

The **NASWA** Journal

VOLUME XLVIII NUMBER 1

JANUARY 2008



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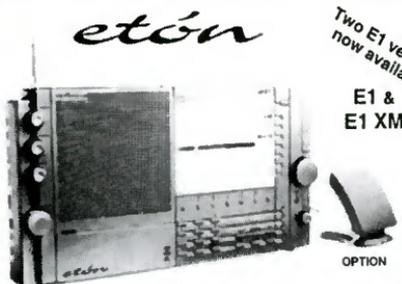
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[07-09]



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NASWA Notes

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

Happy New Year! Hopefully, the New Year will bring us some sunspots to enhance our shortwave listening experience.

The Reading Area DXers had another meeting on Friday, November 30th. This was the second meeting for this newly formed group with **Rich Cuff**, **Mark Ferrioli**, **Ron Hunsicker**, **Ed Mauger**, **Dave Turnick**, and me in attendance. Plans were made for future meetings including the next one which is scheduled for January 18th. The Reading "area" is rather large so please

feel free to travel to one of our meetings. Mark Ferrioli comes from the Philadelphia area and Rich Cuff lives in Allentown. So, if you live near Lancaster or west toward Harrisburg, maybe you should consider one of our meetings. After two meetings the format appears to be to gather at a casual restaurant for food, drink and good conversation. Although I will try to post the next meeting in the *Journal* prior to the meeting (see the *Calendar of Events* for details about the upcoming January 18th gathering), so far we have not been making arrangements more than a few days ahead of the meeting. So, if you are interested in attending, please contact me. Captured for posterity is a group photograph of the event featuring from left to right: Rich Cuff, Ed Mauger, Mark Ferrioli, Ron Hunsicker, Rich D'Angelo, and Dave Turnick.

Long time NASWA stalwart **Dan Ferguson** is stepping down as editor of the *Tropical Band Loggings* column. Dan has held many different jobs for the club including helping to keep the club alive when Bill Eddings passed away some thirty-five years ago. His many

accomplishments in a variety of roles over the years would make a very long list. Sufice to say without Dan's involvement over the years the club would have fallen by the wayside decades ago. We owe a lot to people like Dan Ferguson who made the time and effort and sacrifices to effectively lead the club during an important transition. Dan brought offset printing, which is taken for granted these days, to the monthly bulletin providing an opportunity to incorporate photographs into the pages of the old



Frendx bulletin. Dan's last column appears this month. Thanks Dan! Replacing him as editor will be **Scott Barbour** of Intervale, New Hampshire. Many know Scott based upon his active role as a contributor to musings, the *Flashsheet*, the *QSL Report* and the *Log Report*. Scott's first column will be next month so get those loggings to him. Welcome abroad Scott! Have we seen the last of Dan Ferguson? Not likely based on this message I received recently: "You guys probably aren't really rid of me—for almost 40 years I have a history of showing up again, like a horrible nightmare!" We would welcome the nightmare anytime it wants to return!

Our Motto: Unity & Friendship

Dan Cashin (Dcscpk@aol.com) is looking toward re-energizing the Philadelphia area meetings. Held for many years at the same hotel as the Winter SWL Festival, it was always a good landmark. Maybe it is time for a change of venue? Anyway, Dan would love to hear from members interested in getting another round of meeting off the ground. Everything is fair game from location, to starting time, to format, etc. If you have an interest, please contact Dan Cashin (Dcscpk@aol.com or 610-446-7831). Let's see if we can get the Philly area up and running in 2008. Please contact Dan to let him know if you are interested in club gatherings on a periodic basis... monthly, 6 times a year, etc.

A. J. Janitschek, Production Support at Radio Free Asia (RFA), informs us that RFA is introducing its 20th QSL card commemorating 2008 as the Year of the Rat. The rat is one of the twelve animals used in the Chinese zodiac. Those born in the year of the rat are considered ambitious, meticulous, industrious and sociable. This new card will be issued for all valid RFA reception reports for January 1st through March 31, 2008. Reception reports can be sent to them at www.techweb.rfa.org or by e-mail at qsl@rfa.org or the old fashion postal method at Reception Reports, Radio Free Asia, 2025 M Street, Suite 300, Washington, DC 20036.

The 2007 Association for International Broadcasting (AIB) Media Excellence Awards were presented on 20 November 2007 at a ceremony attended by more than 150 media executives, journalists, editors, regulators and satellite operators from every continent gathered at Clothworkers' Hall in the City of London. The event was hosted by Mishal Husain, one of the anchors on BBC World. Some of the more interesting radio-related awards among the 12 winners were: Clear-est coverage of a single news event—radio: BBC World Service for Israel-Lebanon war. Best topical programme—radio: BBC World Service for Ghana: African Perspectives; and, AIB International station of the year—radio: Radio New Zealand International. Congratulations to long time favourite station Radio New Zealand International for this recognition.

Shawn Wickens who is the creator of 30,000 kiloHertz of Sound, sent word through Bill Oliver stating, "I am involved with a theater group who creates improvised shows incorporating shortwave radio transmissions. We have recently started a website <http://www.30000khz.com/> that includes audio files of some of our past shows. Perhaps this would be of interest to some of your readers. Feel free to email me if you have any questions or comments about our New York show. Thanks for your time." Shawn's e-mail address is shawn.wickens@gmail.com. I would be interested in any member feedback through a musing.

Our friends at the New Zealand Radio DX League began their 60th year of operation in November. This will be the club's 60th year of continuous publication of the excellent monthly *New Zealand DX Times*. **David Ricquish** wrote an interesting feature that appeared in the club's December bulletin providing some of the interesting history of the club. Although officially formed in October 1948, the club can trace its history back to June 1931 when the NZ DX Club was formed in association with a weekly radio program. Initially, it was run as a commercial venture before radio hobbyists took over operations. Internal squabbles lead to the formation of the club that we now know. In total that would make it 76 years of continuous publication. Over 700+ issues later, the club is still going strong. Congratulations to the officers, editors and members of the New Zealand Radio DX League.

Thanks to **Jerry Berg**, we learned about a press release from the DRM Consortium that open up the tropical bands for this new technology. Here are the pertinent portions of the press release: "Since 2002 Digital Radio Mondiale's (DRM) system has been endorsed by the ITU for broadcasting over the world in the long-wave, medium-wave and short-wave frequencies, with the exception of the 'tropical zone' bands. The tropical zone bands are the frequencies near the lower end of the shortwave spectrum that are reserved for domestic (national) broadcasting. It includes countries located roughly in latitudes between 30 degrees North and South like Indonesia, India, Pakistan, Iran, Egypt, Congo, South Africa,

Mexico, Brazil, and many others countries are concerned. At the last World Radiocommunicator Conference (WRC) of the ITU in Geneva, the conference officially approved DRM system in the broadcasting bands between 3200 and 5900 kHz for domestic coverage in the 'tropical zone' countries. This major regulatory achievement opens up a huge market for the benefit of the citizens from this part of the world. The DRM Consortium is very pleased with this outcome that 'the recognition of the DRM system is now totally worldwide for all digital radio applications of various types around the world in the traditional broadcasting bands below 30 MHz—long-wave, medium-wave and short-wave' said Dr. H. Donald Messer, DRM representative at WRC."

The latest database and PDF editions of **Bruce Portzer's** shortwave *Pacific Asian Log* are now online at www.radioheritage.net. All the latest changes, new stations, new formats and much more. Thousands of SW radio stations covering the entire Asian Pacific region. Online search possibilities. Access remains complimentary 24/7 for worldwide users. This is the most comprehensive listing freely available anywhere online. Well over 23,000 data entries.

RMRC Frankfurt has now published its third edition of its decorative QSL card wall calendar with some of the best and rarest QSL cards of the last 30 years. The 2008 beautiful calendar is targeted for shortwave listeners from around the world. The cost of the 2008 QSL card calendar of the RMRC Frankfurt is only 15 Euro or US\$20.00. You can order from www.rmrc.de.

Don't forget to get your copy of *The World QSL Book* (ISBN: 978-0-9796311-0-8) by **Gayle Van Horn, W4GVH**, which was recently released by Teak Publishing of Brasstown, North Carolina, is 528 pages in a handy CD format; it is not a traditional paper book! The first 92 pages contains of useful hints on how to get QSLs from all kinds of radio stations such as International and Domestic broadcasters on shortwave, medium wave, FM, TV, Amateur Radio Stations, Utility Stations, Time and Frequency Stations, Pirate and Clandestine Stations. The remainder of the book lists the

latest known postal and e-mail addresses and websites of stations. *The World QSL Book* by Gayle Van Horn is available through **Jim Strader** (74 Miller Street, Middleborough, MA 02346-3216; e-mail at jimstrader@msn.com) at the Company Store for \$18.95 plus \$3.00 shipping and handling.

