyev, QSL Manager. Addr: SPb

RC Technical Department, Saint Petersburg Regional Center, ulitza Akademika Pavlova 3, Saint Petersburg, RU-197022, Russia. Radio Vlaanderen International 6205 via Saint Petersburg v/s Wim Jansen, Station Manager. WEB: www.rvi.be/ Addr: Auguste Reyerslaan 52, 1043 Brussels, Belgium. Vatican Radio 7300 via Novosibirsk v/s Sergio Salvatori, Frequency Management Vatican Radio...via PLAY DX...Sam.



-U.S.L.-
 Certificado de Sintonia



RADIO CULTURAL AMAUTA

PERU

Sr. Jerry Kinck, U.S.A.:

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 4,955 KHz; de fecha 26 Noviembre, 2003 a las 6:29 AM - 7:00 AM horas de Peruviano tiempo. Vatios de potencia: 3X

Afectuosamente,

firma



sello oficial

Tropical Band Loggings

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

- 2310 **AUSTRALIA VL8A** Alice Springs 1241 Aussie country mx; //2323-VL8T & 2485-VL8K; all rising to nice lvs w/ lcl sunrise at my QTH; 11/1. (Brown-MO)
- 2325 **AUSTRALIA VL8T** Tennant Creek 1305 Australian nx; fair; //2310 & 2485 much weaker; 10/28. (Strawman-IA) 1715-1724 M ancrs w/ EE talk; //2310 & 2485; best heard in LSB w/ rustle & some static; poor-almost fair w/ NIR12; 11/8. (Serra-Italy)
- 2379.85 **BRAZIL R. Educadora** Limeira 1010-1020 (T); v. weak; 11/19. (Wilkner-FL)
- 2485 **AUSTRALIA VL8K** Katherine 1210 W ancr spinning modern & vintage pop tunes w/ a few lcl ABC AM/FM IDs & promos for other shows b/w songs; closing chat at 1229 ment. a "15-minute outage" for FM freq; then a nice full ID & into ABC nx at 1230; S9+ sig though noisy; //2325-similar strength; //2310-weak; fair; 10/29. (Schieffelbein-MO)
- 2850 **NORTH KOREA KCBS** Pyongyang 1310 Apparent nx; sig too weak to be useful; 10/28. (Strawman-IA)
- 3173.80 **PERU R. Municipal** Panoa Seems silent last 24 hours; 10/20. (Wilkner-FL)
- 3185 **USA WWRB** McCaysville 0605 Noted in passing w/ Brother Stair in EE mentioning that a str admires his ministry more than others & cut his rate from \$1400 to \$600 & giving him 30 minutes for free; exc.; 10/8. (Mikell-IL) 0605 Brother Scare was saying in addition to 7185; Brother Dave at WWRB was going to put him on a lower freq which might give better coverage at night, 3270, maybe tonight; Well, nothing on 3270 at the moment; if not on WWRB yet, the money to burn was evident a few hours later, it being The Sabbath, when his live svc; where he gets even more worked up than usual; appeared not only on WWRB 9385 & WINB 9265; but also on WBCQ 15420 & 9330!; 10/18. (Hauser-OK)
- 3215 **USA WWCR** Nashville 0608 Host of a talk show ment. he was going to do the next 20 minutes of his prg using his "NPR Announcer Voice" for people who didn't like his Texas accent; exc; 10/8. (Mikell-IL) 0633 Country gospel mx was running; so I guess WOR had already been moved to 0730 even tho that is before the 2 am CDT/CST shift; 11/2. (Hauser-OK) 2315 WWRB on new 3215; sked 2200-0200 before WWCR uses it from 0200; 2315 check had Brother Scare; 11/13. (Hauser-OK)
- 3220 **ECUADOR HCJB** Pifo 1042 Locutor in SS w/ prg info; childrens chorus at 1045; f-g; 10/18. (Wilkner-FL) 0900 OA exotic vcls & instrumentals; M w/ ID in lang; near perfect sig; 10/31.
- 3230 **SOUTH AFRICA WYFR** Meyerton 0522-0525 (P); Hymn & M ancr in (P) EE; lists don't show them operating during this time; v. weak; 10/14. (Parker-PA) [Probably WWCR spur; see below-ed.]
- 3230.59s **USA WWCR** Nashville 0340-0350 Weak spur from 3214.99 w/ EE talk; another spur heard at threshold lvl on 3199.39; spurs are +/- 15.6 kHz away from 3214.99; 10/19. (Alexander-PA)
- 3235 **PNG R. West New Britain** Kimbe 1230 Pop mx prg; poor; 10/18. (Strawman-IA) 1246 M ancr intros mx selections; fair; 10/18. (Brown-MO)
- 3239.98 **UNIDENTIFIED** 1815-1824 Hindi sounding vcl chants alternating w/ M ancr; fading from 1821; best heard in USB w/ NIR12; QSB & QRN rustle; re-check around 2100+ w/ similar prgr format; p-v. poor; 11/1. (Serra-Italy)
- 3240 **SWAZILAND TWR** Manzini 0337-0341 M ancr in listed Ndau & mx; abruptly off at 0341; exc. 30dB sig in the clear; 10/7. (Parker-PA) 0336 M in extended talk; listed Ndau dialect; sked to 0345 but audio out by 0340; 20/S9 sig; 10/31. (Strawman-IA) 0334 (P); M in listed Ndau; speaking rather slowly & deliberately; fair; 11/16. (Taylor-WI)
- 3250 **HONDURAS Radio Luz y Vida** San Luis 0346-0350 M in SS; 40dB sig; exc.; 10/7. (Parker-PA) 2319 The one noted here; 10/19. (Wilkner-FL) *1100 Christian mx; 10/20. (Wilkner-FL)
- 3255 **SOUTH AFRICA BBC** Meyerton 0351-0355 Sports nx in EE; 45dB sig; exc; 10/7. (Parker-PA) 0340 M w/ accented EE nx; featured African nx; clean audio; sig 10/S9; 10/31. (Strawman-IA) 0336 "Newshour" in EE; fair; 11/16. (Taylor-WI)
- 3270rf **USA WWRB** McCaysville 0230 Brother Scare is now on a reactivated WWRB freq; 3270 in the evenings; presumably ex-unheard 5745; trx to a tip from S. Wood-NASWA; I had heard B.S. four nights earlier saying 3270 was about to activate; good thing Namibia is no longer on SW; other WWRB prgring continues on 3185 & I suppose B.S. still takes over there later in the night; 10/22. (Hauser-OK)
- 3279.6 **ECUADOR R. LV del Napo/R. Maria** Tena 1107 W w/ "La Companion Radio Maria" ID; good but fuzzy audio; 10/18. (Brown-MO)
- 3280 **CHINA V. of Fujiang** Shanghai 1249 Serious toned M & W in dialect; fair; 10/18. (Brown-MO)

- 3287.44 **MADAGASCAR RTV Malagasy** Antananarivo 0431-0445 (P); Two M w/ Malagasy talk; probably an intrvw; QRM from digital bursts on LSB; poor; 11/13. (Taylor-WI) 3287.5 (P); 0356-0401 Good carrier heard in SSB mode but no audio; bursts of RTTY QRM; 10/8. (Parker-PA) [I get the same here in NH-ed.]
- 3287.47 **UNIDENTIFIED** 1000 Strong mutant carrier still noted each morning; 11/19. (Wilkner-FL) [very interesting looking at the two logs above-ed.]
- 3310 **BOLIVIA R. Mosoj Chaski** Cochabamba 2332 W w/ Quecha talk & highland mx; best ever recep'n w/ perfect greyline & 210' 600 ohm terminated longwire; carrier only at 0020 re-check; 10/18. (Brown-MO) [nice catch-ed.]
- 3320 **NORTH KOREA PBS** Pyongyang 1315 M & W in KK w/ nx; poor as was //3250; 11/3. (Brown-MO)
- 3320 **SOUTH AFRICA R. Sondergrense** Meyerton 0401-0405 Talks in Afrikaans & mx bridges; huge 60dB sig & outstanding audio; 10/8. (Parker-PA) 0010 W in Afrikaans into EE pop mx; modest sig; 10/18. (Brown-MO) 0302 Barely making it in nasty QRM; 10/22. (Dexter-WI)
- 3325 **BRAZIL R. Mundial** São Paulo 0513-0520 M in PP; in the clear but v. weak; 10/14. (Parker-PA)
- 3329.53 **PERU Ondas del Huallaga** Huánuco 1050 M anc'r & mx; trx D. Valko tip; 10/23. (Wilkner-FL) 3329.65 1020-1050 ID as "Ondas del Huallaga 90 metros" by M; exotic OA mx; percussion; frequent interruptions of mx for cments; W vcl; best sig in a month; 11/3. (Wilkner-FL) 3329.60 1025-1030 F/in daily w/ good sig; IDs; traditional mx; high flutes & often hyper M en espanol; f/out by 1050; 11/12-14 & 16. (Wilkner-FL) 1025-1040 Rapid; intense SS talk by W; no mx; f/ in every morning; surprisingly good sig; 11/17-19. (Wilkner-FL) [I have log envy!-ed.]
- 3335 **PNG R. East Septik** Wewak 1215 Pop mx w/ occasional Pidgin ancments; fair; 10/18. (Strawman-IA) 1252 Aussie accented M & W w/ mx prg; strong w/ occasional ute bursts; 10/18. (Brown-MO) 1210-1250 Tuned off & on; peaking at f-g at 1240; no other PNGs noted due to lcl noise; the window for PNGs; typically; begins before the Indos on 60m & closes later; overall a rather poor morning for the PNG stns; 10/26. (Jensen-WI)
- 3340 **HONDURAS HRMI** Comayagua 0507-0511 M reading from New Testament in EE w/ W translating in SS; outstanding 60dB sig; 10/14. (Parker-PA) 0558 M w/ EE relg talk; W w/ SS translation while M interjects w/ conspiracy theories; f-g; 10/19. (Brown-MO) 0857 California ID & address in EE; often has EE/SS translated sermons; 10/21. (Wilkner-FL) 0520-0525 M & W in SS; sig peaking at 50dB but static crashes were also strong; f-g; 10/22. (Parker-PA) 0911-0917 M anc'r w/ EE relg talk; W w/ SS translation; p-f; 10/23. (Barbour-NH)
- 3345 **SOUTH AFRICA Channel Africa** Meyerton 0406-0410 M anc'r w/ EE nx; 30dB sig; good; 10/8. (Parker-PA) 0336 M anc'r in EE under very strong "motorboat" QRM; v. poor in what was otherwise a good opening to S. Africa; 11/16. (Taylor-WI)
- 3350 **COSTA RICA REE** Cariari de Pococi 0411-0414 SS talks; walloping 80dB sig; 10/8. (Parker-PA) 0559 Hum & whine w/ s/off ancment said would be back to CAM at 1100 on 15930 & 15170 in the 19m band; I think thats what he said in SS; but was not recording; should be 5930 & 15170; must recheck; 10/15. (Hauser-OK) 0611 M & W w/ SS talk re US election; fair; 10/27. (Oliva-NY)
- 3363.8 **BRAZIL R. Cultura** Araquara 0427-0505 (T); M in PP to ToH; jingle & (P) ID at ToH; condxns too poor to get definitive ID; continued talk by same M; v. poor; 11/12. (Taylor-WI)
- 3385 **PNG R. East New Britain** Rabaul 1257 Continuous lcl mx selections; p-f; 10/18. (Brown-MO) 1104-1116 Anc'r w/ continuous talk in Tok Pisin; weak but clear until big het at 1116; 10/26. (Barbour-NH)
- 3390.11 **BOLIVIA Emisoras Camargo** Camargo 2350-0000 Noted here w/ EE UTE on top; 10/21. (Wilkner-FL)
- 3396 **ZIMBABWE ZBC** Gweru 0342 Noticed mx & cment; too weak to be listenable; poor-best in USB; 10/31. (Strawman-IA)
- 3810 **ECUADOR HD2IOA** Guayaquil [UTC?-ed.] Second pips & M anc'r; f-g; 10/14. (Parker-PA) 0250 AM modulation w/ time pips & SS ancment at minute:55; p-f; surprisingly clear of HRO; 10/29. (Strawman-IA)
- 3925 **JAPAN R. Nikkei** Tokyo-Nagara 1245 Noted off the air at this time; 10/26. (Strawman-IA)
- 3925 **UNIDENTIFIED** 0812 M & sometimes W anc'r in JJ; poor; 10/18. (Rohde-OH) [Most likely R. Nikkei-ed.]
- 3955 **UNITED KINGDOM R. Nederlands** Skelton 0632 Tnx to hams relenting at the moment; stn in Dutch heard; think this is the first time I've heard them on 75m; It's via Skelton UK at 0600-0657, 250 kW at 121 degrees; seemed to be //5955-Sines Portugal; but too much from RTI/ WYFR 5950; 11/2. (Hauser-OK)
- 3975 **HUNGARY R. Budapest** Jaszbereny 0442-0446 HH talks & classical mx bridges; strapping 75dB sig; 10/14. (Parker-PA) 0510-0520 M & W w/ talk; good w/ heavy interference & fading; SINPO 32222; 11/6. (Evans-TN)
- 3976 **INDONESIA RRI Pontianak** 1311 Weak sig but could distinguish b/w speaking of M & W anc'r in ongoing discussion; nx; 10/28. (Strawman-IA)

- 3984.82 **CROATIA Hrvatski Radio** Deanovec 0200-0214 "Croatia Today" prg w/ nx; sports & wx in EE; poor-weak; much better on //9925-Germany; 10/18. (Alexander-PA) 3984.87 2215-2230 "Croatia Today" prg w/ nx; sports & wx in EE; lcl pop mx at 2229; SS at 2230; threshold-very weak; much better on //9925-Germany; 10/17. (Alexander-PA) 3984.93 2320-2331 W & M w/ world nx in EE; ID at 2323; wx rpt; talk re Croatian fashion design; ID ancments w/ SW & satellite sked; SS svc at 2230; best heard in LSB w/ S9+20 of peak; few slow QSB & slight static; good; 11/7. (Serra-Italy) 3985 0435-0440 Croatian pop mx; enormous 80dB sig; 10/14. (Parker-PA) 0525 M ancr w/ interview; Croation pops; fair; 10/27. (Oliva-NY)
- 3985 **CHINA CNR-2** Geermu 1113-1122 (P); Mx & Mandarin talk b/w selecxns; ancr at 1120; v. poor under ARO chatter; 11/10. (Barbour-NH)
- 3986.98 **INDONESIA RRI Manokwari** 1226 Pop mx prg; weak w/ heavy HRO QRM; recheck at 1245 yielded much stronger sig w/ low-pitched M ancr in extended comment; 10/26. (Strawman-IA) 3987 1300 Clear freq but sig weaker than Pontianak; also Kendari on 3995 at noise lvl; 10/28. (Strawman-IA) 1350 Pop ballads w/ HRO splatter & CW tones; poor; 11/9. (Strawman-IA)
- 3995 **INDONESIA RRI Kendari** 1247 M in extended tlk; weaker than Manokwari; poor; 10/26. (Strawman-IA)
- 4010 **KYRGYZSTAN Kyrgyz Radio 1** Bishkek 0004-0012 (P); M & W talk b/w brief mx breaks; other M ancr w/ talk; best heard in SSB w/ static & QRM het; poor w/ NIR12; 10/12. (Serra-Italy) [nice catch-ed.]
- 4051.74 **UNIDENTIFIED** 2300 Carrier noted; 10/31 & 11/1. (Wilkner-FL) 4051.87 2310 Strong carrier; GTM txmitter?? 10/21. (Wilkner-FL)
- 4409.74 **BOLIVIA R. Eco** Reyes 2300 Beautiful exotic mx; good; 10/21. (Wilkner-FL) 4409.75 2330 M ancr w/ quick ID; 10/27. (Wilkner-FL) 4409.8 0215-0220 (P); Faint carrier heard in SSB mode; traces of M ancr; v. weak; 10/23. (Parker-PA)
- 4412.55 **LAOS Lao Nat'l Radio** Sam Neua 1250 (P); Het stronger than Son La; wouldn't take much more sig to get audio on a good morning; CODAR QRM; 10/26. (Strawman-IA)
- 4440h **USA WSRC** Fair Bluff 2343-2347 Old time radio drama; 3rd harmonic of their 1480 sig; 20dB sig in the clear; good; 10/17. (Parker-PA)
- 4450 **NORTH KOREA KCBS** Pyongyang 1236 KK opera; rapid fading; //2850-poor; 10/19. (Brown-MO)
- 4451.17 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 2347-2352 Fairly strong carrier heard in SSB mode; but only traces of SS mx & M ancr; 10/17. (Parker-PA) 2300-2330 Confusing ment. of "Radio Fides"; then Radio Santa Ana ID; "...solamente den el departamento de ? ...y cinco minutos en Radio Santa Ana...Radio...en el oriente..."; 10/21. (Wilkner-FL) 4451.2v 2320-2330 Clear IDs; mx & M ancr; 11/1. (Wilkner-FL)
- 4460 **CHINA CNR-1** Beijing 1245 W in CC w/ ancments & mx; fair; 10/19. (Brown-MO)
- 4635 **TAJIKISTAN Tajik Radio 1** Yangiyul 0128-0138 (P); W ancr w/ mx & talk; brief M at t/out; v. weak-poor; 10/25. (Barbour-NH)
- 4699.42 **BOLIVIA R. San Miguel** Riberalta *1000 Into mx; "...seis y cuatro minutos..."; 10/20. (Wilkner-FL)
- 4716.19 **BOLIVIA R. Yura** Yura 0210 Choral similar to solos in Les Misérables; 10/27. (Wilkner-FL) 4716.62 1030-1045 Noted here w/ f/out; 10/20. (Wilkner-FL) 4716.7 2354-0009 (P); Discussion b/w M & W; M crooner; in the clear w/ fairly weak sig at first but rose to fairly good lvl around 0003; 10/18. (Parker-PA) 1220 (P); W w/ sing-song vcls; just above noise floor; 10/19. (Brown-MO) 0113-0118 M & W ancrs w/ SS mx & talk; poor-weak; 10/24. (Barbour-NH) 0135-0230 Bolivian mx & SS talk; weak; 11/14. (Alexander-PA)
- 4732 **BOLIVIA R. Universitaria** Cobija Pando Off w/ RTTY present most of the time; 10/20. (Wilkner-FL)
- 4739.54 **VIETNAM RTV** Son La 1250 Weak het from (P) regional stn was competing with CODAR; 10/26. (Strawman-IA)
- 4746.9 **PERU R. Huanta 2000** Huanta 0010-0019 M & W in SS; rooster crow in background; good despite CODAR; //4755-good; 10/18. (Parker-PA) 0052-0111 Ancrs w/ SS banter; sounds like a call-in prg; ancments at 0058 & bits of Quecha mx; back to ancr at 0103; still going at t/out; poor-weak; 10/24. (Barbour-NH) 1018-1033 W ancr w/ SS talk & Quecha mx; poor; 11/2. (Barbour-NH) 4746.92 1025-1040 SS talk; short breaks of Peruvian mx; weak; 11/14. (Alexander-PA)
- 4749.96 **INDONESIA RRI Makassar** 1228 Pop mx w/ seemingly ads & Indo cment' pop mx through 1300; best in LSB; 10/27. (Strawman-IA)
- 4750 **BANGLADESH Bangladesh Betar** Shavar 0058-0107 Chant in vern.; W ancment & Bangladesh Betar ID; lcl mx; pips; M ancment & ID into nx ment. Bangladesh; best heard in USB to avoid het; QRN rustle nulled w/ NIR12 & slight CODAR; fair; 10/17. (Serra-Italy) 1057-1116 Mx & talk in listed Bengali battling w/ CODAR for dominance; distinct flute IS at 1100; ancr w/ talk thru t/out; poor-weak until crushed by huge spike in CODAR lvl at 1116; 10/28. (Barbour-NH) 0030-0050 (P); String instrumental at t/in; Kor'an-like chanting into ancr at 0039; sig slipping away at 0045; poor-weak; 10/29. (Barbour-NH)

- 4750 **CHINA CNR-1** Beijing 1340-1402 Almost all the CNR-1 freqs were not heard today; heard under a fairly strong Bangladesh; RRI not heard at all; w/ CC prgrmg; clearly //4800 & 7275; tnx to Sei-ichi Hasegawa's tip that most of the CNR-1 freqs are off the air; 10/21. (Howard-CA) 2012-2021 CC song; slow EZL mx; M ancrnt w/ ID "Toong Quo."; bet heard in LSB w/ rustle & fast QSB; fair; 11/2. (Serra-Italy)
- 4750 **INDONESIA RRI Makassar** 1200 Of the 60m Indos; this one has proved to be the hardest this season; I don't know why since; traditionally it has been the best of the bunch; Sunday morn; however; it was the best; audible for the Jak warta berita at 1200; retuned various times until about 1245; v. quickly peaking f-g around 1225 here in Wisc.; but w/ a relatively short window of 10-12 mins; the season's usual best Indo bet; 4790-RRI Fak Fak was nearly as good as Makassar this am; others heardrd also, but at poor lvl; 4870-RRI Wamena & 4920-RRI Biak; lcl noise made 90m useless w/ the exception of Wewak this a.m.; overall though; only a mediocre morning for Indos; 10/26. (Jensen-WI) [UTC?-ed.] phone/studio conversation in Indo including "salaam aleikum"; QRming CODAR & another b/cer under; reading S9+15 but still hard to copy; 4790 Fak Fak also audible weaker w/ mx; hi-pitch, off-key singing; which no doubt in the Indo context is on-key; unless they have something like our TV "talent" shows; [date?-ed.] (Hauser-OK) 1408 Makassar interfering w/ CODAR by playing some slow instrumental mx; similar but not // mx on slightly weaker 4790 Fak Fak; but it went to an ancrnt at 1410 while 4750 did not; nothing audible on 4870 or 4605; at 1452 recheck; almost two hours after LSR; 4750 was still just barely audible; S9+13; 11/8. (Hauser-OK)
- 4754.8 **BRAZIL R. Imaculada** Conceição Campo Grande 0255 (P); W & M ancrs in PP w/ some kind of scripted message; would have been a fair sig except for very invasive CODAR pulses; 11/16. (Taylor-WI) 4754.9 0220-0230 Slow PP ballad; rockcrusher 80dB sig & room filing audio; 10/22. (Parker-PA) 0442-0452 M in PP w/ slow vcl mx; poor w/ heavy CODAR interference; SINPO 22222; 11/13. (Evans-TN) 4754.92v 0510-0532 (P); M w/ talk in typical Brazilian intonation; ancrs w/ mx & talk; best heard in USB w/ strong CODAR; fast QSB; static crashes; p-v. poor w/ NIR12; 11/9. (Serra-Italy)
- 4760 **SWAZILAND TWR** Manzini 1610 Via long path in lcl lang; TWR IS at 1645 into another lcl lang prg; N. Pimblett checked the Perseus RX & noted "crash start" s/on at 1600 w/ FF ID "Radio Trans Mundiale"; good; 11/8. (Delmage-AB) [I'm intrigued. TWR sked lists various langs at *1600, but no FF-ed.]
- 4765 **TAJIKISTAN Tajik Radio-1** Yangiyul 0247-0303 (P); M ancr w/ talk b/w Hindi-like chants & mx bits; into (P) nx at 0300; best heard in LSB w/ inter-audio filter to avoid strong het; not nulled by NIR12 !; strong static; poor; 10/29. (Serra-Italy) 2345-0006 Continuous lcl pop & disco songs; best heard in LSB w/ static & fast QSB; fair; 11/7. (Serra-Italy)
- 4769.96 **NIGERIA R. Nigeria** Kaduna 0534-0542 Continuous pop songs; better in USB w/ CODAR & static; almost fair w/ NIR12; 11/9. (Serra-Italy)
- 4774.8 **PERU R. Tarma** Tarma 0250-0305 LA mx prg; ad string 0252 & ID at 0300; "Transmite Radio Tarma"; freqs; "amplitud modulada" & I think; "frecuencia modulada"; after ToH more traditional huayno sound; weak to fair on peaks; 11/13. (Jensen-WI)
- 4775 **SWAZILAND TWR** Manzini 0349 (P); W speaking at length in listed Lomwe; would have been a fair but poor under a pounding digital stn on LSB which is usually there; 11/16. (Taylor-WI)
- 4779.96 **GUATEMALA R. Cultural** Coatan San Sebastian 0245 SS songs & ballads w/ an enthusiastic "Radio Coatan" ID given over mx; became apparent it was a little off freq when it was QRMed by Djibouti from 0300; which was as strong or stronger; mostly poor; 10/29. (Schiefelbein-MO) 1212 T/in w/ relg prg; this one back after some absence; first noted this morning; fair; 10/26. (Jensen-WI) 1255-1305 (P): Returned to freq after a month off; locutora w/ Christian message; Christian mx on hour; weak w/ one ment. de Cultural; f/out; 10/26. (Wilkner-FL)
- 4780 **DJIBOUTI RTD** Atta *0301-0325 S/on w/ short NA followed by opening AA ancrnts; Qur'an at 0303; AA talk; HoA mx at 0324; p-f; 10/17. (Alexander-PA) 0303-0333 (P); First time I have been able to hear this on the West coast! An amazing night for African rcption!; chanting (probably reciting from Qur'an); 0312-0331 long non-stop talking by M in what sounded like AA; mx fanfare & more talk; p-f; 10/18. (Howard-CA) [Very nice!-ed.] 0308-0321 M w/ recitations; fair; 10/18. (D'Angelo-PA) 0316 Long talk by M in FF; into lively songs; fair; 10/18. (Ronda-OK) 0300 S/on w/ (P) Kor'anic recitations or call to prayer; mostly atop co-ch. R Coatan; f-p; 10/29. (Schiefelbein-MO)
- 4781.4 **BOLIVIA R. Tacana** Tumupasa 1022 M in SS; some Latin rhythms; this was v. weak; 11/3. (Jensen-WI) 4781.47 1010-1030 Noted here w/ weak audio; 10/20. (Wilkner-FL)
- 4790 **PERU R. Vision** Chiclayo 0505-0515 M in SS w/ reverb & guitar mx bridges; then into usual fare of M addressing congregation via distorted loudspeaker; exc. 60dB sig & better than usual audio; 10/8. (Parker-PA) 0720 (P); Energetic preaching by usual speaker; fair; 11/1. (Taylor-WI) 0528-0605 Contemp. Andean mx w/ M ancr in SS; 0545 W intro; M w/ talk; ID at 0601; 11/10.