Also, **Andreas Schmid**—QSL Editor for the Danish Shortwave Radio Club and curator of the Pennant Museum—is offering *Radio Pennants of the World*. It is an HTML multimedia CD in English with a comprehensive listing of radio station pennants from all over the world. Nearly 2800 pennants from 102 countries out of the Pennant Museum are described and pictured. All pennants can be looked at in the enlarged view via a comfortable navigation system where you can choose continents, countries and stations. A short preview is available at <http://www.addx.org/pennants/>. *Radio Pennants of the World* is available for US\$45.00 or 30 Euros which includes shipping and handling. For further information contact Andreas Schmid at schmidandy@aol.com or via postal mail at Lerchenweg 4, 97717 Euerdorf, Germany.

The new DX season is in full swing but are you getting the latest hot information about what is happening on the shortwave bands? Having the club's electronic *Flashsheet*, now over 300+ issues old, in your hands each week you will be up to date with news and information about the DX scene as the season progresses. If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on timely news and information that will enhance your shortwave listening pleasure. It is now time for you to get on the distribution list for the club's electronic *Flashsheet* to stay up-to-date. The changing DX conditions will bring different DX opportunities and new listening targets. The club's electronic *Flashsheet* helps members stay on top of the action with breaking shortwave news and information. 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. Each week the electronic *Flashsheet* brings a lot of exciting, late breaking DX news and information to our members. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news. This is a service that is only available to our members. Deadlines are posted in the *NASWA Flashsheet* each week.

Once again, I have a handful of wayward Flashsheeters. Please contact me with any change of e-address so I can continue to send the *Flashsheet* to you each week: **Bruce**

Danielson, Robert Tupaj, Lawrence Sweeney and Joe Yadsko.

Please remember to direct all communications about subscriptions, bulletin delivery issues, winter vacation ideas, the use of PayPal as a payment method, etc. to **Bill Oliver** at the club's Levittown address or to his electronic address, weoliver@comcast.net. The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquiries sent to Wyomissing only slow down the process. Thanks!

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

FRENDX: Twenty-Five Years Ago (January 1983)

In the *Headquarters Report*, Bill Oliver announced that John T. Arthur was appointed to replace Peter Schipelliti as the new editor for *Log Report "C"*. George Sherman was offering the new 1983 edition of the *NASWA Tropical Band Guide* which covered 2000–5900 kHz based on log reports from February 1976 through January 1983 for US\$3.00. In Chris Hansen's *Shortwave Center*, Don Jensen's "On to the Top" series continued. Also, Don supplied information about the early history of the club which adopted the name *Frendx* through a competition held by Bill Eddings—the club's *Friendship Corner* editor at that time—in which member Bill Harris provided the winning entry (incorporating FREN for friendship and X for DX). In *Vintage Vignettes*, editor Bill Taylor continues his list of vintage receiving equipment with emphasis on the National line. Vincent Pinto provided a comprehensive review of the Icom IC-R70 communications receiver. David K. Maxfield provided the Index for *Shortwave Center* 1982. Glenn Hauser resumed *Listener's Notebook* in alphabetical order after last month's "disorganized" approach. In the *QSL Report*, editor Sam Barto noted that 101 countries were reported. In his Update column, editor Tom Alleman noted that he has forwarded requests for information about the hoax club the "National Union of Radio DXers" to the United States Attorney to conduct an investigation into fraudulent conduct. Terry Colgan says goodbye in his final *Log Reporters* column before heading over to ANARC as its new Executive Secretary with Nick Pappas as his replacement. 

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: 4621 C Street, Philadelphia, PA 19120). **Note: this is a new postal address as of July, 2007!** He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: rmonty23@verizon.net.

Calendar Of Events

- Jan 11 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcsckp@aol.com. Dan is looking to re-organize these gatherings so please contact him to re-establish these meetings.
- Jan 11 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctcreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>
- Jan 13 Meeting.** Briarcliffe College (1055 Stewart Avenue, Bethpage, NY) will be holding **Ham Radio University 2008 (HRU)** on Sunday, January 13, 2008 at 9:00 AM local time. Forums, exciting displays and presentations and live operating events are scheduled. The event is also the American Radio Relay League (ARRL) NYC/LI Section Convention and other forums will cover some new twists on contesting, low-power operating and many other aspects of ham radio. The keynote address will be by Gordon West WB6NOA, who is flying in from California especially for HRU. Check the website (<http://www.hamradiouniversity.org>) for updates on forums and other news. Further information is available from Diane Ortiz K2DO, HRU 2008 Committee, K2DO@arrl.net, 631-691-1801.
- Jan 18 Meeting. The Reading Area DXers** will hold another of its periodic meetings at Stopper's at 6521 Perkiomen Avenue in Exeter Township (on 422 east of Reading). 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.
- Jan 21 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>curt@nerdster.net.
- Feb 4-8 Conference.** The next **ABU-HFCC shortwave coordination conference** for the A08 season will be held in Kuala Lumpur, Malaysia from 4-8 February 2008. VT Communications, an NASB associate member, will be hosting.
- Feb 9 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX)** meets at the Lebanon Citizens' National Bank (LCNB), 425 West Central Avenue (Ohio 73), Springboro, Ohio at 7:00 PM. For more information contact Mark Meece at 937-743-8089 or e-mail at <antennapig@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- Mar 7-8, 2008 Convention.** The **21st Annual Winter swl Festival**, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 7th and 8th March 2008. 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!
- Aug 16, 2008 Convention. 2008 Madison-Milwaukee Radio Get-together.** The 15th Annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts will take place on Saturday, August 16, starting at 1 PM CDT. This year's venue is Milwaukee WI, and Tim Noonan will be hosting. Further information will be released as it becomes available.
- Sep 5-7, 2008 Convention.** The **2008 European DX Council Conference** is scheduled for Vaasa, Finland on 5-7 September 2008. Former EDXC Secretary General Risto Vahakainu of the Finnish DX Association is coordinating the event. Further information will be made available at a later date.

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!

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

Ross Comeau, Andover, MA

Since installing a new antenna and a grounding system (with the help of old friend Andy Wallace), the overall noise level is reduced, stations are coming in, and often coming in much better, and the R-8's potential as a longwave machine is being realized. Have heard a number of other longwave stations, not just the usual (.162, .183, and .198), and even in the late afternoon. Never experienced this before! 60 meter band is now much more worthwhile since installing the ground system.

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

Once again a great time of fellowship was had by all in attendance on Friday evening November 30th at the second gathering of 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—I drove 60 miles from Philadelphia to be present—It would be great to see some members attending from Lancaster and Harrisburg areas as well—All are invited) which was held on this occasion at 'Stoppers Pub' located at 6421 Perkioman Avenue in Exeter Township, PA (The pending January 18th, 2008 gather is also to be held at the same location). In attendance were our Executive Director Richard A. D'Angelo, 'Easy Listening' NAWSA Journal Columnist Richard Cuff, Dr. Mark J. Ferrioli, Ron Hunsicker, Ed Mauger, and Dave Turnick. We greatly enjoyed viewing long back issues of the 'World Radio and Television Handbook' on Richard A. D'Angelo's laptop computer, again seeing old copies of 'Radio News and Short Wave Radio' magazine from as far back as the 1930's (I even got to borrow a 'January 1936 Vol. 17, No.-#7 Issue' to read in depth from Ed Mauger who brought them), and we even heard a 'Radio Netherlands Broadcast' on a tiny 'Short Wave Portable Radio!' Of course, the 'Food and Beverages' were tremendous! Great steaks and seafood! To be sure, there was also lots of 'Short Wave Radio Talk' concerning programming, antennas, stations, radios, etc., etc. Truly a great opportunity for enjoyment and learning as well! Please let Richard A. D'Angelo know if you plan to attend the next 'Dinner / Gathering.' It would be great to meet you there!

Jim Ronda, Tulsa, OK

An especially rewarding listening week for me with a nice opening to Brazil, ELWA, and three AIR frequencies. Many thanks to Mark Taylor and Jerry Strawman with a great listening session early on Saturday morning (11/17).

Many thanks to Mark Taylor and Jerry Strawman for two great listening sessions this week (11/25). Sessions like these have greatly enhanced my enjoyment of the hobby and I recommend them to others. The Wisconsin-Iowa-Oklahoma line-up continues to be a great way to hear the world.

60 and 90 meters have been disappointing this week; the best listening at least here in Tulsa has been on 31 and 41 meters with 41 meters being often the most productive. Right now my antennas are weathering the first ice storm of the season.

Mark Taylor, Madison, WI

This week has been productive for 90 and 60 meters. Good openings for several nights in a row! Thanks to Jim Ronda and Jerry Strawman for the good joint session on 11/17/07.

Bill Tilford, Chicago, IL

General comment: The Balkans aren't coming in too well here in the heartland right now but Africa is just great!

Scott Barbour, Intervale, NH

Very favorable listening conditions the past few evenings, here in the mountains. Hopefully the trend continues.

Gerry Dexter, Lake Geneva, WI

A quite active and profitable DX week, topped off by a great visit with Mark Taylor.

St. Helena was not heard here despite regular checks from 1732 \ through 2308. Based the number and geo-spread of other receptions there now seems no doubt my antenna is suffering from tired wire and a spring fix needs to be scheduled!