- (Taylor-WI) 0445-0455 Echoing relg talk by M followed by prayer; better than usual sig strength w/ fading; SINPO 33223; 11/13. (Evans-TN) 4790.05 0905-0915 Peruvian folk mx; SS ancments; ID at 0912; fair; 10/10. (Alexander-PA) 0401-0414 M w/ sermon; ment la palabra de Dios; prayer till 0407 w/ Glorias! ; mx pause & M; prayers enhanced w/ loudspeaker & relg talk best heard in USB; static; fast QSB & CODAR; almost fair w/ NIR12; 10/13. (Serra-Italy) 0517-0523 M & W w/ talk; relg mx; ancments & (P) ID; best heard in SSB w/ static & CODAR; p-f w/ NIR12; 10/27 & 28. (Serra-Italy) 0433-0447 M w/ prayer over loudspeaker; "Glorias & Hallelujahs"; ancment ment. Radio Vision twice; best in USB to avoid het; CODAR; static & QSB; from around 0445 sig almost disappeared under strong crashes; 11/8. (Serra-Italy) 4790.10 0100 Noted absent; again 0900-1200; 11/16. (Wilkner-FL)
- 4796.47 **BOLIVIA R. Mallku** Uyuni 1010-1030 Noted here w/ f/out; 10/20. (Wilkner-FL)
- 4799.84 **GUATEMALA R. Buenas Nuevas** Huancayo 1230-1240 Noted w/ ID by M giving "Radio Buenas Nuevas...kHz & 60m band"; best in LSB to avoid Mexico-4800; chance to use 746Pro IF notch filter to block Mexico; also Drake R7 w/ similar notch but lacking the depth of the 746 notch; Mexico was dominant earlier: 1000-1100; 11/5. (Wilkner-FL)
- 4800 **MEXICO XERTA** Mexico City 0517-0525 Live SS concert recording; bluesy ballad w/ M vcl; electric guitar; in the clear for a change w/ great audio & strapping 60dB sig; 10/8. (Parker-PA) 0748 (P); Interview in SS w/ M who had extended answers to the questions; fair; 10/18. (Taylor-WI) 1319 EZL SS ballads; W w/ EE "Xerta" ID; 10/18. (Brown-MO) 0305 LA vcls; fair; 10/22. (Dexter-WI) 0549-0603 Contemporary ballads & mellow mx w/ M anc in SS; 0600 "XERTA Radio Transcontinental de America"; f-p; 11/10. (Taylor-WI)
- 4805 **BRAZIL R. Difusora do Amazonas** Manaus 0025-0030 M anc w/ PP mx & talk; USB required to avoid RTTY QRM but still taking a beating from CODAR; poor; 10/18. (Parker-PA) 1000 Noted w/ weaker sig which has been valid for last week; 10/31. (Wilkner-FL)
- 4814.9 **ECUADOR R. El Buen Pastor** Saraguru 0031-0041 M in SS; nearly obliterated by CODAR; poor; 10/18. (Parker-PA)
- 4820 **TIBET Xijang PBS** Lhasa 0004 (P); EE/CC lang lesson; too much CODAR to ID; greyline graph indicates poss. China-Missouri path at this time; 10/19. (Brown-MO)
- 4820 **UNIDENTIFIED** 1233-1246 W anc in SS; S. American pop sounding mx; M anc; 0446 buried in digital pounding QRM; no ID or place names referenced; La Voz Evangelica, Tegucigalpa-GTM last rpted here in 11/06 ;according to Mosquito Coast list; poor; 11/16. (Taylor-WI)
- 4824.5 **PERU La Voz de la Selva** Iquitos 0102-0130 Chicha & other "sonido amazonico" mx w/ strong; galloping cumbia beat; some w/ distinct minor Andean sound but others sounding quite Colombian; M & W alternating briefly b/w mx; 0121 reference to "para La Voz del la Selva."; weak-ish w/ het; (P) from R. Sicuani which was not audible this evening; plus some CODAR; 10/29. (Jensen-WI) 0020-0038 Weak w/ het; but this time R. Sicuani had audible prgrming & was just slightly stronger; 11/1. (Jensen-WI) 4824.53 2300-2308 The one noted here; 10/27. (Wilkner-FL)
- 4826.45 **PERU R. Sicuani** Sicuani 1030-1040 The one here w/ weak sig; 11/19. (Wilkner-FL) 4826.5 0120-0135 (P); M in SS; 0126 bridge mx & W anc; 0129 more brief mx & M anc returns; fair; 10/25. (Serra-Italy) 1021 Tune-by but only at poor lvl; this is one of my favorite OA stns in a typical small Altiplano town; I vividly recall; though this was decades ago; Sicuani as a brief stop on the rail line from Cusco to Puno on Lake Titicaca; we stopped there just long enough for me to buy an alpaca scarf from an Quechua-speaking woman; one of many lined up along the tracks selling their wares; 10/26. (Jensen-WI) 4826.56 2300-2308 Noted here w/ het from 4828-Zimbabwe; 10/27. (Wilkner-FL)
- 4828 **ZIMBABWE ZBC** Gweru 0150-0204 Non-stop African hilife mx & songs; mostly fair; at times almost good; 10/15. (Howard-CA) 2245-2305 Lcl pop mx; only a brief ancment by shouting; happy DJ; too weak to tell lang. but didn't seem EE; 10/21. (Brouillette-IL) 0300-0310 M w/ mx; good; 10/22. (Wilkner-FL) 0128-0140 (P); Hilife mx thru BoH; tent. talk over mx at 0134; weak but clear; 10/24. (Barbour-NH)
- 4835.42 **PERU R. Marañon** Jaen 2300-2308 The one noted here; 10/27. (Wilkner-FL) 4835.47 1045-1055 SS ballads & ancments; weak; 11/14. (Alexander-PA) 4835.6 1024 A very good Peruvian morning on 60m from 1000-1100; Maranon one of the best along with R. Vision; good reception past 1045; M w/ relg prg; Also fair sigs from 4774.8-R. Tarma: 1016 Huaynos & typical "amanacer" prgrming; 4747.8-R. Huanta 2000: 1018; 4990.1-R. Vision Steady w/ M w/ the usual relg "chant-like" drone; quite good; 4955-R. Cultural Amauta: 1030; relg mx; fairly good; 4974.8-R. del Pacifico: 1031 (T); weak w/ CODAR; 5039-R. Libertad: 1033 v. weak but prg so fragmentary I can't rule out the Chinese on this freq; 5486.7-Reina dela Selva (P); weak; 11/3. (Jensen-WI)
- 4840 **INDIA AIR Mumbai** 0025-0032 Typical Indian chant; ancment in vern.; other lcl chant; (P) nx at 0030; best heard in LSB w/ S9+5 of peak; moderate QSB & static; almost fair w/ NIR12; 11/8. (Serra-Italy)

- 4845 **MAURITANIA R. Mauritanie** Nouakchott 2317-2335 M w/ nx in AA; rpts; ID "Idha'at al-Mauritania....min Nouakchott" & ment. of FM freq by W anc at 2326; ID at 2334 by M "Huna Nouakchott. Idha'at al-Jumhuriya al-Islamiya al-Mauritania."; strong & v. clean audio; 10/7. (Brouillette-IL) 0613 M w/ Kor'an reading; poor; 10/8. (Mikell-IL) 0420-0425 M speaking to W in (P) Wolof or Soninke; ment. of Dora Adam Khel (NWFP-Pakistan); also occasional ments. of Jihad; sig has been burying the meter at 100dB lately; 10/14. (Parker-PA) 2105 Q & A prg in AA; fair & steady w/ hi-side ute QRM; 10/15. (Brown-MO) 0815-0831* AA talk & some Mid-east style mx; one minute of Qur'an at 0830; closing ID ancments at 0831; p-f; 10/19. (Alexander-PA)
- 4857.39 **PERU R. La Hora** Curco 2300-2308 The one noted here; 10/27. (Wilkner-FL)
- 4860 **INDIA AIR Delhi** 1908-1923 Indian chants b/w M anc in lang; best in LSB w/ slight CODAR & QSB; almost fair w/ NIR12; 11/1. (Serra-Italy)
- 4865 **BRAZIL R. Alvorada** Londrina 0235-0240 M w/ PP talk; f-g despite CODAR; 10/23. (Parker-PA) 0610-0620 M & W w/ relg discussion in PP; bits of bridge mx; weak; same prg apparently; noted in checking streaming FM radio prg on-line; but not //; seemed to be delayed at least 15 sec. or so on-line; 11/11. (Jensen-WI)
- 4869.92 **INDONESIA RRI** Wamena 1302 Pop mx prg; weaker than other 60m Indos; 10/26. (Strawman-IA)
- 4885 **BRAZIL R. Clube do Para** Belem 0355 African influenced Brazilian mx; ID at ToH; another lively Samba beat song; fair; 11/16. (Taylor-WI)
- 4885 **BRAZIL R. Difusora Acreana** Rio Branco 0619 Mx & M chatter in PP; TC; ID w/ freqs; v. poor; 10/8. (Mikell-IL) 0049 Brazilian style country mx w/ animated anc; ad string; ID & more ads; CODAR QRM; f-p; 10/14. (Taylor-WI) 0255-0306 M anc w/ extended PP monologue w/ reverb; repeated snips of song Bad Boys; short Acreana jingle at 0302; rockcrusher 65-70dB sig & exc. audio; 10/14. (Parker-PA) 4885.01 0452-0514 LA songs; whistle & ID by W; other IDs & freq ancment at 0458; continuing mx prg w/ Radio Clube ID after each song; best heard in SSB; fast QSB & static; poor; improved to fair w/ NIR12; 10/23. (Serra-Italy) 0401-0500 Ballads w/ enhanced ancments by M w/ several IDs & "Musica madrugada...!"; clear freq ancment; jingles & disco mx via Ma Baker at 0455; best heard in USB to avoid het; w/ S9+ of peak & strong audio; slight QSB & static; f-g; 11/5. (Serra-Italy)
- 4895 **BRAZIL R. Novo Tempo** Campo Grande 0212-0215 M anc & slow songs in PP; 30dB sig; f-g; 10/14. (Parker-PA)
- 4900 **CHINA V. of the Strait** Fuzhou 1249 M & W in Amoy over western & lcl mx; p-f w/ fading; 10/19. (Brown-MO)
- 4904.9 **CHAD RNT** N'djamena 2112 First noticed poor & rising w/ (P) nx in FF; 2200 re-check w/ hilife mx; good; 10/15. (Brown-MO) 4904.96 1650-1734 Continuous Afropops & lcl chants; W w/ ancment at 1704 & (P) nx w/ correspondents until 1714; slight splash by 4905-Tibet during nx; more Afropops; best heard in USB w/ slight static & QSB; f-g; 10/5 (Serra-Italy)
- 4905 **BRAZIL R. Anhanguera** Araguaia 0202-0210 EZL mx in PP; exc. 60dB sig; 10/14. (Parker-PA)
- 4905 **TIBET Xizang PBS** Lhasa 0026-0033 W & M anc ment. Tung quo & Tibet; mx pause at 0030; talk by same W mixing w/ mx by unid. co-channel; best heard in SSB; slight static & QSB; fair; 10/17. (Serra-Italy) 1704-1716 W w/ (P) nx until 1705; CC mx pause w/ M & W ancments; M until 1710; classical mx; best in LSB; QRN static & slight ute QRM; poor; improved to fair w/ NIR12; 10/19. (Serra-Italy)
- 4910 **AUSTRALIA VL8T** Tennant Creek 2350-2355 M anc & mx in EE; adding up to near exc. lvls at times; but mixing with two distinctly different WWCR spurs; Pete Peters & a country & western prg; 10/22. (Parker-PA) [Great catch!-ed.]
- 4910 **UNIDENTIFIED** 2240 M w/ EE preaching; hard catch; no way to ID; 10/18. (Brown-MO) [see below-ed.]
- 4910s **USA WWCR** Nashville 0015-0030 Spur w/ two separate EE prgms from 5070 & 9980 mixing together on 4910; 9980-5070=4910; fair lvl at times but w/ deep fades; 10/18. (Alexander-PA)
- 4914.96 **BRAZIL R. Difusora** Macapa 0403-0435 Lcl ballads; M ancments & talk ment. Macapa w/ some mx breaks; continuous songs & ancments M ancmt & tlk; freq & IDat 0433; best heard in LSB w/ fast QSB & static; fair; 10/22. (Serra-Italy) 0317-0329 LA song; ancment w/ (finally!) Brasil mentioned; LA mx; M & W anc w/ talk; best in LSB w/ static; f-p; 10/29. (Serra-Italy) 4915 0512-0515 M anc & PP versions of 50s oldies; huge 70dB sig; exc.; 10/18. (Parker-PA) 0629 W anc in PP; mx; poor w/ heavy CODAR; 10/8. (Mikell-IL) 0644 PP version of Elton John's "Daniel"; M w/ ID; good until thrashed by CODAR; 10/19. (Brown-MO) 0440-0450 Pop mx in PP; good; one of the better Brazilians on tonight; SINPO 33333; 11/13. (Evans-TN) 0357 Contemporary Brazilian mx; 0403 talk; ad; ID & more talk; series of 15 sec. of mx/short ancments;(ads?); lively contemp. Brazilian mx; fair; 11/16. (Taylor-WI)

- 4920 **INDIA AIR Chennai** 1520-1534 Heard mixing w/ PBS Xizang Tibet; //4905 & 6200; nx in vern. till BoH; into "News at nine" in EE; 10/13. (Howard-CA) 0102-0107 M & W in vern.; very short mx bridges; sig only 15dB but in the clear; f-g; 10/27. (Parker-PA) 1504 Bollywood tune; v. good; 11/8. (Delmage-AB) 1528 Into EE "News at 9" at 1530; v. good; 11/9. (Delmage-AB)
- 4925 **BRAZIL R. Educação Rural** Tefe 0150-0200* M & W in PP over slow piano mx; M reverb anc w/ ID & info at s/off; outstanding 60dB sig; 10/14. (Parker-PA) 0117-0123 (T); Non-stop PP DJ talk w/ ID at 0121; echo effects; poor; 11/6. (Wood-TN)
- 4930 **BOTSWANA VOA** Moeeping Hill 0430-0435 EE talk; only fair due to CODAR; 10/24. (Parker-PA) 1603 Nx from Africa via long path; "African Service of the Voice of America" IDs; v. good; 11/8. (Delmage-AB)
- 4935 **BRAZIL R. Capixaba** Vitoria 0515-0520 M in PP; 30dB sig coming through CODAR nicely; good; 10/18. (Parker-PA)
- 4940 **INDIA AIR Guwahati** 1430 Talk in lcl lang; overtaken by co-ch. Voice of Strait at 1517 re-check; p-f; 11/8. (Delmage-AB) 1144-1205 Hindi mx w/ brief anc in lang b/w selecxns; sig dropped like a brick at 1158; poor; sig hung in thru ToH the following day; 11/9 & 10. (Barbour-NH)
- 4949.71 **ANGOLA RN de Angola** Mulenvos 0239-0249 (P); in PP w/ African hilife mx & songs; first time heard this DX season; f-p; 10/18. (Howard-CA) 4950 0305-0313 M w/ PP talks; crooner ballad & hilife mx; in the clear; fair; 10/23. (Parker-PA)
- 4949.9 **UNIDENTIFIED** 1030-1040 Noted while looking for R. Madre de Dios Puerto Maldonado; has the same f/out pattern as R. Cultural Amauta Huanta-4995; need a better opening for this one; 11/17-19. (Wilkner-FL)
- 4950 **CHINA V. of Fujiang** Shanghai 1520 CC talk; some "live" theatre noted to 1600* after ments. of Shanghai; v. good; 11/8. (Delmage-AB) 1156-1210 Light instrumental mx; pips at ToH & W anc in unid. dialect; various ancns until mx at 1205; f/out under band QRN; poor; 11/9. (Barbour-NH)
- 4955 **PERU R. Cultural** Amauta 0008-0030 (P); Rapid-fire SS talk; always a tad above the noise; 10/18. (Brown-MO) 4955 2310-2320 M giving long relg monologue; W also speaking at times; enormous 75dB sig; 10/22. (Parker-PA) 0004-0027 (P); W anc w/ SS talk & Quecha mx; weak but clear; 11/1. (Barbour-NH) 2300-2315 SS talk & Peruvian mx; promos & ads; weak; 11/14. (Alexander-PA) 2329-0003 (T); M w/ SS talk; many ments. of Huanta & (P) IDs at 2332 & 0003; poor; 11/21. (Wood-TN)
- 4960 **SÃO TOME VOA** Pinheira 0523-0530* Hausa ments. of McCain & Obama; EE ID at s/off; 30dB sig in the clear; good; 10/18. (Parker-PA) 0310 M anc w/ talk; weak in static bursts; 10/22. (Dexter-WI) 0315-0330* M & W in vern.; mx bridges, snips of M in EE talking about Social Security; phone interview; ments. of Dar es Salaam; usual EE s/off ancment & IS; carrier still on at 0334; massive 80dB sig; 10/23. (Parker-PA) 0412 VOA special prgrmng to Darfur "Aafiyah Darufur" (Hello Darfur) w/ M & W ancns w/ brief EE sound bite into AA translation; fair; 11/16. (Taylor-WI)
- 4965 **INDIA AIR Shimla** 1533 "News at 9" in EE; v. weak; 11/8. (Delmage-AB) [nice catch!-ed.]
- 4965 **ZAMBIA CVC** Lusaka 0253 Christian preaching in EE; at the end of sermon she asks listeners to call or write to Radio Christian Voice; f-g; 10/18. (Howard-CA)
- 4970 **INDIA AIR Shillong** 1433-1441 DJ in EE w/ on-air calls for mx dedications; played John Denver song; almost fair; 10/14. (Howard-CA)
- 4974.8 **BRAZIL R. Mundial** Osasco 2303-2308 Boisterous M in PP; LSB completely eliminated het from (P) R. del Pacifico; fair; 10/22. (Parker-PA)
- 4975.9 **UGANDA UBC** Kampala 2144-2205 Continuus Afropops; hammered by relentless CODAR; fair sig otherwise; 10/26. (Barbour-NH) 4976 2145-2200 (P); Weak carrier w/ just traces of modulation that indicate some Afro mx; 10/26. (Brouillette-IL)
- 4985 **BRAZIL R. Brasil Central** Goiania 0140-0145 M anc w/ PP pops; pounding in w/ 65dB sig & incredible audio; 10/14. (Parker-PA) 2321 PP ballads; M w/ ID; hampered by co-ch. ute; 10/18. (Brown-MO) 0245-0252 Outstanding blues number W/ W vcl; 80dB sig sounded like they were in my backyard; 10/24. (Parker-PA) 0456-0515 M w/ PP pop vcl followed by W anc w/ PP talk; more pop vcls w/ "Brasil Central" jingle ID at 0509; fair; 10/25. (D'Angelo-PA) 4985.01 0250-0301 Slow romantic song; M w/ PP talk; strong static & fast QSB; best in LSB; almost fair w/ NIR12; 11/7. (Serra-Italy) 0455-0522 Prg of romantic vcls hosted by M anc in PP; IDs & slogans; fair; 11/12. (D'Angelo-PA)
- 4985 **INDIA AIR Kuresong** 1510 Chat b/w two ancns in lcl lang; v. good; 11/8. (Delmage-AB) 1500 EE nx! one half hour before many other AIR regional stns go into EE nx; 11/9. (Delmage-AB)
- 4990 **INDIA AIR Itanagar** 1441-1501 SC mx & songs; before ToH 10 minutes of nx in EE; back to vern.; poor w/ light Hunan PBS QRM; 10/13-14. (Howard-CA)
- 5002.78s **USA WWRB** McCaysville 0145-0200 Multiple; weak; distorted spurs from 5050: 5018.52, 5034.26, 5065.74, 5081.48; note 15.74 kHz separation b/w each freq; 5034.26 was the strongest; 11/1. (Alexander-PA)

- 5005 **EQ. GUINEA R Nacional** Bata 2356-2357* T/in to hear them closing down w/ fanfare anthem & abruptly off; outstanding 50dB sig; 10/21. (Parker-PA) 1904-1956 Continuous lcl choral chants & Afropops until 1953; M w/ SS ID as "Radio Bata"; more Afropops; best in SSB w/ fast QSB & static; p-f w/ NIR12; 10/22. (Serra-Italy) 0515-0550 Non-stop African tribal vcls & mx; poor w/ deep fades; 11/5. (D'Angelo-PA) 0550-0555 (P); Afropops occasionally peaking above noise; first log of anything on this freq in some time; poor; SINPO 24222; 11/5. (Evans-TN) 2245-2256* Afropop mx; SS ancments; s/off w/ NA at 2253; weak in noisy condxns; 11/14. (Alexander-PA)
- 5005 **UNIDENTIFIED** 2219 Carrier trying to break through QRN; R. Nacional?; 10/15. (Brown-MO) [more than likely-ed.]
- 5010 **INDIA AIR Thiruvananthapuram** *0019-0030 IS; choral-like vcls; ID into Hindi mx; ancr from 0025; poor; 10/29. (Barbour-NH)
- 5010 **MADAGASCAR RTV Malagasy** Antananarivo 1841-1855 Continuous slow pop songs; R. Madagascar jingle ID during mx prg; M ancment w/ low voice; more mx; best in USB; fast QSB & slight static; fair; 10/16. (Serra-Italy) 0110-0115 FF talks; p-f; 10/18. (Parker-PA) 2058-2110* Up-beat mx in lang.; W ancr at 2103 followed by ballad thru s/off; p-f in reduced carrier USB; 10/25. (Barbour-NH) 1825-1854 Lcl mx; M w/ ID & ancments ment. Madagascar; Afropops; best heard in USB w/ nice audio; slight QSB; fair; 11/1. (Serra-Italy)
- 5019.9 **SOLOMON ISLANDS SIBC** Honiara 1000-1100 Seems off the air; not noted as previously rpted; 11/16. (Wilknor-FL)
- 5030 **CHINA CNR-1** Beijing 1653-1703 Lcl mx; W & M talks & mx pauses; time pips at 1700; W & M ID ancment; CC mx; best heard in USB w/ static & QSB; p-f w/ NIR12; 10/19. (Serra-Italy)
- 5030 **MALAYSIA RTM** Sarawak 1250-1326 With CNR-1 off the air here; Sarawak FM was doing very well in vern. w/ IDs; "RTM Kuala Lumpur"; regarding the news; & many "Sarawak FM" IDs; ToH 2 pips; RTM nx w/ only //5964.93v Klasik Nasional FM; //7130; noted again at 1352-1423 recheck; 10/21. (Howard-CA) 1330 Normally an unlistenable mix of Malaysia & China w/ China on top; but trx to a tip from Hiroshi and S. Hasegawa at NDXC in Japan; this & many other CNR-1 freqs via Beijing are unexpectedly off the air; now all I hear is one stn w/ soft "island" vcl mx; tho w/ the inevitable splash from Cuba-5025; the Malaysian stn is RTM Sarawak in Kuching; 10/22. (Hauser-OK) 1505 (P) nx in lcl lang; ID at 15:09:30 as "Radio RTM" into lcl pop mx prg; noted s/off at 1600; f-g; Nigel noted them go off early 11/8 at 1555 or so; when they were v. good; 11/9. (Delmage-AB)
- 5034.26s **USA WWRB** Nashville 0035-0055 Fairly strong distorted spur from 5050 w/ EE relg prgrmg; also heard spur at threshold lvl on //5065.74; spurs are +/- 15.74 kHz away from 5050; 10/18. (Alexander-PA)
- 5035 **BRAZIL R. Aparecida** Aparecida 2245-2250 M in PP speaking about Jesus; choral mx; best in LSB to avoid het via (P) R. Educacao Rural; good; 10/21. (Parker-PA)
- 5035.1 **BRAZIL R. Educacao Rural** Coari 2245-2250 (P); W in PP; mostly buried under dominant R. Aparecida; poor; 10/21. (Parker-PA)
- 5039.21 **PERU R. Libertad** Junin 1020-1030 Exotic Peruvian mx; M w/ full IDs; 11/3-5. (Wilknor-FL)
- 5050 **USA WWRB** McCaysville 0004 EE preacher putting weaker distorted spur on 5034.0; as the modulation on the spur audibly peaked; the S-meter visibly dipped; is this what you call negative modulation? also could detect a matching carrier on 5066, i.e. 16 kHz on the other side; but masked by too much WWRB 5070; 10/18. (Hauser-OK) 2225-2244 M w/ relg talk; stn producing spurs at +/-15KHZ & +/-30KHZ; 10/24. (Brouillette-IL) 2348 Txmitter is way out of whack; all I could hear on 5050 were swishing noises in a cadence resembling talking; but totally unintelligible; also putting out spurs peaking around 5034 & 5066 as I have heard before; the latter now strong enough to bother its neighbor WWRB-5070; at 2357 5050 had settled down a bit; undermodulated but recognizable w/ choral version of "Wonderful Words of Life"; at 0000 Dave Frantz's quick; lo-fi legal ID interrupted a preacher titled "...Truth Broadcast"; 11/1. (Hauser-OK)
- 5110U **USA WBCQ** Monticello 0110 Observations during the final presidential debate; WBCQ 5110U playing mx instead & at 0112 nothing heard; so guess they did not carry it this time & Area 51 was just running over a bit; 10/16. (Hauser-OK)
- 5745 **USA R. Marti** Greenville 1248 On reactivated; jamming-free & //5980 which had the usual jamming; RM was discussing something about Spain's cultural center; recheck 1346; 5745 still going in the clear; at 1358 QSY ancment claimed that in a few moments RM could be heard on 9565; 11930 & 13820; Really?? Nothing on 9565 at this hour; is RM giving out disinformation or just ignorant about its own sked? 9565 is now supposed to run at 20-24 UT; ex-17-24 in A-08; or was it *1730? Here are my other logs of RM this date: At 1346; O/C on 15330; which was not used all A-season; jammed anyway at times but not right now; 1402 check; RM prgrmg underway on 15330 as well as 13820 & at 1414 check on 11930; almost always runs three freqs at any one time; 10/26. (Hauser-OK)

- 5745 **USA WYFR** Okeechobee 0734 EE heard with jamming pulses underneath because R. Marti uses same freq at very different times; also jamming against nothing at 0735 on 5890; as WWCR-4 was absent; tho present on 5935 w/WWCR-2; for the Cubans 5890 must be jammed because VOA Spanish uses it at very different times & at 0739 much more serious heavy multiple-site jamming was running against R. Marti actually using 5980 & 6030; 11/4. (Hauser-OK)
- 5770 **MYANMAR Myanmar Defense Forces BS** Taunggyi 1418-1431* S/off earlier than normal; brief selection of indigenous instrumental mx at s/off; weak but clear; 10/14. (Howard-CAO 1431 Usual BoH indigenous marching mx & pop songs; heard the usual 1529* after a brief selection of indigenous mx; this can be heard here just about every day w/ p-f rcption; 10/16. (Howard-CA)
- 5840 **N. MARIANA ISLANDS RFA** Tinian 1428 Phone-in; a CC lang; good sig; als 5855 w/ SE Asian song; these are both R. Free Asia; Cantonese & Vietnamese respectively; 11/2. (Hauser-OK)
- 5860 **CHINA V. of Jinling** Nanjing 1246 80s pop & new wave mx [Mandarin?-ed.]; then a string of promos or ads spanning both sides of 1300 before going back to the tunes; a bit fluttery; f-g; 11/15. (Schiefelbein-M0)
- 5875 **UNITED KINGDOM BBCWS** Rampisham 0628 Ending From Our Own Correspondent; good; I had already heard it Saturday at 0432; 5875 looks like a good bet for N. Americans to hear BBC despite their best efforts to prevent us; w/ the seemingly unfavorable azimuth of 62 degrees from Rampisham at 0500-0700; 10/26. (Hauser-OK)
- 5875 **USA WHRI** Hmong North Radio 0003 Hmong talk; sure sounds like the same ancr as on Hmong Lao Radio; loud & clear; (P) w/ rustic mx later in the semihour but I couldn't stay with it this time; other weekly b/cast is 25 hours later; [date?-ed.] (Hauser-OK)
- 5890 **USA WWCR** Nashville 0629 Now WWCR is getting hit by nonsensical DetroCuban jamming; which earlier in the evening is used by VOA Spanish; could hear jamming pulses under mx which was undermodulated rather than overmodulated; in the Pastor Pete Peters svc; 11/2. (Hauser-OK)
- 5900 **BRAZIL R. Senado** Brasilia 0558-0630 M w/ ID; FM & SW freqs; seeming brief nxcast by M & mostly W into prg of light Brazilian vcls; weak-fair; 11/14. (Jensen-WI)
- 5900 **BULGARIA R. Bulgaria** Plovdiv 0010 R. Bulgaria's EE b/cast to N. America at 0000-0100 is totally ruined thanks to that defective motorboating Russian txmitter always operating in B-season from one of the Moscow sites on 5900; absolutely nothing was readable either from it or from Bulgaria; but we can still hear Bulgaria on 7400; 11/2. (Hauser-OK) 

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- 5905 **UNITED KINGDOM** *Deutsche Welle* relay via Wooferton in EG 0407, "Newslink", IDs, features on the sale of ivory and the failure of Zimbabwe's power sharing agreement, p-f (D'Angelo PA 10/29)
- 5970 **AUSTRIA** *AWR* relay via Moosbrunn in Urdu 0215-0259*, ID in EG and into Panjabi language at 0230, numerous IDs in various languages, Lahore mailing address, fair (D'Angelo PA 11/8)
- 5985 **MYANMAR** *R Yangon* in Burmese 1525, poop music and indigenous instrumentals, into EG at 1530, news, weather, promo, EZL music selections (Howard CA 10/22)
- 5990 **BRAZIL** *R Senado* Brasilia in PT 0558-0630, ID, freqs, brief newscast, vocals, fair (Jensen WI 11/14)
- 6000 **BULGARIA** *R Varna* in BG 2230-2300+, talk, IDs, local lite pops, poor w/QRM (Alexander PA 11/9)
- 6015 **ROMANIA** *RR1* Bucharest in EG 2343-2357*, feature re pay scale issues in Romania, IDs, into "Culture Event" about 18th National Theater Festival, ID, sked and E-mail, f-g (D'Angelo PA 10/28) in EG 2335 with talk about wolf and bear hunting, Traditional Music Box, //6115 (Hauser OK 11/7)
- 6020 **ALBANIA** *China R Int'l* relay in EG *0000, ID, news, rpt on Russia & Israel, g (McGuire MD 10/28)
- 6030 **CANADA** *CFVP* Calgary in EG 1417-1444, IDs as Classic Country AM 1060, traffic report, C&W songs, sports news, weather, ads, covered by Firedrake QRM before 1400 (Howard CA 10/22)
- 6035 **BHUTAN** *BBS* Thimpu in EG 1404-1500*, news, ID, pop music, mixing with Yunnan PBS in VT language until their 1501 sign off (Howard CA 10/21)
- 6035 **COLOMBIA** *LV del Guaviare* San Jose del Guavia in SP 0110-0203, Latin vocals, IDs, slogans, at 0134 into a series of EG lyrics rock music, fair (D'Angelo 11/10) in SP 0220, vocals, ID, adjacent channel splatter (Paszkiwicz WI 10/23) in SP 0250-0303*, local romantic ballads, talks, closing ID anncmts 0259, NA 0301, p-f with co-channel QRM from the BBC (Alexander PA 10/25)
- 6035 **UNITED KINGDOM** *Deutsche Welle* relay via Skelton in AR *0400, news, jingle ID (D'Angelo PA)
- 6040 **ARMENIA** *R Nederlands* relay via Yerevan in DT 2059, IS, ID, "Newslines" w/headlines and news re US elections and Osama Bin Laden, exc (Barbour NH 11/4)
- 60496v **MALAYSIA** *V of Islam RTM* Sarawak in Malaysian 1645, Qu'ran to 1650, talk by YL, ID at 1658 "Radio Suara Islam", NA, f-p (Delmage AB 11/8)
- 6055 **LITHUANIA** *The Mighty KBC* via Sitkunai in EG 2201-2229*, R & R music hosted by Wolfman Jack with frequent IDs and ads for Kaito worldband radio and hotel in Scotland, f (D'Angelo PA 11/11)
- 6055 **JAPAN** *Nikkei Radio 1* Tokyo in JP/FR 1319-1330*, FR lesson presented in JP, 1329 s/off anncmts in JP listing numerous JOZ call-signs, fqys, and kilowatts at s/off (Hauser OK 11/6)
- 6070 **CANADA** *CFRX* Toronto in EG 2336-2355, talk, ads, ballad music, //CFRB on 1010, fade out at 2355 Tough to catch this one in TN. Last logged on 2/4/62 (Evans TN 11/9)
- 6075 **RUSSIA** *R Rossii* relay via Petropavlovsk in RS 0810-0900, local programming, ex-5920, news, long interviews, news with musical fanfares b/w items, long radio drama, fair (Howard CA 10/27)
- 60899v **NIGERIA** *V of Nigeria* Kaduna in Hausa 2037-2125, tribal vocals, talks, drums at 2059 followed by ID and news, music from 2120, fair (D'Angelo PA 10/21)
- 6110 **CANADA** *R Japan* relay in EG *0500, pips, ID, news, feature on Congo, g (McGuire MD 11/2)
- 6110 **ETHIOPIA** *R Fana* Addis Ababa in Amheric *0255, IS, ID, light music, HOA-style instrumentals, fair to good, //72099v very weak (Alexander PA 11/14)
- 6120 **IRAN** *V of Justice* Teheran in EG 0131-0203, reciting from the Qur'an, promo for Islam, news with much about the capture of US hostages in 1979, poor to fair by tune-out (Howard CA 11/4)
- 61348v **BOLIVIA** *R Santa Cruz* in SP 0100-0114*, talk, ads, SP ballads, local music, many IDs, s/off with local rancho-style tune w/many mentions of Santa Cruz in the lyrics, p-f with adj channel splatter (Alexander PA 11/1, Jensen WI 11/1)
- 6145 **CANADA** *R Japan* relay in EG *0000, ID, "What's Up Japan" feature, news, g (McGuire MD 10/17)
- 6150 **ALASKA** *KNLS* Anchor Point in EG 1214, many IDs, features, inspirational music segments, p-f and buzzing noise swamped signal by 1235, //6915 weak (D'Angelo PA 11/7) in EG 1436 with final EG hour of the day, devotional message, music, adj channel splat from 6145 (Hauser OK 11/3)
- 6165 **CHAD** *RNT* N'Djamena in FR 2210-2231*, African hi-life music, long talk, ID and NA at s/off, fair (Alexander PA, D'Angelo PA 11/14)
- 6170 **NEW ZEALAND** *RNZI* in EG 1330, feature "Spectrum", remote report about storm damage, seals with plenty of location sound (Hauser OK 10/20)
- 6180nf **CYPRUS** *Cyprus BCC* in GK *2215-2245*, ex-5930, GK music and talk, fair w/adj channel splatter, //7210 strong but co-channel QRM from China, 9760 good (Alexander PA 11/7)