Toshi Ohtake ohtaket@yahoo.co.jp, Tokyo, Japan

The topic for this month is EDXC 2007 held at Lugano, Switzerland from 1 through 4 of November. The first day was registration and get together at the hotel bar. On Friday, 2nd of November, the Conference started with the speech of Dr. VENTURI, the Deputy Mayor of the City of Lugano, actually the city of "Paradiso" or Paradise, next to Lugano. He was very glad to see so many conference participants at Hotel Dischma.

During his presentation he spoke about the City of Lugano and also about Switzerland as well. Lugano has 55,000 inhabitants + 38,000 visitors at the peak season and is the 3rd Financial City of Switzerland.

The first speaker was Mr. Jeff White from Radio Miami International. He spoke about his Radio Miami International, the NASB (North American Shortwave Broadcasters) and about the State of the Art of DRM in the U.S. Next speaker was Mr. Anker Petersen of DSWCI giving an interesting speech on the subject: DX-ing in the High Andes. This was a summary about his visits to South America in three different occasions. He showed us the most excellent color pictures about this fascinating part of the World, the High Andes. After Mr. Petersen, very exciting lecture was given by Mr. Bob Zanotti, the former Swiss Radio International announcer and DX-editor. He spoke for one and half hours about his personal views during the closure period of the Radio Station. He worked 32 years at the Swiss Radio International, and after that period the Radio Station was closed down. And this happened in spite of the fact of the huge interest from the listeners for the world famous radio programmes like "The two Bobs" or "Swiss Merry go Around". These programmes were very popular among the shortwave listeners. Bob Zanotti meant, that the Swiss politic killed this fine Radio Station because of short sighted economic interests. He also mentioned that this Radio killing work was carried out by persons, who had absolutely no idea about dealing with a Radio Station. Furthermore Bob Zanotti presented his company: "Switzerland in Sound". You can see his excellent web--page: www.switzerlandinsound.com And finally he gave a report about his involvement in Radio Relay Service in Italy. (IRRS). Bob Zanotti and his very personal emphasis was one of the best part of the lecture session.

After that Mr. Risto Vahakainu announced the 2008 EDXC Conference to be held in the Finnish City of Vaasa (West Coast of Finland) on 5-7 September, 2008. At the same time they will be also celebrating the 50th Anniversary of FDXA—Suomen DX—Liitto, which

was founded in the year 1958. After that Mr. Robert Kipp spoke about his St. Helena project last year in October/November. He was personally involved there on the spot. There is a new Shortwave Transmitter and a new log periodic antenna . The financial coverage came from Shortwave Clubs, but also through voluntary work. Robert, who is a Ham enthusiast, helped the putting up and installation of the antenna.

On Saturday, November 3 we went to a sightseeing tour with English speaking guide, showing us this beautiful City of Lugano. We went by bus, but also walking around. We continued after that by the same bus, taking us to Radiotelevisione Svizzera di Lingua Italiana. A very modern Radio Station, and we have been welcomed there by very friendly Radio people. They showed us around and we visited 4 different Radio Studios.

During the Banquet Dinner Saturday evening, Mr. Anker Petersen gave a short but very personal résumé about the EDXC, which was founded in 1967 (40 Years ago) in his home in Skovlunde, just outside Copenhagen. So, in Lugano we had this very special 40th Anniversary. A Lottery/Tombola was also arranged during the evening. After this Banquet Dinner, the Conference was closed.

This is all for this month and wishing you good DXing!!

Toshi Ohtake, Japan Short Wave Club.

Brian Penney swradio@optonline.net

I have been a NASWA member for decades. I am sending this to alert you and other club members that Circuit City Online is selling the ETON E1XM radio for \$224. They just reduced it this week. I called them to verify that it is new and not refurbished. I ordered one and will let you know.

Clem J. Shemanski cjsheanski@bellsouth.net , North Carolina

As to holidays, I just came back from a 3 week non-diving vacation to India—my first and hopefully not my last. Delhi, Varanasi, Agra, Jaipur, Pushkar Camel Fair (unreal—like going back 500 years in time—literally!), Udaipur and then, the last few days, to Shimla in the Himalayan foothills. Another hotel had Taj Mahal views from every room. It was a fabulous once-in-a-lifetime trip.

That said, you'll be disappointed to learn that I didn't take my SW07...believe me, I vacillated back and forth on this for months, but just got concerned w/ unnecessary baggage searches, hassles and, most of all, it being confiscated or stolen given security concerns esp. in that part of the world (we had 4 flights w/in India including one that landed under "full emergency" conditions). There are lots of other excuses I could also make (incl. very little spare time since we were kept constantly on the go) but will spare you more because that's all they are—excuses.

Especially in Shimla (former Raj hill station capital of India) being so close to Pakistan (150 miles as the crows flies) I missed it. Turns out in 20/20 hindsight that I'm sure I could have taken it and my ANT-60 wind-up antenna w/ no problems since my bags weren't searched one time while in India.

My next dive holiday will have to wait...fortunately there's great offshore diving right here in NC starting again next May.

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610
No Radio St. Helena for me. We were on a bus trip to New York City to see The Lion King and to do some holiday type stuff while there. Although we had a great time, I didn't have a good opportunity to attempt hearing Radio St. Helena. I brought along my Eton E5 with the hope of finding a park or some other electrically quiet spot. However, we were dropped off nowhere near Bryant Park - our usual location - which I was counting on. I tried while on the bus going home around 0000 UTC but had no luck. I was amazed at all the e-mail piled up in my inbox about the station when I arrived home. It sounds like there signal got out nicely this year.

A nor'easter brought severe weather into our DX plans for our second outing of the season to French Creek. We began watching the weather forecasts four days prior to the event. Winter can be a tricky and this DXpedition suffered because of it. John Figliozzi, scheduled to attend, had to cancel because New York State saw more than its fair share of snow and ice making the 4.5 hour commute unwise. I was the first to arrive but Ed showed as I was unpacking my gear. Ed Mauger suffered a power outage at home which complicated life since power had not returned prior to his arriving at French Creek. I left much later than usual, arriving slightly after 3:00 PM local time, in order for the local ice to melt a little. Rich Cuff was the last to arrive waiting for darkness and high winds to make the trip more exciting.

Since cabin #10 offers numerous avenues for setting up our antennas, I took the easy way out. I avoided the back acreage sporting a climb up an ice coated hill for the more flat terrain in front of the cabin. Even with this easy path, ice coated trees and rocks plus wet leaves made this interesting while a chilled rain continued to fall. Later the winds would pick up driving rain into the side of the cabin. This continued throughout the night.

African conditions seemed pretty good with a solid signal from Rwanda on 6,055 kHz and Uganda. I was pleased to hear a reactivated Radio Serbia International from Bijeljina, Bosnia on 7,240 kHz with a nice French ID as "Ici Radio Serbia Internationale" at 2310 while switching languages from German to French (the next day I caught the end of the English broadcast on 6,100 kHz at 1948 UTC). I thought India would be promising catching All India Radio Mumbai's opening at 2355 but only weak signals were noted from other outlets. With the bad weather the day was far from perfect but Ed managed a few moments of happiness when his beloved Eagles upset the Cowboys. Uganda opened early, noted around 0210 with a wake up program and listener phone call, providing for some interesting late night entertainment. Radio Zambia on 5,915 kHz had an outstanding signal and Madagascar on 5,010 kHz opened at 0300 with a pretty respectable signal. No African evening would be complete without Horn of Africa music from Radio Fana on 6110 kHz and the Voice of the Broad Masses of Eritrea 1st program on 7,100 kHz..

The following morning saw poor Latin America conditions but reasonable Pacific area reception. Laos, Myanmar, Indonesia and Papua New Guinea all made it across the ocean. Tantalizing station carriers and low level audio was noted from RRI Serui on 4,605 kHz but it never rose as anticipated. The morning closed with nice receptions of several North Korea domestic outlets. During the early morning hours the lights flickered causing some concern about potentially losing power which was a prevalent local problem due to the severe icing and high winds.

As I traveled out the park, I got a good look at the damage caused by the icy conditions, rain and high winds. There were trees down all over the place with many tree limbs

hanging precariously low. The park roads were covered with debris and ice in many spots making driving hazardous. Once out of the park things began to improve but anywhere trees were located experienced dropping limbs and potential hazards.

I am learning to enjoy whatever the shortwave bands bring during the day. The 41 and 49 meter bands seem to be opening up a lot earlier than I remember from past DXpeditions. In any case exploring the bands provided for some interesting listening but really enjoyed catching the end of International Radio of Serbia's English program at 1948 UTC on 6,100 kHz after yesterday's French broadcast. Also, Radio Thailand to Europe on 9,535 kHz and Radio ELWA on 4,760 kHz - eventually signing off at 2300 UTC - provided some listening highlights.

Latin Station remained difficult as the evening wore on. Both DXpeditions this season experienced lackluster Latin conditions although Brazilians seemed to be doing pretty good. RRI Makassar made another strong showing as did a handful of Indian regional stations. The usual pasta banquet rounded out some of the evening as we usual catch up on things while eating. Jury Duty Ed was first out packing up in the evening because he needed to serve the following day. African continued being a strong region to tune in with both Eritrea's at strong levels although there were frequent transmission breaks marring reception. Also, the Voice of Iraqi Kurdistan on 6,335 kHz was audible after being unsuccessful the previous evening.