- 6190 **BOSNIA-HERZEGOVINA** *Int'l Radio Serbia* relay via Bijeljina in EG 2358, nice ID, news, voice modulation low made audibility difficult despite good signal strength (Mikell IL 10/19) in EG *0100, ID, national news, feature on European Union, g (McGuire MD 11/5)
- 6205 **IRAN** *VOIRI* Kamalabad in EG *1928, s/on w/light instrumental music, NA, ID, into Qur'an at 1933, news 1937, poor to fair, better on //7205, 7260, 9925 (Alexander PA 10/19)
- 6240 **MOLDOVA** *V of Russia* relay in SP *0100, IS, ID, minly regional news, g (McGuire MD 11/6)
- 6973 **ISRAEL** *Galei Zahal* Tel Aviv in HB 0150, DJ spinning EZL and oldies records, news, canned promo at 0200 before going back to the music, fair (Schiefelbein MO 11/9)
- 7110 **ETHIOPIA** *R Ethiopia* Addis Ababa in Amheric 1957-2101*, local pop music, news at 2000 and back to some techno-pop and reggae style music, NA at 2059, good, //5990, 9704 (Alexander PA 10/19) in Amheric 2052, Horn of Africa vocals, ID at 2100*, very good, //9704 fair (D'Angelo PA 10/25)
- 7135nf **BELARUS** *RS Belarus* Minsk in EG 2100-2130+, ID, news, light instrumentals, commentary, fair with muffled audio and QRM, //7360 weak (Alexander PA 10/29) in EG *2100-2200, ID, news, website, postal address, lots of music and IDs with phone number, fair w/QRM (Barker PA 11/12)
- 7200 **RUSSIA** *R Rossii* relay via Yakutsk in RS 0318-0343, various music, IDs, //5935 via Magadan, 6075 via Petropavlovsk, and 7320 Magadan (Howard CA 10/27)
- 7235 **THAILAND** *RT* Udon Thani in Laotian/Burmese 1135, talk, IS, ID 1143, Billy Joel tune to 1145, into Burmese service thereafter, p-f with QRM (Barbour NH 10/26)
- 7250 **VATICAN CITY** *Vatican Radio* in EG 0605-0628, beam to Europe, Bible verses followed by Vatican news, including report on Pope's post-election letter to Obama, good, //5965 (Barker PA 11/12) Latin Mass at 0630, some enjoyable classical organ music afterwards, good (Hauser OK 11/14)
- 7260 **THAILAND** *R Thailand* Udon Thani in VT 1108-1130*, talk, ID in EG 1110, gong IS and into Khmer at 1116, fair to good (Alexander PA 10/24)
- 72846v **MALI** *RTVM* Bamako in FR/AR *0800, s/on with flute IS and ID in FR, into talk in AR at 0801, fair, //9635 with a fair to good signal (Alexander PA 11/9)
- 7325 **LITHUANIA** *R Vilnius* in EG 2334-2359*, EG news, ID, s/off with IS, weak (Alexander PA 10/29)
- 7350 **CHINA** *China Radio Int'l* via Kashi in EG 2305, World/China news update followed by CRI News and Reports, apparently //to 6040 Sackville, Canada relay, fluttery, weak (Schiefelbein MO 11/13)
- 7360 **VATICAN CITY** *Vatican Radio* in EG *0630, African service with news items about the Catholic Church in Africa and long report about Pope's visit to Cameroon and Angola scheduled for March 2009, very strong reception (Barker PA 11/12)
- 7375 **GERMANY** *V of Croatia* relay via Wertachtel in EG 0300, "Croatia Today" news and current affairs, sports, weather, local pop music, very good, //3985 very weak (Alexander PA 10/31)
- 7400 **BULGARIA** *RB* in EG *0000, IS, ID, fqys, sked, news, feature on Vietnam, g (McGuire MD 11/4)
- 7475 **GREECE** *V of Greece* Athens in GK 0519, lively wakeup program w/music and chatter, sing-alongs, //7450 weaker and 9420 also weaker (Hauser OK 10/30)
- 9290 **LATVIA** *Latvia Today* via Riga in EG 1045-1100*, YL with talk re Latvia b/w pop music selections, ID "We've got Latvia...Latvia Today" at 1056, filler music to s/off, poor (Barbour NH 11/2)
- 9335 **NORTH KOREA** *V of Korea* Kujang in EG 1339, traditional Korean vocals with a martial edge, political talk by OM and YL, very good reception (Evans TN 10/23) in EG 1349, mellow orchestral music, ID, QRM from 9330 at 1358, fair until QRM, then poor (Taylor WI 10/25) in EG 1315, talk about how N Korea socialism welcomes all believers etc. with plenty of shout-outs to Kim Jong, some fades otherwise good reception (Schiefelbein MO)
- 9345nf **PHILIPPINES** *VOA* relay in EG 1254, new frequency for VOA English, Press Conference show, Jazz USA, beamed from Tinang, //9760 weaker (Hauser OK 10/26)
- 9520nf **SRI LANKA** *VOA* relay in EG 1527, NHL (hockey) news, VOA World News Now, ID, Today in History, fluttery and poor signal (Hauser OK 11/15)
- 95259v **INDONESIA** *V of Indonesia* Jakarta in EG/IN 1255, choral music at tune-in, into talk in Indonesian, ID in EG 1305 and into EG programming w/news at 1307, poor (Alexander PA 11/1) in IN/EG 1258, end of Indonesian program and into EG 1302, ID, fqys, website, and news, p-f (D'Angelo PA 11/6)
- 9660 **AUSTRALIA** *R Australia* Brandon in EG 0740, beamed to the Pacific with 10 kw, YL discussing several topics including the world financial crisis, abrupt s/off - no 'g-day' even (Barker PA 11/12)
- 97042v **ETHIOPIA** *R Ethiopia* Addis Ababa in Amheric 1950-2101*, Horn of Africa pop music, talks, news?at 2000, variety of US pop ballads, rap, and country music, NA at s/off, //7110, f-g (Alexander PA 11/9)
- 9710 **UNITED KINGDOM** *R Algerienne* relay via Skelton in AR 2212, talk, ID 2223, alternating YL and OM announcers with short items, mellow guitar music b/w items, fair (Taylor WI 10/25)

- 9780 **YEMEN R Sana'a** in AR 2138-2218*, pleasant and continuous traditional-style guitar? music with vocal accompaniment, canned annctmt 2201, then a mix of chat, phone calls, and Middle Eastern pop songs, off in mid-sentence at 2218, fair-poor (Schiefelbein MO 11/8)
- 9800 **MONACO Trans World Radio** relay via Monte Carlo in EG 0838-0850*, religious fare, into new pgm at 0845, UK contact info, website, IS at s/off, fair, //6015 Wertachtel relay (Barbour NH 11/11)
- 9820 **CHINA Guangxi FBS** Nanning in VT 2258, instrumental mx, ID in CH 2300, news? in VT, signal bothered by QRM from two other stations underneath, no sign of Havana (Schiefelbein MO 11/13)
- 9839v **VIETNAM V of Vietnam** Hanoi in EG 1517-1527*, commentary on the price of gasoline in Vietnam (lower than in Cambodia), EZL Vietnamese song, good (Howard CA 10/23)
- 9895 **MADAGASCAR R Sweden** relay in EG 2058*, tail-end of transmission w/weather conditions in Sweden, repeat of news headlines, filler music from Jesus Christ Superstar, g (Barbour NH 11/4)
- 110925 **ST. HELENA ISLAND RSH** in EG *2000-2145, time pips, fanfare and Gary Walker w/ID and opening announcement for Radio St. Helena Day celebration, message from the Royal Governor and greetings from the Japan Shortwave Club, Abba's Dancing Queen, fair with fades (D'Angelo PA 11/15)
- 11620 **INDIA AIR** Bangalore in RS 1646, vocals and lots of instrumental music featuring tabla and sitar, closing announcements and audio out at 1715 (Strawman IA 11/16)
- 11620 **CHINA China R Int'l** via Xi'an in EG 0852, end of "China Horizon", postal and E-mail addresses, ID, local music and "News and Views from CRI", good to poor (Park HI)
- 117108v **ARGENTINA RAE** in JP 0013-0105, tango music, RAE IDs spelled out, in JP to 0100 then into EG programming, fair-poor (Howard CA 11/4) in SP/EG 0059, IS, ID in SP and into EG programming at 0103, local SP ballads, news, fair (Alexander PA 11/15)
- 11765 **SPAIN REE** Noblejas in AR 1730, talk interspersed w/fiddle tunes, ID "Huna Madrid" (Hauser OK)
- 11870 **THAILAND R Thailand** Udon Thani in Malaysian *1200-1214*, IS and ID in EG at s/on, mx bridge, into Malaysian service, music, abrupt s/off at songs end, fair (Barbour NH 11/1, D'Angelo PA 11/5)
- 11915 **BRAZIL R Gaucha** Porto Alegre in PT 2210, William Tell Overture theme, singer and intro music to sports talk program, mention of "Maradona" star soccer player, fair (Jensen WI 10/28)
- 11940 **ROMANIA RRI** Bucharest in M 1332, announcer w/long list of world cities, continent by continent where the people may vote, best signal on the 25 mb band from Europe (Hauser OK 11/3)
- 11990 **KUWAIT R Kuwait** in EG 1800-1845, pips, ID, NA, fqy, feature about the teachings of Islam, light US pop music, techno-pop dance music, news 1830, very good reception (Alexander PA 10/25)
- 12150 **SRI LANKA VOA** relay in EG 1535, item on The 4 Tops and Levi Stubbs death, music, CD giveaway in December mentioned, ID, very poor w/polar flutter (Mikell IL 10/21)
- 13590 **ZAMBIA CVC International** Lusaka relay in EG 1845, music "One Africa", jingles, promos, interview about DRM, skit, good (Mikell IL 10/21) in EG 2003, promos, listener testimonials, website, South African postal, "One Way, One Africa" zinger, "Weekend Edition", banter, f-g (Barbour NH 10/14)
- 13650 **ZAMBIA CVC International** Lusaka relay in EG 1630-1700, soft rock gospel music, Top 40 songs mixed w/station promos, phone #, ID as "No. 1 Africa - CVC, One Life, One Way, One Africa", music until 1657 until abrupt s/off, 3 minute gap in audio from 1637-1640 (Barker PA 11/4)
- 13720nf **ALBANIA R Tirana** in EG *1525, OC to 1530, signing on its first day of new xmsn to No America from 1530-1600, IS, YL reading complete B-08 xmsn times to NA, some distortion on modulation as well as under-modulated at first part of program (Hauser OK 10/27)
- 13830nf **UNITED KINGDOM R Solh** relay via Rampisham in EG 1303, ex-17700, talk, lively dance music, good but occasional splatter from R Marti jamming on 13820 (Hauser OK 10/26)
- 15250 **CUBA R Nacional de Venezuela** relay via Havana in SP/EG 2332, ID in SP, into feature in EG called "Contact", acknowledged reception reports, full explanation of SINPO codes and about UTC, back to SP with speeches by Hugo Chavez, very strong signal (Howard CA 10/26)
- 15275 **THAILAND R Thailand** Udon Thani in EG *0200-0230, s/on with bell/chimes, local news, history of the royal family, business news, several promos, beamed to WCNA, fair (Howard CA 11/3)
- 15325 **SOUTH AFRICA Southern Sudan Interactive Radio Instruction** relay via Meyerton in EG 1302-1330*, EG language lesson w/frequent doorbell cues, drums, ID, local African music at 1326, poor to fair, transmit on Mon-Wed-Fri only, poor to fair (Alexander PA 11/14)
- 15545 **IRAN VOIRI** Sirjan in AR 1347, Mideast singing, talk about Bahrain mixing with bits of music, theme music, news?, very good with some flutter, part of lengthy AR service 0530-1630 (Hauser OK 10/26)
- 15605 **FRANCE RFI** Issoudon in EG 1605-1630, to Africa, news, sports features, TC, ID (Barker PA 11/4)
- 15620 **PORTUGAL Deutsche Welle** relay via Sines in Hausa 1832, enthusiastic dialog, drama?, village sounds, bits of hilife music, laughing, children's voices, moving to 9430 in B08 (Hauser OK 10/24)

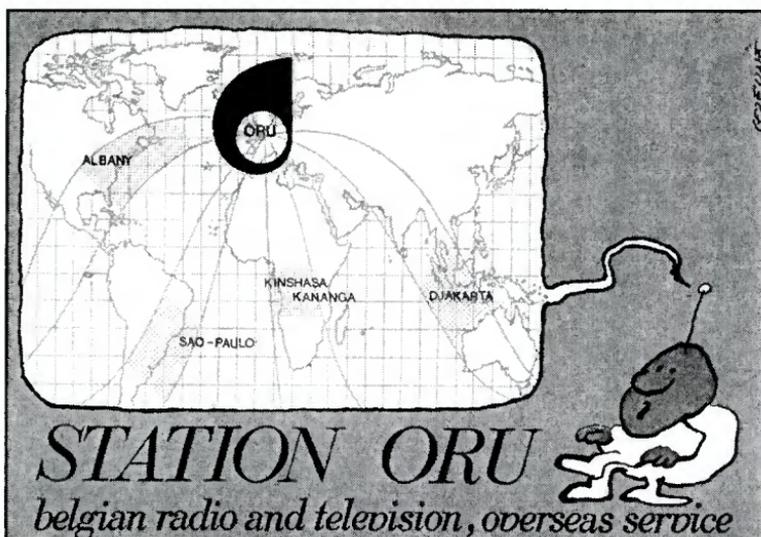
- 15650 **SLOVAKIA** *Miraya 101 FM* relay in EG/AR *1459, s/on with African music, pips, ID at 1501, news in EG, Arabic talk at 1511, poor to fair (Alexander PA 10/24)
- 17725 **LIBYA** *Voice of Africa* Sabrata in EG *1404-1505, s/on 4 minutes late, news w/brief musical bridges b/w items about the Leader of the Revolution, YL w/comntry re democracy and Libya's constitution, report on the development of Africa and its resources, very good to fade out by 1505 (Barker PA)
- 17745nf **PORTUGAL** *Sudan Radio Service* relay via Sines in EG *1500-1531, ex-17690, IDs, "Let's Talk" program about local Sudanese issues, short musical breaks, talks about human rights violations in Sudan, multi-lingual IDs at 1530, into AR programming 1531, poor to fair (Alexander PA 11/15)
- 17810 **NETHERLANDS** *ANTILLES R Nederland* relay via Bonaire in EG *2000, "Amsterdam Forum", solid reception (Fraser ME 10/11)
- 17855nf **AUSTRIA** *RAI* Moosbrunn in EG 1320, discussion of airline privatization in Austria and Germany, IDs 1321, postal, "Report from Austria", acknowledged reception reports, fair (Hauser OK 10/26)
- 21470 **ASCENSION ISLAND** *BBC* relay in EG 1500, "World News Update", "Focus on Africa" with report on a proposed ceasefire in Darfur, good (Schieffelbein MO 11/13)
- 21695 **LIBYA** *V of Africa* Sabrata in EG 1417, YL discussing African unity, IDs, Afro pop music, moderate signal strength w/heavy fading, //17725 (Evans TN 10/23)
- 25950 **USA** *KOA-FM* feeder Denver, CO in EG 0224, Rush Limbaugh taking callers, and talking about possible effects of Obama's election to presidency, ID as "News Radio 850 KOA Timesaver Traffic" at 0229, string of local ads, fair to poor w/ heavy fading (Schieffelbein MO 11/9)

Clandestine/Opposition Stations

- 5910 **JAPAN** *Shiokaze/Sea Breeze* via Yamata in EG 1416, heavily-accented news in EG re North Korea, ID at 1420 in clear American accent 'This is Shiokaze, Sea Breeze from Tokyo, Japan' and then "Today's Editorial", clear signal w/o jamming (Hauser OK 11/7, Howard CA)
- 6100 **CANADA** *Radio Republica* relay via Sackville in SP 1152, talk, rooster crow, IDs, frequency, Cuba mentioned, final ID 1159, fair (Mitchell NC 11/11)
- 7165 **ETHIOPIA** *V of Peace and Democracy* (Eritrea) relay via Geja in Tigrinya 0402-0431*, news, brief drums segment, long commentary, Horn of Africa music but mainly talk to s/off, f-p (D'Angelo 11/14)
- 11745nf **UNITED KINGDOM** *SW Radio Africa* (Zimbabwe) relay via Wooferton in EG *1700, opening with song "Africa", ID, religious program w/prayers, songs, and sermons, fair (D'Angelo PA 11/9) in EG 1721, interview re the Zimbabwe situation, "Weekend News Roundup", vernacular ID, back into EG with "Health Beat", good (Hauser OK 11/1) in EG 1715, "Newsreel" w/talk re human rights violations in Zimbabwe and cholera outbreak, IDs, very good (Alexander PA 10/31)
- 17550 **MADAGASCAR** *Voice of Tibet* relay in Tibetan 1424-1429*, OM talking, IS, musical notes at sign-off, poor (Parker PA 10/4)

Digital Reception

- 9890D **NEW ZEALAND** *RNZI* in EG 0550, news feature on soldiers still missing in the Iran-Iraq war, short parody of Queen Elizabeth surfing the Internet, pips, ID, fair DRM recovery (Mikell IL 10/7) 



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=
Talanta, 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	0130-0145 NA	7425 Tuesday to Sunday
ALBANIA R TIRANA	0245-0300 NA	7390 Tuesday to Sunday
ALBANIA R TIRANA	0330-0400 NA	6110 Tuesday to Sunday
ALBANIA R TIRANA	0430-0500 NA	6100 Tuesday to Sunday
ALBANIA R TIRANA	1530-1600 NA	13720 Monday to Saturday
ALBANIA R TIRANA	1945-2000 Eu	7465 11645 Monday to Saturday
ALBANIA R TIRANA	2100-2130 Eu NA	7510 9345 Monday to Saturday

R NACIONAL ANGOLA	2100-2200 Af	7217
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ANGUILLA CARIBBEAN	1000-2200 NA	11775
ANGUILLA BEACON	2200-1000 NA	6090

Relays Dr. Gene Scott University Network

RAE ARGENTINA	0100-0200 NA	11710 Tuesday to Saturday
RAE ARGENTINA	1700-1800 Eu	9690 15345 Monday to Friday

AWR AFRICA	1800-1830 Af	3215m 3345m 11830
AWR AFRICA	2100-2130 WAF	9830M

AWR ASIA	1130-1200 EAs	15260g
AWR ASIA	1200-1230 As	15495w
AWR ASIA	1330-1400 EAs	11935g Thursday/Saturday
AWR ASIA	1330-1400 SAs	15660g Not Sunday/Wednesday
AWR ASIA	1500-1530 SAs	15105g
AWR ASIA	1530-1600 As	11675w
AWR ASIA	1600-1630 SAs	9585g 11690g
AWR ASIA	1630-1700 SAs	11980g
AWR ASIA	1730-1800 ME	9980g
AWR ASIA	2130-2200 As	9625g
AWR ASIA	2230-2300 As	15320g

HCJB AUSTRALIA	0100-0130 As	15410
HCJB AUSTRALIA	0730-0930 Pa	11750
HCJB AUSTRALIA	1200-1300 As	15400 (Saturday 1200-1245, Sunday 1230-1330)
HCJB AUSTRALIA	1230-1330 As	15540 (Saturday 1300-1330, Sunday 1200-1330)
HCJB AUSTRALIA	2200-2330 As	15525 Monday to Saturday

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	5995 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	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 11660>
RADIO AUSTRALIA	1500-1600 As Pa	5995 6080 7240 9475 9590 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	12010 13630 15230 15240v 15515 17785 17795
RADIO AUSTRALIA	2300-2400 As Pa	9660 12010 12080 13690 15230 <15240v 15415> 17750> 17785 17795
VOICE INT AUSTRALIA	0030-0230 SAs	7395T
VOICE INT AUSTRALIA	0430-0930 SAs	15610T
VOICE INT AUSTRALIA	0930-1130 SAs	15555
VOICE INT AUSTRALIA	1130-1830 SAs	13635
Weekday schedule:		
RADIO AUSTRIA INT	0014-0029 CNA	7325 Tuesday to Saturday
RADIO AUSTRIA INT	0044-0059 ENA	7325 Tuesday to Saturday
RADIO AUSTRIA INT	0114-0129 LA	9870 Tuesday to Saturday
RADIO AUSTRIA INT	1305-1320 Eu/As Pa	6155 13730 17855 Monday
RADIO AUSTRIA INT	1315-1330 As Pa	17855 Tuesday to Friday
RADIO AUSTRIA INT	1345-1400 Eu	6155 13730 Tuesday to Friday
RADIO AUSTRIA INT	1605-1620 NA	13675c Monday
RADIO AUSTRIA INT	1615-1630 NA	13675c Tuesday to Friday
RADIO AUSTRIA INT	1645-1700 NA	13675c Monday to Friday
Weekend schedule:		
RADIO AUSTRIA INT	0005-0028 CNA	7325 Sunday and Monday
RADIO AUSTRIA INT	0035-0058 ENA	7325 Sunday and Monday
RADIO AUSTRIA INT	0105-0128 LA	9840 Sunday and Monday
RADIO AUSTRIA INT	0605-0628 ME	17870 Sunday
RADIO AUSTRIA INT	1305-1328 As Pa	17855 Saturday and Sunday
RADIO AUSTRIA INT	1305-1358 Eu	6155 13730 Saturday and Sunday (except German News 1330-1335)
RADIO AUSTRIA INT	1605-1658 WNA	13675c Saturday and Sunday (except German News 1530-1535)
The station also has a short English news bulletin to Europe at 0709 on 6155. English transmissions cease at the end of 2008.		
RADIO BANGLADESH	1230-1300 As	7250
RADIO BANGLADESH	1745-1900 Eu	7250
BELARUS RADIO MINSK	2100-2300 Eu	7135 7360 7390
RADIO BULGARIA	0000-0100 NA	5900 7400
RADIO BULGARIA	0300-0400 NA	5900 7400
RADIO BULGARIA	0730-0800 Eu	5900 7400
RADIO BULGARIA	1230-1300 Eu	11700 15700
RADIO BULGARIA	1830-1900 Eu	6200 7400
RADIO BULGARIA	2200-2300 Eu	6200 7400
RADIO CANADA INT	0000-0057 SEAs	9880x
RADIO CANADA INT	0005-0104 NA	9755 (-0204 Tuesday to Saturday)
RADIO CANADA INT	0100-0159 SEAs	5840H 7165E 7255u
RADIO CANADA INT	1500-1557 As	9635x 11975x
RADIO CANADA INT	1605-1804 NA	9610
RADIO CANADA INT	1800-1859 Af	7185x 11875V 13650 15365 17790
CHINA RADIO INT	0000-0100 NA/As/Eu	6020q 9570q/6075 6180 7180 9425 11650 11730> 11790 11885/7350
CHINA RADIO INT	0100-0200 As	6075 6175 7180 <11730 11650 11885
CHINA RADIO INT	0100-0200 NA/Eu	6005c 6020q 6080c 9570q 9580h/7350 9410
CHINA RADIO INT	0200-0300 As	11770 13640 15435>
CHINA RADIO INT	0300-0400 NA/As	6190c 9690e 9790h/9460 11770 13620 15110 15120

CHINA RADIO INT	0400-0500 NA/As	6190c/ 9460 13620 15120 17725 17855
CHINA RADIO INT	0500-0600 NA/Al/As	5960c 6190c/ 7220/ 11880 15350 15465 17505 17540 17725 17855
CHINA RADIO INT	0600-0700 NA/Al/As	6115c/11750 11880/ 11770 13645 15145 15350 15465 17505 17540 17710
CHINA RADIO INT	0700-0800 Eu/As	11785q 17490/ 11880 15125 15350 15465 17540
CHINA RADIO INT	0800-0900 Eu/As	11785q 17490/ 9415 11880 15350 15465 15625 17540
CHINA RADIO INT	0900-1000 Eu/As/Pa	15270 17490 17570/ 9415 15350 17750/ 15210 17690
CHINA RADIO INT	1000-1100 Eu/As/Pa	17490/ 5915 7135 7215 13590 13720 15190 15350/ 15210 17690
CHINA RADIO INT	1100-1200 Eu/NA/As	13665q 17490 / 5960c/ 5955 <6060 9570 11650 11795 13590 13645 13720
CHINA RADIO INT	1200-1300 As	5955 7250 9460 9600 9645 9730 11650 11690 11780> 11980 12080
CHINA RADIO INT	1200-1300 Eu/Pa	13665q 13790 17490/ 9760 11760
CHINA RADIO INT	1300-1400 NA/As	9570h 11885c 15230c/ 5955 7300 9655 9730 9765 9870 11980
CHINA RADIO INT	1300-1400 Eu/Pa	13610 13790/ 11760 11900
CHINA RADIO INT	1400-1500 NA/As	13675c 13740h 15230c/ 5955 7300 9460 9765 9870 11665
CHINA RADIO INT	1400-1500 Eu/Al	9700 9795 /13685o 17630o
CHINA RADIO INT	1500-1600 Eu/Al	9435 9525 / 6100n 13685m 17630o
CHINA RADIO INT	1500-1600 NA/As	13740h/ 5955 6095 7160 7325 9600> 9720 9785 9870
CHINA RADIO INT	1500-1800 Eu	558 via Spectrum Radio London
CHINA RADIO INT	1600-1700 Eu/Al/As	7255 9435 9525 11650/ 6100n 7110 7150 9570 9600/ 6060 7235
CHINA RADIO INT	1700-1800 Eu/Al	6100 7205 7255 7335/ 6100n 7150 9570
CHINA RADIO INT	1700-1800 As	6090 6140 7100 7120 7130 7180 9600
CHINA RADIO INT	1800-1900 Eu/As	<6020 6100 7110 <7265/ 6165
CHINA RADIO INT	1900-2000 Eu/Al	7285/ 7295 9440
CHINA RADIO INT	2000-2100 Af	5985 7295 9440
CHINA RADIO INT	2000-2130 Af	11640o 13630o
CHINA RADIO INT	2000-2100 Eu/As	5960q <7160 7190 7285q 9600/ 7295 9440
CHINA RADIO INT	2100-2200 Eu/Al	5960q 6135 <7120 7160> 7190 7225 7285q 7325> 9600/ 7205 7325
CHINA RADIO INT	2200-2300 Eu/As	7170r/ 5915
CHINA RADIO INT	2300-2400 Eu/NA/As	7350 / 5990h 6040c 11970c/ 5915 6145 7180 9610 11790
VOICE OF CROATIA	0300-0305 Eu NA	3985 7375w
VOICE OF CROATIA	0700-0705 Eu Pa	6165 9470w 11690w
VOICE OF CROATIA	1100-1103 Eu	9830
VOICE OF CROATIA	1700-1715 Eu	6165 Monday to Saturday (Sunday 1700-1705)
VOICE OF CROATIA	1905-1915 Eu	6165 Monday to Friday (Saturday 1905-1910)
VOICE OF CROATIA	2315-2330 Eu NA	3985 7375w
CUBA RADIO HAVANA	0100-0500 NA	6000 6140
CUBA RADIO HAVANA	0500-0700 NA	6000 6060 6140 9550 11760
CUBA RADIO HAVANA	2030-2130 NA	11760 13680
CUBA RADIO HAVANA	2300-2400 CA	9550
CZECH RADIO PRAGUE	0100-0127 NA	6200 7345
CZECH RADIO PRAGUE	0200-0227 NA	6200 7345
CZECH RADIO PRAGUE	0400-0427 NA	6080c 6200 7345
CZECH RADIO PRAGUE	0430-0457 Af ME	9855
CZECH RADIO PRAGUE	0800-0827 Eu	7345 9860
CZECH RADIO PRAGUE	1000-1029 As/Al	15710/ 21745
CZECH RADIO PRAGUE	1000-1029 NA LA	9955 via WRMI
CZECH RADIO PRAGUE	1130-1157 Eu/Al	11640/ 17545
CZECH RADIO PRAGUE	1400-1429 As/NA	11600/ 13580
CZECH RADIO PRAGUE	1500-1527 LA	9955 via WRMI
CZECH RADIO PRAGUE	1700-1727 Eu/Al	5930/ 15710
CZECH RADIO PRAGUE	1800-1827 Eu/Al	5930/ 9400
CZECH RADIO PRAGUE	2100-2127 Eu/As Pa	5930/ 9430
CZECH RADIO PRAGUE	2230-2257 NA/Al	5930/ 9435
CZECH RADIO PRAGUE	2330-2357 NA	5930 7345
EGYPT RADIO CAIRO	0200-0330 NA	7535
EGYPT RADIO CAIRO	1215-1330 sAs	17835
EGYPT RADIO CAIRO	1600-1800 Af	12170
EGYPT RADIO CAIRO	1900-2030 wAl	9310
EGYPT RADIO CAIRO	2115-2245 Eu	6255
EGYPT RADIO CAIRO	2300-0030 NA	6850
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
RADIO FRANCE INT	0400-0430 eAl	7315 9805 Monday to Friday
RADIO FRANCE INT	0500-0530 eAl	9805 11995 Monday to Friday
RADIO FRANCE INT	0600-0630 eAl	7315 11995 13680 Monday to Friday
RADIO FRANCE INT	0700-0730 wAl	11725