Having stayed up later than planned due to excellent conditions the previous night, I decided to sleep in since Latin conditions seemed less than ideal. Nevertheless, I dragged myself out of bed around 0540 UTC to hear what was happening. Not much, hi! Radio Chaskis on 4,909.2 was there but not a lot of interest from other Latin stations for some reason. The Asian and Pacific regions seemed quiet this morning too with some Indonesian signals audible at barely there levels.

Although Latin America, a prime interest, was rather quiet this was a pretty good overall outing. The signals from Africa were outstanding for the most part. The Asian and Pacific regions were also filled with usable signals. Except for deep south, things were reasonably good around the globe.

Here is this month's rundown of QSLs. Many of this month's QSLs were thanks to electronic replies although I am expecting some postal QSL follow ups from some of these. China Radio International via Cerrik verified electronically promising a postal reply. Another electronic reply was from Trans World Radio via Wertachtal with Walter Brodowsky at T-Systems doing the honors. I am very pleased to have received a reply from the Voice of Iraqi Kurdistan, which verified an electronic report sent to the Kurdistan Democratic Party-Iraq's Information Office in under an hour from Alex Atroushi. He provided some interesting background information about the station which is included in my detailed report about the verification. Finally, a postal reply to note with Palau's Voice of Hope (T8BZ) replying with card. Rounding out this month's lot of QSLs is a reply from Anne Bennett at the Cotton Tree News who verified their transmission electronically. She told me to expect a postal reply but that it could take a while.

73, Rich

Easy Listening

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2007, the year that was, and looking ahead to 2008

Shortwave down...

Alas, 2007 saw continuing reductions in shortwave usage by broadcasters that historically have sent good signals into the USA. Italy's **RAI** ended its English language broadcasts on shortwave; in its later years, RAI was good for enjoyable music during its English service; a few years back, RAI featured a female announcer whose lack of enthusiasm made for listening that was simultaneously pathetic and amusing. She'd sigh and stifle yawns while reading the news. RAI can still be heard in English a few minutes each hour on its domestic *Notturmo Italiano* service; a multilingual news broadcast airs at the top of each hour; you can listen to *Notturmo Italiano* via live webcast; it's also archived in hour-long chunks for on-demand listening.

Radio Japan, too, has scaled back its use of shortwave; English language broadcasts are now only 20 minutes long; several language were discontinued outright.

Radio Budapest ended its English language services mid-year, and I must admit I wasn't aware of their impending shutdown in advance; perhaps it was the time of year—not exactly peak listening season—perhaps it was the content, that few people felt losing Budapest in English was a great loss.

As of this writing, **Kol Israel** may also see shortwave transmissions ending as of December 31st. Kol Israel's English language service is actually produced nowadays for a domestic audience: new immigrants to Israel. The old 25-minute daily English language broadcast is kaput; all English broadcasts I've recently heard are only 15 minutes long. If Kol Israel follows through

and switches off its shortwave transmitters, North American listeners will be relegated to listening to live and on-demand webcasts for their daily dose of news and perspectives from Israel.

...Podcasts up

While this is little solace to those who enjoy their international broadcasting via shortwave, international broadcasters have increased their use of podcasting technology in 2007. Podcasting isn't anything revolutionary to those who listen to streaming audio on-demand, but it does offer the listener more options, as audio can be downloaded to one's computer and then transferred to an MP3 player for portable listening. One can use podcasting software on their personal computers (Windows, Mac, Linux) to manage audio directly on your computer; I actually use a web-based podcast aggregator, Google Reader, that enables me to keep track of podcast sources without automatically downloading audio to my computer unless I specifically want to.

Podcasting offers international broadcasters additional ways to increase their visibility to new audiences that don't own shortwave radios, as broadcasters can list their offerings in several online podcast directories—podcast enthusiasts might then discover international broadcasting via podcasts.

Canada's domestic **CBC** service has done a particularly good job of using podcasts to make archival content available—CBC podcasts offer weekly installments of programming that won awards in years past, as well as programming that listeners have asked to hear again. Check out <http://cbc.ca/podcasting> for examples. Ireland's **RTE Radio 1** also offers archived programming via podcast. The BBC's various radio services, including both the domestic **Radio 4** and

the **World Service**, increased the number of programs offered via podcast in 2007.

Speaking of podcasts, see the item below regarding "Media Network".

A new radio station to hit the airwaves in 2008?

In mid-December, **Radio Netherlands** announced it and 12 other European member states will team together to produce programming for a wide European audience, to be funded by the European Commission. This new initiative is called the *European Radio Project*, and will debut on radio in April 2008 and on the Internet in May 2008. Broadcasters involved will be Deutsche Welle, Radio France Internationale, Radio Netherlands Worldwide, Polskie Radio and Radio Punt (from Spain). There are further broadcasters from Belgium, the Czech Republic, Bulgaria, Greece, Hungary, Portugal, Romania and Slovenia.

Whether any shortwave frequencies—especially frequencies targeting North America—will be involved remains to be seen. Participating members of the European Radio Project will be providing transmitter and frequency bandwidth, but whether this will be longwave, AM, FM or shortwave has not yet been publicized.

Interestingly, English will be one of the first languages launched by the European Radio Project, even though no UK participation has been announced.

Watch this space...as well as my occasional blog (<http://intradio.blogspot.com>) and the swprograms e-mail list... for updates.

Radio Netherlands' Media Network returns to the air...sort of...

Andy Sennitt mentioned in the December 20th *Media Network* newsletter that he's been given the go-ahead to produce weekly audio podcasts in 2008. Andy says these should be produced weekly, and will run "...not much more than 5 minutes in length..." but it will be definitely good to hear *Media Net-*

work back on the air! Check out the Media Network newsletter and blog, <http://blogs.rnw.nl/medianetwork/>, for more details. (via DXLD)

Sudan Radio Service

One of the shortwave services I've tried to catch on DXpeditions the past couple years has been the **Sudan Radio Service**. This is an English-language broadcast produced by an independent organization operating out of main offices in Nairobi, Kenya, as well as bureaus in Juba and Khartoum. The SRS is a project of Education Development Center, an international NGO, with support from the United States Agency for International Development (USAID).

It's interesting to hear news of the region targeted specifically to the region, especially due to the poverty and instability prevailing in the country. While the speakers tend to have noticeable African accents, they are relatively easy to understand; certainly easier than the heavily accented English one frequently hears on Eastern European broadcasters.

Sudan Radio Service programming is aired on the UK transmitters of VT Merlin; these are transmitters historically used by the BBC World Service to target West Africa, and these transmissions often make it to the USA reasonably as well.

Shortwave air times for English and other local languages for the B-07 season include 0300-0500 on 7120; 0500-0600 on 9525; 1500-1700 on 15575; and, 1700-1800 on 11705, according to Daniel Sampson's and Ernest Riley's *Prime Time Shortwave* website. Programming goes to air on weekdays only.

The **Sudan Radio Service** maintains a website at <http://www.sudanradio.org>; each day's audio is archived and available for download or streaming until the next edition goes to air.

Voice of Turkey—one of few alternative shortwave views of the Middle East

Turkey sits in an interesting geographic position—seeking to influence European and Middle Eastern affairs. Unlike many Middle Eastern countries that don't see the need to use international broadcasting as a means to influence global opinion, Turkey—through the **Voice of Turkey**—is able to create awareness of Turkish attitudes, culture and opinion that serve as an interesting balance to other perspectives in the region.

The Voice of Turkey will celebrate its 70th anniversary in 2008; programming airs in 26 languages—larger than most international broadcasters nowadays—including German, Albanian, Arabic, Azeri, Bosnian, Bulgarian, Croatian, Chinese, Farsi, French, Georgian, English, Spanish, Italian, Kazakh, Kyrgyz, Hungarian, Macedonian, Uzbek, Rumanian, Russian, Serbian, Tatar, Turkmen, Turkish, Urdu and Greek.

The Voice of Turkey is part of the state-run broadcaster TRT, but has editorial independence from its funding sources, as was recently emphatically stated by the host of the **Letterbox** program.

A typical daily 55-minute broadcast contains a mix of news, current affairs, and culturally-oriented programming, with Turkish popular music providing interludes between the individual programs.

Voice of Turkey programming can be heard via shortwave and live webcast; my own preference is for the webcast, as many of the announcers speak in accented English, and station modulation is often muffled. Best shortwave times and frequencies for a North American audience include 5960 at 2300 UT and 6020 at 0400 UT. A live webcast is also available, and that's my

preferred way of listening as sometimes the announcers' accents make shortwave listening difficult in less-than-ideal propagation conditions. A link to the webcast is at <http://www.trt.net.tr/voiceofturkey/vot.htm>; English airs at 0400, 0800, 1330, 1930, 2130, and 2300 UT on the "VOT-WORLD" channel. It does not appear that on-demand audio is yet available.

I think of the Voice Of Turkey as a good example of many second-tier broadcasters who have chosen to focus their efforts on their own country and not delve into global affairs. The Voice Of Turkey focuses on two perspectives: 1) Global and regional events through the perspectives of how they impact Turkey, and 2) Turkish news and culture that would be of interest to a global audience and Turkish expatriates.

Radio Ukraine International... still absent from shortwave?

I mentioned in November that **Radio Ukraine International (RUI)** had added on-demand webcast capabilities to its website; it appears that remains the only way to hear them easily in North America. I went looking for their evening service targeting North America while on a DXpedition in mid-December, but they weren't audible, and the website still says the transmitter is "temporarily off."

If you want to know what's happening in Ukraine, or what Ukraine or Ukrainians think of current global affairs, it's still worth a visit. Bill Tilford had mentioned RUI as well in a prior month, but alas, it seems we can't hear them right now. As Bill suggested, perhaps an e-mail or postcard mentioning how much you miss them on shortwave would be helpful; RUI's postal address is 26, Khreshchatyk str., Kyiv 01001, Ukraine; e-mail address for the English section is vsru@nrcu.gov.ua, and its editor-in-chief is Tetiana Stechak.

“Open Mike” programming suggestions

Bill Tilford sent in some additional thoughts regarding various shortwave programming of interest:

Radio Taiwan International does a program of traditional music called **Jade Bells And Bamboo Pipes**, easily heard via Okeechobee relay, 5950 kHz, on Tuesdays (local American date; UTC Wednesdays) from approx. 0233 and 0333 UTC to near top of the hours. It's hosted by Carlson Wong, a little under a half hour, and very well done; it's often very pleasant listening whether or not you are familiar with Chinese/Taiwanese music (if you like classical music, there's a very good chance that you will like this program). [Bill's right... this has long been one of the best-regarded programs on shortwave...ed.]

Afrique #1 from Gabon has become a little more eclectic in its music programming in recent months; its programming now includes an American R&B program called **Flashback** (still a French-language channel however) in addition to very good Afropop. Although music also appears at other times and frequencies, I like to graze 9580 kHz from 2100–2300 UTC weekdays. The music is sandwiched between a lot of talk, but it's quite good when it pops up. They are aware that Anglophones are listening; although the programs aren't in English, the stray English-language jingle appears now.

I would love to be able to recommend **Radio Romania International's The Skylark** and **The Folk Music Box**, but their transmitter 'upgrades' and frequency changes have rendered them temporarily all but inaudible here (ironic since my town is said to have the largest concentration of Romanians in the United States). Once upon a time, I enjoyed them. If you are more fortunate than I, these are worth seeking out. [7105 kHz at 2300 came in OK, and 6145 at 0100 came in pretty well when I was at French Creek recently...-ed.]

If we had been discussing all-around variety shows in recent weeks, Spain's **Radio Exterior de España** would have been on the list. They do one of the most best overall mixes of news, weather, sports, cooking, music, features etc. currently on shortwave, and unlike the announcers on some channels, they actually sound like they are having a good time doing it (perhaps too good a time on occasion, as there is the stray blooper etc). It wouldn't be accurate to compare them to Radio Netherlands' **Happy Station** of years gone by, but it might be as close as we'll get these days. Best catch is 6055 at 0000 UTC 7 days/week. I write this even though they don't *OSL* and dropped **Origins of the Spanish Music**, a wonderful program, from the lineup. [Ye editor wishes they offered either live or on-demand webcasts of their programming, but this isn't the case...-ed.]

Where were your programming ideas this past month? For January, any thoughts on cultural life programming, that is, programming that relates to domestic trends, values, or society in the broadcaster's country would be sincerely appreciated.

Looking for mid-month updates? Check my blog or the swprograms list...

I'll admit that some time can occasionally pass between blog entries, but I'll often post items there that are of a timely nature and weren't available when I assembled the *Easy Listening* column. My blog is at <http://intradio.blogspot.com>; along the left column there's a section labeled "Links" that leads to various shortwave-related websites I visit, including the SWPROGRAMS list.

Until next month, send those programming suggestions in, and

73 DE Richard



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News, Notes and Miscellany

Thanks for Listening: The History of Australian Radio

Robin Oliver, reviewer

November 18, 2007

If the great days of Australian television have faded into the doldrums of reality, only now to begin a creative revival considerably nudged by the subscription channels, then this enchantingly nostalgic five-part history of Australian radio will have immense appeal.

For one thing, the surprise is in how much of the flavour of the early days of Lux Radio Theatre and Caltex Theatre, Police Files and Randy Stone's Nightbeat have been captured and restored from newsreel film. No more than a taste, perhaps, but as Noeline Brown and Ita Buttrose remind us in the first episode, listening to the radio was something people used to do with remarkable intensity. They would stare at the receiver, while - as we can still see in gorgeous clips - smartly dressed actors crowded round a single micro-

phone stirring listeners' imaginations in the formidable era of the radio play. The youngsters in the Buttrose family would, if their parents were safely out of the house, turn down the lights and do crazy things with the furniture as they allowed scary radio mysteries to shiver the timbers of their minds.

Don't miss this show, introduced by Mike Hammond, for it is crammed with delights that bring back the days of the great Jack Davey, whose nationwide audience numbers have never been exceeded. The opening credits perfectly catch the mood and are alone worth the price of admission.

via Zacharias Liangas , Thessaloniki Greece

<http://www.smh.com.au/news/tv-reviews/thanks-for-listening-the-history-of-australian-radio/2007/11/16/1194766940785.html>

Mogadishu Broadcasters Go Silent to Protest Government Crackdown

19 November 2007

Broadcasters in the Somali capital, Mogadishu, have gone off the air for 24 hours to protest a government crackdown on independent media.

The four local radio stations still operating went silent Monday. Their directors say they want to show solidarity with three other stations the government shut down last week.

Authorities have accused Radio Simba, Radio Banadir and Radio Shabelle of making inflammatory and anti-government broadcasts. The government has also ordered all Somali media houses to register with the government or face closure.

Media advocacy groups like Reporters Without Borders have strongly criticized the moves, saying the government is trying to censor unwelcome news.

The closed stations have reported regularly on the violence in Mogadishu between insurgents and Ethiopian troops backing the Somali interim government.

The fighting over the past 11 months has killed thousands, and prompted hundreds of thousands more to flee the Somali capital.

<http://www.voanews.com/english/2007-11-19-voa27.cfm>

Japan Donates Radios to Solomon Islands

A total of 200 portable radios were donated to villages in the Western and Choiseul provinces.

The donation of radios came from Japan through the Honorary Consulate of Solomon Islands in Mr. Tsuguto Kitano.

Mr Kitano is in charge of the Honorary Consul of Solomon Islands in Japan for 17 years since 1990.

The people Japan kindly donated the 200 radios after learning the disastrous earthquake and tsunami that hit the Western parts of the country on April 02, 2007.

They tried to do what they can do and were able to contact the Honorary Consulate of Solomon Islands in Japan.

In Japan, there were lot of earthquakes also and the people there knew how miserable it was.

Many people in Japan worry about the people who were suffering from the earthquake and tsunami that hit these two provinces.

For that reason, the Honorary Consulate

set up Disaster Council for the Earth and Tsunami as a gateway for the donors.

After consideration with the people concerned, they decided to supply this useful emergency radio in case that similar situation will occur again.

The radios were shared equally among the two provinces with 100 radios each.

The radio can be used for 60 minutes using AM frequency, 40 minutes using FM frequency, and 15 minutes of light without dry battery by just one minutes of rotating the handle of the built-in power generator.

It is very useful in remote places where dry cell batteries are not readily available. If in case a similar disaster is to happen again, the people can get information and warning at once from this radio.

The people of Japan are hoping that these radios will ultimately serve its purpose for the people of these two provinces.

(Source: Solomon Islands People First Network (PFnet) via Relief Web <http://www.reliefweb.int/rw/RWB.NSF/db900SID/SODA-7947J8?OpenDocument>)

Organizing Your Digital DX

Cheap digital storage space has revolutionized the way we DXers can save, organize and access our recordings and QSL collection. Creating a digital DX archive however requires many decisions concerning formats and file names, with long lasting consequences. This article explains the many mistakes I have made, and how I have tried to resolve practical problems related to getting digital.

Check out "Organizing Your Digital DX" at http://www.dxing.info/articles/digital_dx.dx

And feel free to post comments about the article, or about your own experiences in recording, converting and organizing your best DX at <http://www.dxing.info/community/viewtopic.php?t=2409>

73, Mika Makelainen, dxing.info

Kim's Column

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This column, with links, is available at this URL publicized only to NASWA members: <http://kimelli.nfshost.com/index.php?id=3002>.

Jim, we hardly knew ye

James Glassman, who was appointed chairman of the Broadcasting Board of Governors only in June, has been nominated by President Bush to succeed Karen Hughes as under secretary of state for public diplomacy.

Perhaps the new job, if he is confirmed by the Senate (likely), is a better fit for Mr. Glassman. During his town meeting with VOA and IBB employees on July 10, Mr. Glassman said: "I just want to emphasize something I said back in July. I've been a journalist all my life. The foundation of everything we do here is rock solid journalism. At the same time, we are not a conventional journalism organization. We are not CNN. We are broadcasters who work for the United States government, broadcasting under a very clear mandate to be accurate and objective and comprehensive."