RADIO FRANCE INT	1200-1230 Af	21620
RADIO FRANCE INT	1600-1700 Af	11615 15605
Schedule valid until February 28		
RADIO FRANCE INT	0400-0430 eAf	7315 9805 Monday to Friday
RADIO FRANCE INT	0500-0530 eAf	11995 13680 Monday to Friday
RADIO FRANCE INT	0600-0630 eAf	9765 13680 15160 Monday to Friday
RADIO FRANCE INT	0700-0730 wAf	15605 Monday to Friday
RADIO FRANCE INT	1200-1230 Af	21620
RADIO FRANCE INT	1600-1700 Af	15605
Schedule valid from March 1		
GERMANY D WELLE	0000-0100 sAs	7265l 9785l 15595r
GERMANY D WELLE	0300-0400 As	9800l 13810d
GERMANY D WELLE	0400-0500 Af	5905u 5945s 6180k 15600l
GERMANY D WELLE	0500-0530 Af	6180k 7285u 9755k 12045k 15600d
GERMANY D WELLE	0600-0630 Af	5945u 7245s 12045k
GERMANY D WELLE	0900-1000 As	17710l 21840l
GERMANY D WELLE	1600-1700 As	5965l 9560l
GERMANY D WELLE	1900-1930 Af	9735k 11690m 13780l 15275s
GERMANY D WELLE	2000-2100 Af	9545u 9735k 13780l 15275d
GERMANY D WELLE	2100-2200 Af	7280s 9545l 11690k 13780l
VOICE OF GREECE	0005-0100 Eu NA Af	7475 9420 12105 Sunday
VOICE OF GREECE	0700-0800 Eu	12105
VOICE OF GREECE	1105-1200 Eu As Pa	9420 15650 Sunday
KTWR GUAM	0800-0835 Pa	11840 Monday to Friday (Saturday -0815)
KTWR GUAM	0805-0900 sAs	15170 Tuesday, Thursday, Friday (Mon 0835-0900, Wed 0820-0900)
KTWR GUAM	1400-1500 SAs	9975 Tuesday, Wednesday (-1430 Monday, Thursday and Friday)
ALL INDIA RADIO	1000-1100 Pa As	7270 13710 15020 15235 15260 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
ALL 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	6120 7160
VoIR IRAN	1030-1130 seAs	15460 17660
VoIR IRAN	1530-1630 seAs	6160 7330
VoIR IRAN	1930-2030 Eu/Af	6010 6115L 7320 / 9855 11695
IRELAND	1600-2330 Eu	3910 6295 12255 Reflections Europe Sunday
IRRS	0530-0630 Eu ME Af	5990 Monday to Thursday
IRRS	1030-1300 Eu ME Af	9510 Sunday
IRRS	1400-1430 Eu ME Af	15725 Sunday
IRRS	1900-2100 Eu ME Af	7290 Friday, Saturday, Sunday
European Gospel Radio, transmitter believed to be in Slovakia		
RADIO JAPAN	0000-0020 Eu/NA/As	5920w/6145c/13650 17810
RADIO JAPAN	0500-0530 Eu/NA	5975w/6110c
RADIO JAPAN	0500-0530 Af/As	9770F/15325 17810
RADIO JAPAN	0900-0930 As/Pa	11815 15590 / 9625 9825
RADIO JAPAN	1200-1230 NA/Eu/As	6120c/17585d/ 9695
RADIO JAPAN	1200-1230 Pa	9625
RADIO JAPAN	1310-1340 As	9875
RADIO JAPAN	1400-1430 Eu/NA/As	11780w/11705c
RADIO JAPAN	1400-1430 Af/As	21560F/ 9875
RADIO JAPAN	2200-2220 Pa	13640
KOREA KBS WORLD R	0200-0300 LA	9580
KOREA KBS WORLD R	0230-0300 NA	9560c
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	6185 9850/ 6285 9335
VO KOREA PYONGYANG	1300-1400 Fu/NA	7570 12015/ 9335 11710
VO KOREA PYONGYANG	1500-1600 Eu/NA	7570 12015/ 9335 11710
VO KOREA PYONGYANG	1600-1700 ME Af	9990 11545
VO KOREA PYONGYANG	1800-1900 Eu	7570 12015
VO KOREA PYONGYANG	1900-2000 ME Af	7100 9975 11535 11910
VO KOREA PYONGYANG	2100-2200 Eu	7570 12015
RADIO KUWAIT	0500-0800 SAs	15110
RADIO KUWAIT	1800-2100 Fu	11990
LAOS LNR Vientiane	0600-0630 As	7145
LAOS LNR Vientiane	1330-1405 As	7145
LATVIA Latvia Today	1300-1400 Eu	9290 Saturday
LATVIA Latvia Today	0800-0900 Eu	9290 Sunday
Times of transmission variable		
LIBYA VO AFRICA	1400-1600 Af	17725 21695
LITHUANIA R VILNIUS	0030-0100 NA	9875
LITHUANIA R VILNIUS	0930-1000 Eu	9710
LITHUANIA R VILNIUS	2330-2400 NA	7325
VOICE OF MALAYSIA	0600-0830 As Pa	6175 9750 15295
MOLDOVA	1430-1445 Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1515-1530 Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1600-1615 Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1645-1700 Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	2230-2245 NA	6240 Radio Pridnestrovye Monday to Friday
MOLDOVA	2315-2330 NA	6240 Radio Pridnestrovye Monday to Friday
VOICE OF MONGOLIA	0930-1000 As	12085
VOICE OF MONGOLIA	1530-1600 As	12085
TWR MONTE CARLO	0800-0850 Eu	6105w 9800 (Saturday 0815-0850, Sunday 0745-0920)
RADIO NEPAL	0215-0230 As	5005
RADIO NEPAL	1415-1425 As	5005
RADIO NETHERLANDS	1000-1100 As	6040r 9720p 12065T
RADIO NETHERLANDS	1400-1500 As	5825D 9345U 11520t 12080p 15595t
RADIO NETHERLANDS	1500-1600 As	5825D 12080p 15595t
RADIO NETHERLANDS	1800-1900 Af	6020t 7120t 11655t 12045w
RADIO NETHERLANDS	1900-2000 Af	7120t 11655t 11805m 12045w
RADIO NETHERLANDS	2000-2100 Af	7120t 11655t 17810b
NETHERLANDS KBC	2130-2230 Eu	6055L
NETHERLANDS KBC	0200-0300 NA	6110L Sunday
RADIO NEW ZEALAND	0459-0658 Pa	11725
RADIO NEW ZEALAND	0659-1058 Pa	9765
RADIO NEW ZEALAND	1059-1258 Pa	13660
RADIO NEW ZEALAND	1300-1750 Pa	6170
RADIO NEW ZEALAND	1751-1850 Pa	9765
RADIO NEW ZEALAND	1851-2050 Pa	11725
RADIO NEW ZEALAND	2051-2235 Pa	17675
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	9380 11565 15100

PALAU KHBN	0100-0700 As	15680
PALAU KHBN	0700-1000 As	9930 15680
PALAU KHBN	1000-1300 As	9930 12130
PALAU KHBN	1300-1500 As	9930
PALAU KHBN	1800-1900 As	9955
Carries World Harvest Radio programming		
RADIO PILIPINAS	0200-0330 As	11880 15285 17770
PHILIPPINES FEBC	1000-1030 As	15325 Sunday to Thursday
POLAND R POLONIA	1300-1400 Eu NA	7325N 9450w
POLAND R POLONIA	1800-1900 Eu	6015w 7345F
RADIO ROMANIA INT	0100-0200 NA	6145 9515
RADIO ROMANIA INT	0400-0500 NA SAs	6115 9515 9690 11895
RADIO ROMANIA INT	0630-0700 Eu Pa	7180 9690 15135 17780
RADIO ROMANIA INT	1300-1400 Eu	15105 17745
RADIO ROMANIA INT	1800-1900 Eu	7215 9640
RADIO ROMANIA INT	2130-2200 Eu NA	6030 6115 7145 9755
RADIO ROMANIA INT	2300-2400 Eu NA	6015 6115 7105 9610
VOICE OF RUSSIA	0200-0300 NA	6100 6240 7250 12040 13735
VOICE OF RUSSIA	0300-0400 NA	6100 6155 6240 7350 12040 13735
VOICE OF RUSSIA	0400-0500 NA	6135 6155 6240 7150 7335 7350 9840 9855 12030
VOICE OF RUSSIA	0500-0600 NA	6135 7150 7335 7350 9840 9855 12030
VOICE OF RUSSIA	0600-0800 Pa	17665 17805
VOICE OF RUSSIA	0800-0900 As/Pa	15195/ 17665 17805
VOICE OF RUSSIA	0900-1000 As/Pa	15195/ 17665
VOICE OF RUSSIA	1500-1600 As	7260 7350 9660
VOICE OF RUSSIA	1600-1700 Eu/Af	6130 7320 /9470
VOICE OF RUSSIA	1600-1700 As	4965 4975 7260 7305
VOICE OF RUSSIA	1700-1800 Eu	7320
VOICE OF RUSSIA	1700-1800 Af/As	9470/ 4975 6125 7125 9470
VOICE OF RUSSIA	1800-1900 Af/As	7270 7335 11510/ 4975 6125 7335 7270
VOICE OF RUSSIA	1800-1900 Eu	6055* 6175* 6245* 7240 7320 *=Sat, Sun
VOICE OF RUSSIA	1900-2000 Eu/Af	6175 7240 7290 /7335 11510
VOICE OF RUSSIA	2000-2100 Eu	6145 7240 7330
VOICE OF RUSSIA	2100-2200 Eu	6145 7330
S ARABIA R RIYADH	1000-1230 Af	15250
INT RADIO SERBIA	0100-0130 Eu NA	6190 Monday to Saturday
INT RADIO SERBIA	0200-0230 Eu NA	6190
INT RADIO SERBIA	1400-1430 Eu	7200
INT RADIO SERBIA	1930-2000 Eu	6100 7200
INT RADIO SERBIA	2200-2230 Eu	6100 7200
RADIO SLOVAKIA INT	0100-0130 NA LA	7230 9440
RADIO SLOVAKIA INT	0700-0730 Pa	13715 15460
RADIO SLOVAKIA INT	1730-1800 Eu	5915 6055
RADIO SLOVAKIA INT	1930-2000 Eu	5915 7345
S AFRICA CHANNEL AF	0300-0400 Af	3345 7390
S AFRICA CHANNEL AF	0400-0500 Af	7230
S AFRICA CHANNEL AF	0500-0600 Af	7230 9745
S AFRICA CHANNEL AF	0600-0700 Af	7230 15255
S AFRICA CHANNEL AF	0800-1200 Af	9625
S AFRICA CHANNEL AF	1400-1500 Af	9625
S AFRICA CHANNEL AF	1500-1600 Af	9625 17770
S AFRICA CHANNEL AF	1700-1800 Af	15235
S AFRICA CHANNEL AF	2000-2200 Af	3345
S AFRICA R LEAGUE	0800-0900 sAf cAf	7205 17860 Sunday
S AFRICA R LEAGUE	1905-2005 sAf	3215 Monday
REE SPAIN	0000-0100 NA	6055
REE SPAIN	1900-2000 Eu Af	9605 9690 Monday to Friday
REE SPAIN	2200-2300 Eu	6125 Saturday and Sunday
SLBC SRI LANKA	0100-0330 As	6005 9770 15745