So Mr. Glassman could not just let U.S. international broadcasting provide "conventional journalism," and indeed left U.S. international broadcasters with a contradictory charge. I think he fancied himself more as a member of the administration's foreign policy team, than as part of the BBC's "fire-wall," protecting the USIB newsrooms from administration dictates. He'll be happier in Foggy Bottom.

Of course, some observers will say that Charlotte Beers failed to make the United States popular, then Margaret Tutwiler failed, then Karen Hughes failed. I hope Mr. Glassman won't try a Hail Mary stunt in the waning months of the Bush Administration in a bid to turn around America's dismal standing in global opinion polls.

Public diplomacy should not be expected to make unpopular policies popular. A more

realistic goal is to keep the United States from becoming even more unpopular. Or, at best, nudging world opinion from "dislike extremely" to just "dislike." That could make the difference between engaging in violent acts against Americans, and merely yelling very loudly at Americans.

It would also be helpful for Mr. Glassman to sort out which U.S. agency does what in U.S. international communications. The Pentagon continues to demonstrate its ambitions to conduct public diplomacy-like campaigns over broad areas. To avoid redundancy or, worse, contradictory messages, Defense Department efforts should be restricted to PsyOp and other communications in military areas of operation. The State Department's public diplomacy efforts would advocate and explain U.S. policies on a global scale. And U.S. international broadcasting would stick to the news (and, as appropriate, entertainment).

Making BBC look good by making VOA look bad

On December 14, a story in the Times of London about the 75th anniversary of BBC World Service included this passage: "Other international broadcasters are locked into their perspective," says [World Service director Nigel] Chapman, pointing out that Voice of America employees, for example, are civil servants, with an explicit purpose 'to project a US political view'."

I've made something of a career describing the institutional differences between VOA and BBC World Service. Yes, VOA employees are civil service, and they take the "defend and uphold the Constitution" oath when they hire on. And the employees in the IBB Office of Policy "project a US political view" in their editorials broadcast by VOA. But in saying that all VOA employees do this, Chapman was over the top. He should know better. I hope that the BBC World Service journalists working for him have a better grasp of nuance.

Nevertheless, congratulations to BBCWS on its 75th.

Nigel Chapman's howler aside, the 75th anniversary of BBC World Service, celebrated in December, was a momentous occasion. I've listened to World Service for about 42 of those 75 years. I started back before it was called "World Service." A bit later, the BBC 24-hour global English-language broadcast was called "World Service." Finally, the entire BBC external radio operation took on that name.

After I began listening, BBC World Service added more and more relay stations in key locations, such as Ascension Island and Antigua. It transmitted on out-of-band frequencies such as 15070 and 9410, which almost always seemed to be in the clear. By the 1970s, World Service reached its heyday as a shortwave service. You really could be anywhere in the world, listening at any time, with a good chance of hearing BBC World Service English on at least one frequency. I could hear World Service just about any time on the portable shortwave radios residing in every room of my then apartments and condos.

(By the way, Andrew Stephen, the U.S. correspondent of the *New Statesman*, writing about spending his Christmases in the United States, had something to say about this: "I found a warm, sunny Christmas and no Boxing Day wildly alien at first: I would desperately rig up an aerial to listen through the static to the BBC World Service relay of the Festival of Nine Lessons and Carols from Cambridge, but the BBC's disgraceful decision to cease short-wave transmissions to North America soon put a stop to my Christmas Eve fix.")

I think World Service programming was also in its golden age in the 70s and 80s. World news on the hour was eight minutes long—just right. The longer news programs were usually not over a half hour, not wasting our time and optimum for radio attention

spans. And there was a broad variety of drama, comedy, music, quiz, and special interest programs. The BBC even acknowledged its radio aficionado audience with "World Radio Club."

Perhaps the quintessential BBC program was "Anything Goes," hosted by Bob Holness. Music requests came from all over, giving a real sense of the "World" in "World Service." Dedications were acknowledged. Many of the names of those writing in were Anglo, from countries that were not, at least any longer, Anglo. Perhaps because the program had the whiff of the Empire, perhaps because it was not Cool Britannia, "Anything Goes" was dropped.

This was symptomatic of a new corporate attitude on the part of World Service. Hour-long news programs have squeezed out much of the variety. Shortwave to North America, which provided that variety to stalwart World Service listeners, was dropped in favor of feeds of mostly news to U.S. FM public radio stations. More audience, impressive numbers, but less variety, less exposure to all that the U.K. accomplishes.

Branding the BBC world services

Funny how the World Service newscasts on the hour now just say "BBC," not "World Service." And its redesigned website says at the top, "BBC Radio World Service," and "Listen to the BBC's international radio station." Perhaps this is by way of separating the BBC World Service (radio) brand from the BBC World (television) brand.

And how will the new BBC Arabic and Persian television services be identified? BBC World Service, because they are Foreign Office-funded like BBC World Service radio? Or BBC World, because they are television like the so-far-English-only BBC World?

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



Listener's Notebook

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ABKHAZIA [tent.] At 0550 UT noted Abkhazia (Georgia) in Russian again,—after long break, 9494.74 kHz. But station had left the air approx. 0624 UT, when checked again. Yesterday around 1450 UT, and this morning again (0550 and 0630 UT) noted an UNKNOWN station carrier on 9510.74 kHz. Could that be the second Abkhazia transmitter, which was lately near 9535 kHz, BUT on approx. 9508 kHz in the nineties a decade ago! (Wolfgang Bueschel, Germany, Dec 10/DX Listening Digest/Hauser-OK)

Apua Radio from Sukhum was audible on both 9494.75 and 9535.0 in parallel, to 0601* Dec 16. Both were weak, 9535 unusable because of R. Liberty co-channel (Vlad Titarev-UKR, DXplorer Dec 16/BC-DX/DX Listening Digest/Hauser-OK)

9494.74 and 9535 Vlad Titarev confirmed these channels for **Abkhaz Radio** somewhere. Stumbled across 9495 kHz and noted sign-off time as exact 0900 and 1530 UT, Sun Dec 16/17. 9474.76 and 9535 kHz from Sukhum in Russian, morning s-off time varies around 0850 UT, but on other days after 0910 UT (Bueschel-DE, Dec 16/17/18/19 wwdxc BC-DX Dec 21/DX Listening Digest/Hauser-OK)

AUSTRALIA Picking a frequency—Maybe best around 5900-5950 kHz. Any Ideas on the actual frequency we can use so that you can hear it? Can anyone suggest one? With 1 kW it will be a catch (Keith Ashton, **Double V Shortwave Australia**, Radio 2 Double V AM & ZFM Fairfield NSW Phone 02 9726 7841, Listen to Vale Vision Community Radio and TV Association Inc on <http://www.radio2doublev.org> Dec 1, dxing.info via DX Listening Digest/Hauser-OK)

BRAZIL 5045 **Radio Guaruja FM**, Guaruja, SP, 2018-2337, Dec 16 and 18, relay of FM 104.1 MHz, Sertaneja songs, ID: "Rdio Globo Santos," chat, advs, webpage info. (D'Angelo-PA, Goncalves-POR, Grimm-BRASIL, Ibiuna-SP and Romais-BRASIL/DSWCI DX-Window/Petersen-DENMARK). Also heard at 1151, Dec 16, message by Padre Marcelo Rossi to listeners on phone: "Guaruja FM, a melhor alegria, todo o dia." Music by Roberto Carlos. (Grimm-BRASIL/DSWCI DX-Window/Petersen-DENMARK)

CANADA Although it's still off the air, as of this issue, **CFRX**, the shortwave outlet of Toronto's CFRB Radio at least has a new antenna. CFRB is planning for a new transmitter very soon. Listen on 6070 kHz! (ODXA Listening In, December 2007/DX Lis-

tening Digest/Hauser-OK)

CHAD 4904.97 **Rdif. Nationale Tchadienne**, N'Djamena-Gredia, 1600-2230* (SS-2300*), Dec 20, 21, 22, 23 and 25, French except Arabic 1700-1710 and 1810-1855, news in both languages, Afropop, stronger than Tibet from *2100, closed with National Anthem. (D'Angelo, Berg, Bueschel, Goncalves, Goonetilleke, Gropazzi, Herkimer, Liangas, Padula, Petersen, Savolainen via DXplorer, Schiefelbein via NASWA, Slaen and Wernli/DSWCI DX-Window/Petersen-DENMARK) *0427-0610, Dec 22 and 25, Re-activated on adjusted frequency, National Anthem, French ID: "Ici N'Djamena, Radiodiffusion Nationale Tchadienne," frequency ann and program preview, Afropop. (Petersen-DENMARK/DSWCI DX-Window)

6165 **Rdif. Nationale Tchadienne**, N'Djamena-Gredia, 1113-1450, Dec 19 and 22, Vernacular talks, tribal songs, French, news. As from Dec 20, this frequency was replaced by 4905 for the evening period starting at approx. 1600. (Goncalves-POR/DSWCI DX-Window/Petersen-DENMARK)