SWAZILAND TWR	0430-0500 Af	3200 4775 Monday to Friday
SWAZILAND TWR	0500-0800 Af	4775 6120 9500
SWAZILAND TWR	0600-0645 Af	11640m (-0615 Saturday and Sunday)
SWAZILAND TWR	0800-0900 Af	6120 9500
SWAZILAND TWR	1423-1625 Zim	4760 Shona, Ndebele and English programmes
SWAZILAND TWR	1700-2030 Af	3200
SWAZILAND TWR	1730-1900 Af	9500
RADIO SWEDEN	0230-0300 NA	6010c
RADIO SWEDEN	0330-0400 NA/As Pa	6010c/ 11550t
RADIO SWEDEN	1330-1400 As Pa	7465
RADIO SWEDEN	1430-1500 Eu As Pa	9400
RADIO SWEDEN	1530-1600 Eu Af ME	9360
RADIO SWEDEN	2030-2100 Eu Af ME	9895t
RADIO SWEDEN	2130-2200 Eu Af ME	7395t
RADIO SWEDEN	2230-2300 Eu Af ME	5850
SYRIA R DAMASCUS	2100-2200 Eu NA	9330
R TAIWAN INT	0100-0200 As	11875
R TAIWAN INT	0200-0300 NA	5950f
R TAIWAN INT	0300-0400 SEAs	15320
R TAIWAN INT	1100-1200 SEAs	7445
R TAIWAN INT	1600-1700 As	11550 9785F(to Feb 28) 11995F(from March 1)
R TAIWAN INT	1700-1800 Af	11850F(to Feb 28) 15690F(from March 1)
R TAIWAN INT	1800-1900 Eu	3965F
TAJIKISTAN VO TAJIK	0900-1000 ME	7245
TAJIKISTAN VO TAJIK	1700-1800 ME	7245
RADIO THAILAND	0000-0030 Af	9680
RADIO THAILAND	0030-0100 NA	12095
RADIO THAILAND	0200-0230 NA	15275
RADIO THAILAND	0530-0600 Eu	11730
RADIO THAILAND	1230-1300 As Pa	9810
RADIO THAILAND	1400-1430 As Pa	9725
RADIO THAILAND	1900-2000 Eu	9805
RADIO THAILAND	2030-2045 Eu	9535
VOICE OF TURKEY	0400-0500 Eu NA As	6020 7240 7325c
VOICE OF TURKEY	1330-1430 Eu As Pa	11735 12035
VOICE OF TURKEY	1930-2030 Eu	6050
VOICE OF TURKEY	2130-2200 As Pa	7180
VOICE OF TURKEY	2300-2400 Eu NA	5960
UK BIBLE VOICE	0030-0100 SEAs	6030w Friday, Saturday, Sunday
UK BROADCASTING	0800-0915 WEu	5945w Sunday (0815-0900 Friday, 0800-0915 Saturday)
UK NETWORK	1015-1045 Korea	5985r Sunday
UK	1115-1130 China	5950r (Saturday and Sunday 1115-1200)
UK	1400-1500 SEAs	11695N Saturday and Sunday
UK	1500-1530 SEAs	11895N Saturday
UK	1530-1600 SEAs	12035J Thursday, Saturday
UK	1630-1915 ME	9460N Sunday (1645-1700 Mon, 1645-1720 Tu, 1645-1715 We, Th, Fri 1730-1745 Th, 1830-1900 Fri, 1645-1830 & 1800-1830 Sat)
UK	1800-1815 Iran	7210J Saturday
UK	1830-1900 ME	6110w Sunday (Sat 1800-1900)
UK	1845-2000 Af	7260J Sunday
UK	1900-2000 EEU	6015w Sunday (Sat 1900-1945)
UK	1900-1945 ME	9470w Sunday (Fri 1930-2000, Sat 1900-1930)
UK	1900-1930 Af	7245w Sunday
UK CHRISTIAN V	0400-0600 Waf	7160Z
UK CHRISTIAN V	0500-1500 Saf	6065Z
UK CHRISTIAN V	0600-1400 Waf	13590Z
UK CHRISTIAN V	1400-1800 Eaf	15745J
UK CHRISTIAN V	1400-1700 Waf	13650Z
UK CHRISTIAN V	1700-2200 Waf	9420Z
UK CHRISTIAN V	1800-2100 Eaf	11775J
UK CHRISTIAN V	1500-0500 Saf	4965Z
UK FEBA	1400-1430 SEAs	12045d Sunday

RADIO UKRAINE INT	0100-0200 NA	7440 9785
RADIO UKRAINE INT	0400-0500 NA	7440
RADIO UKRAINE INT	0600-0700 Eu	7440 15635
RADIO UKRAINE INT	1000-1100 Eu	9950 15635
RADIO UKRAINE INT	1200-1300 Eu	9950 15635
RADIO UKRAINE INT	2000-2100 Eu	7510 9785
RADIO UKRAINE INT	2100-2200 Eu	5830 9785
USA KJES	0200-0330 NA	7555
USA KJES	1400-1600 NA	11715
USA KJES	1900-2000 Pa CAm	15385
USA KNLS	0800-0900 FE	9615
USA KNLS	1000-1100 FE	6150
USA KNLS	1200-1300 FE	6150 6915
USA KNLS	1400-1500 FE	6150
USA OVERCOMER	1400-1500 Eu ME	6110J 13810J
USA MINISTRY	1500-1600 Eu Af	6110J 17485J
USA	2100-2200 Eu	6175w
USA PAN AMERICAN	0030-0045 SEAs	6165w Sunday
USA BROADCASTING	1400-1430 As	13645w (-1445 Sunday)
USA	1600-1630 As	9850J Thursday, Sunday
USA	1930-2015 ME	6020w Sunday (Friday 2000-2030, Saturday 1930-2030)
USA VOA	1400-1500 Eu ME	9480 15205
USA VOA	1500-1600 Eu ME	9685 11765
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 9885 15580
USA VOA	0600-0700 Af	6080 9885 15580
USA VOA	1400-1500 Af	4930 6080 15580 17715 17750
USA VOA	1500-1600 Af	4930 6080 15580 17715 17895
USA VOA	1600-1700 Af	4930 6080 15580 17715 17895
USA VOA	1700-1800 Af	6080 13710 15580* 17895 * = Sat, Sun
USA VOA	1800-1900 Af	4930> 6080 11975 13710 15580 17895> (Sat&Sun 4930 1800-)
USA VOA	1900-2000 Af	4930 4940 6080 11975 13710 15580 17895
USA VOA	2000-2100 Af	4930 <6080 11975 13710 (Sat, Sun 4940 used 2030-2100)
USA VOA	2100-2200 Af	6080 15580
USA VOA	2030-2130 Afg	7595
USA VOA	2130-0030 Afg	7405
USA VOA	0100-0200 FE SAs Pa	7325 9435 11705
USA VOA	1200-1300 FE SAs Pa	9345 9640 11705 11730 15190
USA VOA	1300-1400 FE SAs Pa	9345 9640 9760 11705
USA VOA	1400-1500 FE SAs Pa	7125 9760 11885 12150
USA VOA	1500-1600 FE SAs Pa	7125 9590 11525 12150 13735
USA VOA	2200-2300 FE SAs Pa	5910 6105 7220 7425 7480 9490 11610
USA VOA	2300-2400 FE SAs Pa	6105 7220 7265 7480 9490 11610
USA VOA	1800-1830 Zimbabwe	4930 12080 15775 Monday to Friday
USA WBCQ	0000-0200 NA	5110 (-0400 Monday)
USA WBCQ	0300-0500 NA	9330
USA WBCQ	1500-1700 NA	9330
USA WBCQ	1800-2200 NA	15420 (-2230 Wednesday)
USA WBCQ	1900-2000 NA	9330 Monday to Friday
USA WBCQ	1900-0530 NA	7415 Monday to Friday (Sat 2300-0500, Sun 2000-0400)
USA WBOH	0000-2400 NA	5920 Spanish and English
USA WEWN	0000-0300 Af	11520
USA WEWN	0300-0900 Af	9455
USA WEWN	0900-1200 SEAs	9390
USA WEWN	1200-1700 NA	5755
USA WEWN	1700-2000 Eu	15610
USA WEWN	2000-2400 ME	11520
USA WHRI	0000-0200 EuAf NA	5850 5875 7315 7385
USA WHRI	0200-0300 EuAf NA	5850 5875 7315 7450
USA WHRI	0300-0500 EuAf NA	5850 5875 7315 7385
USA WHRI	0400-0500 EuAf NA	5850 7315 7365
USA WHRI	0500-0600 EuAf NA	5875 7315 7385 7465 11565
USA WHRI	0600-1000 EuAf NA	5875 7315 7385 11565

USA WHRI	1000-1100 EuAf NA	7315 7385 9865 11565
USA WHRI	1100-1200 EuAf NA	5875 7315 7385
USA WHRI	1200-1300 EuAf NA	7335 7385 9410
USA WHRI	1300-1400 EuAf NA	9495 9840 11785 15665
USA WHRI	1400-1500 EuAf NA	9495 9840 11785
USA WHRI	1500-1600 EuAf NA	9495 9840 11785 13650 15665
USA WHRI	1600-1800 EuAf NA	9495 9840 11785 17650
USA WHRI	1800-1900 EuAf NA	9495 9840 11785 13730 15665 17650
USA WHRI	1900-2000 EuAf NA	9495 9840 11785 13730 17650
USA WHRI	2000-2100 EuAf NA	7520 9495 9515 11740 11785 15665
USA WHRI	2100-2200 EuAf NA	7315 7520 9525 11785
USA WHRI	2200-2300 EuAf NA	7335 7520 9615 11785
USA WHRI	2300-2400 EuAf NA	5850 5875 7315 7335

Some frequencies not used daily

USA WINB	1100-1500 NA	9265
USA WINB	1500-2200 NA	13570
USA WINB	2200-0400 NA	9265

From March 8 schedule is 1000-1400 9265, 1400-2100 13570, 2100-0300 9265

USA WMLK	1600-2100 Eu ME	9265 Monday to Saturday
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USA WRMI	0000-0200 LA	9955
USA WRMI	0200-0400 NA	9955 Tuesday to Saturday (beamed to Latin America Sun and Mon)
USA WRMI	0400-1500 LA	9955
USA WRMI	1500-1700 NA	9955
USA WRMI	1700-2400 LA	9955

Station carries both English and Spanish programming

USA WRNO Station has been testing on 7505. Plans to start regular broadcasts, registered on 7505 2300-1600 and 15590 1400-2300

USA WTJC	0000-2400 NA	9370
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USA WWCR	0000-0100 NA	5070 5935 7465 9980 13845
USA WWCR	0100-0200 NA	5070 5935 7465 9980
USA WWCR	0200-0300 NA	3215 5070 5890 5935 7465
USA WWCR	0300-0900 NA	3215 5070 5890 5935
USA WWCR	0900-1000 NA	3215 5070 5890 5935 9985
USA WWCR	1000-1100 NA	5070 5890 5935 7490 9985 15825
USA WWCR	1100-1200 NA	5890 5935 7490 9980 15825
USA WWCR	1200-1300 NA	5935 7490 9980 13845 15825
USA WWCR	1300-1600 NA	7490 9980 13845 15825
USA WWCR	1600-1700 NA	7490 9980 12160 13845 15825
USA WWCR	1700-2100 NA	9980 12160 13845 15825
USA WWCR	2100-2200 NA	7465 9980 12160 13845 15825
USA WWCR	2200-2300 NA	5070 7465 9980 12160 13845
USA WWCR	2300-2400 NA	5070 7465 9980 13845

Registered schedule, station will use 4 of the above frequencies at any one time

USA WWRB	0000-0500 NA	3185 5050 5745 6890
USA WWRB	0500-1200 NA	3185
USA WWRB	1200-1300 NA	3185 6890
USA WWRB	1300-1500 NA	6890 9385
USA WWRB	1500-1600 NA	9385
USA WWRB	1600-1700 NA	9385 9430
USA WWRB	1700-2200 NA Eu Af	9385 9430 12180 15250
USA WWRB	2200-2300 NA Eu Af	6890 9385 9430 12180 15250
USA WWRB	2300-2400 NA	6890

Schedule subject to daily variations dependent on time booked

USA WYFR	0000-0100 NA/LA	5950 6085 9505 15440 /11720
USA WYFR	0100-0200 NA	5950 7455 9505 15440
USA WYFR	0200-0300 NA/LA	7455 9505 9525 9680/ 5985 11855
USA WYFR	0300-0400 NA/LA	7455 9505 /9985 13615
USA WYFR	0400-0500 NA	5950 6915 7455 9505 9680
USA WYFR	0500-0600 NA	5950 6915 9680
USA WYFR	0600-0700 NA/LA	9680 / 6000
USA WYFR	0600-0700 Eu/Af	5745 11530 /11580
USA WYFR	0700-0800 NA/LA	5950 6915 7455 / 9495
USA WYFR	0700-0800 Eu/Af	5745 / 9985
USA WYFR	0800-0900 NA/Af	5950 6915 7455 / 9985
USA WYFR	0900-1000 NA/As	5950 6915 7455 / 9465v
USA WYFR	1000-1100 NA/As	5950 6890 6915 7455/ 9460r 9465v

USA WYFR	1100-1200 NA/LA	5950 6890 7455 / 6000 11725 11830
USA WYFR	1200-1300 NA/LA	6890 7455 11970 / 11530
USA WYFR	1300-1400 NA/As	7455 11830 11855 11970 / 7175r 7560A 11560v
USA WYFR	1400-1500 NA	11565 11855 13695 17760
USA WYFR	1400-1500 As	6225U 7560A 9485r 11560v
USA WYFR	1500-1600 NA/LA	11565 11855 17760 / 15210
USA WYFR	1500-1600 As	6280v 12015d
USA WYFR	1600-1700 NA/LA	11565 11830 13695 17760 / 6085
USA WYFR	1600-1700 Eu/Af/As	18980 21455 / 17690 / 11730d
USA WYFR	1700-1800 Eu/Af/NA	18980 21455 / 21680a / 13695 17555
USA WYFR	1800-1900 Eu/Af	7240u 18980 / 6045n 7395t 9895d 15115
USA WYFR	1800-1900 NA	13695 17535 17555
USA WYFR	1900-2000 NA/LA	13695 17535 17555 / 6085
USA WYFR	1900-2000 Eu/Af	15565 18980 / 3230n 6020t 7395t 9480w 9895d 15115
USA WYFR	2000-2100 Eu/Af	5745 / 6020t 9480w 15115 15195a
USA WYFR	2000-2100 NA/LA	17535 17555 / 17575
USA WYFR	2100-2200 Eu/Af/NA	6240K 18980 / 9480w 15115 15195a / 5950 17535 17555
USA WYFR	2200-2300 NA/Af	5950 11740 15440 / 17690
USA WYFR	2300-2400 NA/LA	5950 11740 15440 / 9430 15400

VATICAN RADIO	0140-0200 As Pa	5915 7335
VATICAN RADIO	0250-0320 NA	6040 7305
VATICAN RADIO	0300-0320 As	12070r
VATICAN RADIO	0300-0330 Af	7360 9660
VATICAN RADIO	0500-0530 Af	7360 9660 11625
VATICAN RADIO	0600-0620 Eu	1530 4005 5965 7250
VATICAN RADIO	0630-0700 Af	7360 9660 11625
VATICAN RADIO	0730-0745 Eu AsPa	4005 5965 7250 9645 11740 15595
VATICAN RADIO	1515-1530 As Pa	9310 11850 13765
VATICAN RADIO	1715-1730 Eu As Af	4005 5885 7250 7290 9645
VATICAN RADIO	1730-1800 Af	9755 11625 13765
VATICAN RADIO	2000-2030 Af	7365 9755 11625
VATICAN RADIO	2050-2120 Eu	4005 5885 7250

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	1800-1830 Eu	5955M
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



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NASWA Sweatshirts Return of a favorite in NASWA blue with the club logo.	16.00 S-XL XXL s/h US s/h Can.
NASWA Coffee Mugs 11 oz. white mug with the club logo on two sides. Return of a favorite with the club logo in NASWA blue.	+4.60 s/h US s/h Can.
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