CLANDESTINES 5815 **Radio Racja**, via Sitkunai, Lithunai, 1540-1728*, Nov 26, talk about literature in Belarusian, *1600 Chinese in 5810, 1700 had disappeared, 1728*. (Petersen-DK, Ivanov-RUS via BC-DX and Gupta-IND/DSWCI DX-Window/Petersen-DENMARK)

7560 **Andenet Le Democracy**, via Samara *1600-1700*, We Dec 05, Amharic ID after test tones, news, modern music, talk, phone-in talk, ex 9445, ex 15260. Change ann on their website as of Nov 07: <http://www.andenet.com/> and only We and Su. (Krone and Petersen-DK; Ivanov-BUL via Bueschel-DE and Gupta-IND/DSWCI DX-Window/Petersen-DENMARK)

7560 **Radio Xoriyo**, via Samara 1620-1630*, Sa 08, Somali talk, song without music, later HOA song with music, ex 9445, ex 15260. Scheduled Tu/Sa 1600-1630. (Petersen-DK; Ivanov-BUL via Bueschel-DE and Gupta-IND/DSWCI DX-Window/Petersen-DENMARK)

12015 **Voice of Meselna Delina**, via WHRA, Greenbush, MA, USA *1800-1830*, Mo-Fr, in Tigrigna to East Africa, 1830 English WHRA ID, ex 17650 since Dec 03. (Hauser-OK and Ivanov-BUL via Bueschel-DE, Dec 10/DSWCI DX-Window/Petersen-DENMARK)

Korean "clandestines" for B07:

Furusato no Kaze

http://www.kantei.go.jp/jp/singi/rati/radio/radio_k.html

1600-1630 Japanese 9780 TWN

Nippon no Kaze-Ilbone Baram

1700-1730 Korean 9820 TWN

Siokaze-JSR

<http://senryaku-jouhou.jp/shiotsuu.html>

1400-1430 Ja/Ko/Ch/En 5985 YAM/JPN

2030-2100 Ja/Ko/Ch/En 5965 YAM/JPN

Radio Free Chosun-Jayu Joseon Bangson

<http://www.rfchosun.org/>

1200-1300 Korean 9950 RUS

1330-1400 Korean 9950 TWN

Radio Free North Korea-Jayu Bukhan Bangsong

<http://www.freenk.net/>

1000-1000 Korean 9730 TWN

2030-2130 Korean 9645 TWN

Open Radio for North Korea-Yeollin Bukhan Bangsong

<http://www.nkradio.com/>

1100-1200 Korean 9930 KWHR Mo-Fr

1300-1400 Korean 9930 KWHR Mo-Fr

Cornerstone Ministries International-Bukhan Seongyo Bangsong

<http://www.tinylink.com/?wtqE8E243U>

1300-1330 Korean 9940 TWN

2000-2030 Korean 9795 TWN

(S. Hasegawa-JAPAN, NDXC, Dec 3/DX Listening Digest/Hauser-OK)

ECUADOR 3380 *Radio CRI (Centro Radiofonico de Imbabura)*, 2340-0100*, Fr Nov 23, presenting an excellent selection of Ecuadorian folklore with acceptable signal. I heard: "...Desde la provincia sur de los lagos(?) C.R.I. Imbabura, Ecuador..." and "...usted puede comunicarse con nosotros llamando al telefono 062612720 Radio C.R.I..." (Rodriguez-COLOMBIA/DSWCI DX-Window/Petersen-DENMARK)

EGYPT 9250 *Radio Wadi el Nil*, 2020, Dec 19, Arabic talking about Sudan. It turned out to be a local network called Nile Valley Radio from Cairo. Yes, it is an Egyptian network beamed to Sudanese living in Egypt. I heard it on // MW 1107 and it was the same stream. First time to hear that station on the shortwave band! (Zeidan, via DXLD). Schedule 1700-2300. (Ritola). Also heard 2126-2243, Dec 16 and 21, Sudanese Arab songs, ID's: "...min al Kahira" and "min al kahira wen Khurtum." (Hauser-OK and Liangas-GRC/DSWCI DX-Window/Petersen-DENMARK)

EQUATORIAL GUINEA 6250 *Radio Nacional Guinea Ecuatorial*, Malabo, 0619-0638, Nov 17, re-activated, in Spanish: "la ciudad de Malabo celebra hoy," ID, talks about football "la seleccion de Niger jogara," short music and talks, much fading. (Borbrowiec-BRASIL/DSWCI DX-Window/Petersen-DENMARK).

GERMANY (non) Frequency changes of *BVBN* via DTK T-Systems:

1430-1630 Farsi NF 9925 JUL

1500-1700 Farsi NF 9480 JUL

(DX Mix—Bulgaria)

Frequency changes of *WYFR* via DTK T-Systems:

1500-1600 English 13660 WER, no change

1600-1700 Amharic NF 11635 WER, ex 13660

1700-1800 Russian NF 9595 WER, ex 5970

1700-1800 Swahili NF 11635 WER, ex 13660

1800-1900 Russian 5970 WER, ex 1700-1900

1800-1900 English NF 9435 WER, ex 13660

(DX Mix—Bulgaria)

Changes for *Deutsche Welle*:

1300-1330 Chinese NF 9650 SNG + 9650 TRM, ex-9810 //11945 TRM, 13735 SNG

1400-1457 Amharic 15620 KIG // 11645 KIG 15640 TRM 15660 KIG, additional

(DX Mix—Bulgaria)

HUNGARY Frequency change of *Radio Budapest* in Hungarian from Nov.27:

1900-1958 Hungarian NF 9895 JBR, ex 9845 // 3975

(DX Mix—Bulgaria)

IRAN Winter B-07 for *Voice of Islamic Republic of Iran (VOIROI/IRIB)*:

0030-0127 Bengali 5905 6185

0030-0227 Spanish 9680

0100-0227 Tajik 5955 6175

0130-0227 Urdu 3945 6010 6190

0130-0227 English 6120 7160 Voice of Justice

0130-0227 Kazakh 7135 7265

0230-0257 Uzbek 6040 6175

0230-0257 Hindi 13725 15165

0230-0327 Pashto 6095 6140

0230-0427 Arabic 6065 7350 9895

0300-0327 Russian 6040 7125

0300-0327 Armenian 7255 7295

0300-0627 Dari 9875 13740

0330-0427 Kurdish 3945 6145 Sorrani

0330-0427 Arabic 7250 9505 Voice of Palestine

13640 15260

0330-0527 Azeri 9865

0430-0457 Hebrew 9820 11925

0430-0527 Arabic 6065 7350 13800

0430-0557 Turkish 12060 13750

0500-0527	Russian	12025 15530 17680 17780
0530-0627	Bosnian	13760 15235
0530-0627	Spanish	13710 15320
0530-0827	Arabic	13790 13800 15545
0600-0657	Hausa	15435 17810
0630-0727	French	13600 15425
0630-0727	Albanian	13810 15235
0630-0727	Italian	7545 13620 15085
0730-0827	German	15085 17590
0730-0827	Pashto	11990 15440
0830-0927	Swahili	15240 17660
0830-0927	Bengali	11705
0830-1027	Arabic	9885 13790 13800 15545
0830-1427	Dari	9940 13720
0930-0957	Armenian	9695 15260
1030-1127	English	15460 17660
1030-1427	Arabic	13790 13800 15545
1200-1227	Hebrew	13740 15390
1200-1257	Chinese	9895 11670 13645 15150
1230-1327	Pashto	6175 7170 11870
1230-1327	Malay	15200 17570
1300-1357	Kazakh	9660 11745
1330-1427	Japanese	7380 9905
1330-1427	Urdu	6175 9790 9835
1330-1627	Kurdish	5990 Kirmanji/Sorrani/ Kirmanji
1430-1457	Dari	9940
1430-1527	Hindi	7360 9710
1430-1527	Bengali	5910 7330 7380
1430-1527	Russian	5815 7165 9575 9735
1430-1527	Pashto	3945 5890
1430-1627	Arabic	15545
1430-1657	Azeri	6200
1500-1557	Uzbek	5945 7215
1530-1627	English	6160 7330
1530-1727	Urdu	3945 5890
1600-1727	Turkish	7125 7310
1600-1727	Tajik	5945 5955
1630-1727	Pashto	6005 6015
1630-1727	Armenian	6185 7230
1630-1927	Arabic	6065
1700-1757	Russian	3985 7170
1730-1757	Urdu	6005 7160
1730-1827	German	6205 6265 7380
1730-1827	Swahili	6130 7345
1730-1827	Bosnian	5945 7295
1800-1857	Russian	6035 7305
1830-1927	French	6180 6265 7380 9565
1830-1927	Hausa	5950 7335
1830-1927	Albanian	6100 7165
1930-1957	Italian	6205 7380
1930-2027	English	6010 6225 7320 9855 11695
1930-2027	Arabic	6065 Voice of Palestine
1930-2027	Russian	3985 7205
2030-0227	Arabic	6065
2030-2127	Albanian	6100 9740
2030-2127	Spanish	6225 7130 7350
2100-2127	Japanese	6145 7260

2130-2227	Bosnian	5950 9710
2230-2327	Malay	5945 7255
2330-0027	Chinese	7130 7325 9635

(DX Mix—Bulgaria)

ISRAEL Kai Ludwig says: All foreign-language programming from **IBA** is meant for domestic audiences now, with the exception of Persian which is the only remaining foreign service. And recently Bezeq, the Israeli telcom company which also runs the shortwave broadcasting transmitters, told that IBA has cancelled all shortwave transmissions, effective Jan 1st 2008. (Media Network blog/DX Listening Digest/hauser-OK) DXLD)

LIBERIA 4760.05 **ELWA**, Monrovia, 1900-2301*, Nov 14 and 15, back on the air after 18 months absence, mostly African Christian hymns, light gospel vocals, bits of English religious talk, contact info for California, closed with Liberian National Anthem. (Barbour, Herkimer, Liangas, Savolainen and Wilkner in DXplorer, Petersen and Schulze). I checked various websites and found out that **ELWA** has a new 5 kW SW transmitter under installation, maybe even testing now. They will use old 4760 frequency and another channel in the 49 meterband. Some pages suggest 6070 will be used. Not yet known which transmitter will be on which frequency. (Savolainen-FINLAND in DXplorer/DSWCI DX-Window/Petersen-DENMARK)

We have just returned from **ELWA**. We left the 4760 transmitter running at 1 kW. This is the one they have been using for several years, but was damaged.

The new **ELCOR** is running at 2 kW pending the installation of cooling ducts and an air conditioning unit. It may run at either 3 or 5 kW after that if sufficient operating funds are available. Diesel fuel in Liberia is very expensive.

Both will run from 0600 to 0900 and 1600 to 2300 UT on both frequencies [4760 and 6070] for a few weeks. Based on response in the target area they will then decide on which hours on which frequency will best meet the needs of the listeners. (John Stanley, Dec 17/DX Listening Digest/Hauser-OK)

MALI 4835v & 7285v have been inaudible, so most likely inactive. 11960, **Radio Mali**, Kati, 1449-..., 02 Dec, Vernacular, talks; sole audible outlet at this time. The evening outlet of 5995 has been heard. (Carlos Goncalves, Portugal/DX Listening Digest/Hauser-OK)

MEXICO 6045 XEXQ Radio Universidad de San Luis Potosi, is back! I have been keeping a close watch since disappeared almost 4 months ago. My last log of it was Aug 3. Finally, Nov 23 at 0625 I detected

the tell-tale subaudible het mixing with KBS World Radio in Spanish via Sackville on 6045. After that went off at 0629, a hefty carrier of S9 +10 remained on frequency, and I kept listening until 0643, but absolutely no modulation heard. Retuned at 1352 and now there was classical music, good signal on 6045, Gaiete Parisienne. The can-can girls were celebrating with high kicks! Segues to more pop classics with no announcements, XEXQ's usual style, until 1359, timecheck for 7:59, ID as Radio Universidad, 25,000 watts on 1190am, no mention of SW. Then a string of government PSAs including one for transplants from the Secretaria de Salud, and another full ID for XEXQ including their phone number 826-1345, 8:02 TC and 1403 back to music. Still coming in well past 1452. It will be interesting to see in solstitial conditions how far it can penetrate north of the border during daytime, perhaps even at low noon. (Hauser-OK/DSWCI DX-Window/Petersen-DENMARK)

[etc. etc. - Glenn has been reporting this station as on-again/off-again all through December. As with all shortwave stations - especially the little ones - catch them while you can! - ed.]

MICRONESIA 4755.2pmA An email from Roland Weibel at PMA says they have been off shortwave for the past 6 weeks. They are changing their antenna and hope to be back on in January. Address and contact information:

Pacific Missionary Aviation
The Cross Radio Station
P.O. Box 517
Pohnpei, FM 96941
Federated States of Micronesia

Tel: 691-320-1122
Email: radio@pmapacific.org

Two websites:

<http://www.pmapacific.org>
<http://radio.pmapacific.org>

(Herkimer-NY in DXplorer/DSWCI DX-Window/Petersen-DENMARK)

MOLDOVA New winter B-07 schedule of *PMR Radio Pridnestrovye* Mon-Fri

0000-0015	English	6240 KCH
0015-0030	French	6240 KCH
0030-0045	German	6240 KCH
1500-1515	English	7370 KCH
1515-1530	French	7370 KCH
1530-1545	German	7370 KCH
1600-1615	English	7370 KCH
1615-1630	French	7370 KCH
1630-1645	German	7370 KCH
1700-1715	English	7370 KCH
1715-1730	French	7370 KCH
1730-1745	German	7370 KCH

1800-1815	English	7370 KCH
1815-1830	French	7370 KCH
1830-1845	German	7370 KCH
1900-1915	English	7370 KCH
1915-1930	French	7370 KCH
1930-1945	German	7370 KCH
2300-2315	English	6240 KCH
2315-2330	French	6240 KCH
2330-2345	German	6240 KCH

(DX Mix—Bulgaria)

Clearly the *Radio PMR* transmitter is in PMR. They are very anti-Moldovan and separatist, pro-Russian. I can't believe that the Moldovan government would allow such transmissions to emanate from their territory! (Walt Salmaniw, BC, Dec 1/DX Listening Digest/Hauser-OK)

Yes, I was wondering how someone got the impression they were anti-Russian. Guess *Radio PMR* needs to work a bit on the clarity of their comments (Glenn Hauser/DX Listening Digest)

Now that's very surprising to me, from what I know of the political situation in the area. For the longest time, I believe that they wanted to join the Russian Federation! There are also Russian "peacekeepers" on the territory as well. Perhaps there's been a change in the political climate (Walt Salmaniw, BC, *ibid.*)

These addresses were mentioned here earlier: The usual address is: radiopmr @ inbox.ru (the Radio PMR mailbox). An alternative address is: irpmr @ mail.ru (the English Service mailbox). (Ritola-FINLAND, Dec 1/DX Listening Digest/Hauser-OK)

MYANMAR Xinhua General News Service reports that a new radio station has been on the air very recently in Myanmar mainly broadcasting music with brief domestic and international news intercepting its program, according to Yangon audiences.

The two-and-a-half-hour morning program of the *Padauk Myay Radio Station*, broadcast in local language from an unidentified location since end of October and believed to be from inside the country, is received from 5:30am to 8pm (local time) on FM, MW and SW, the audiences said. <http://www.burmanet.org> ("*Padauk Myay*" is also a name of Myanmar magazine / finndxer/ December 8/DX Listening Digest/Hauser-OK)

PAPUA NEW GUINEA 3345 *Radio Northern*, Popondetta, 1103-1206*, Dec 17, mix of English and Pidgin talks hosting program of mainly island music although there were a few romantic songs. ID and closedown ann at 1157 followed by another vocal and brief orchestra National Anthem. Reactivated. (D'Angelo-PA/DSWCI DX-Window/Petersen-DENMARK). Lack of funds kept it off the air for 12 months, even during their elections in July! (Petersen-DK/DSWCI DX-Window)

PERU 4835v *Radio Maranon*, Jaen, 1000-1140, Dec 05, 07, 08 and 10, reactivated and drifting around 4831-4852, Spanish ID: "Radio Maranon, La voz de? ...en el primer...con permiso...," news. (Bolland and Wilkner-FL/DSWCI DX-Window/Petersen-DENMARK)

4990.8 *Radio Manantial*, Huancayo, around 1155, Dec 24, "transmite Manantial Radio. . ." relaying 960 MW, giving URL: <http://www.galeon.com/manatial>. Web page has e-mail address as: manatialradio960am@hotmail.com. (Canyote-PERU in Conexion Digital via Berg-MA). Website gives frequency as 4985. (Berg-MA/DSWCI DX-Window/Petersen-DENMARK)

PHILIPPINES Frequency changes of *Radio Veritas Asia* effective Jan.1:

0030-0100 Bengali NF 9510 PUG, ex 9670
 0030-0100 Hindi NF 9670 PUG, ex 11895
 1200-1230 Hmong NF 11935 PUG, ex 11780
 1000-1030
 1430-1500 Telugu NF 9520 PUG, ex 9800

Frequency change of *FEBC* in Chinese and dialects:

2300-0100 NF 12055 BOC, ex 12060

(DX Mix—Bulgaria)

RUSSIA *Voice of Russia* schedule thru March 2: To Australia/NZ

English 0600-0800 17665-Ko 17805-I
 English 0800-0900 17495-D 17665-Ko
 17805-I
 English 0900-1000 17495-D 17665-Ko
 Russian_WS 1300-1500 9800-I
 To Asia
 Bangla 1530-1600 7110-Sa 7280-N 7305-N
 Chinese 1100-1200 5920-I 5930-Vl 6140-Ch
 7145-Kh 7155-Kh
 Chinese 1200-1300 5930-Vl 6170-Kh 7145-
 Kh 7155-Kh 7305-N
 Chinese 1300-1400 5940-N 7145-Kh 7155-Kh
 7305-N
 Chinese 1400-1500 5930-Vl 7145-Kh 7155-
 Kh 7280-N
 English 0400-0500 9550-U 12090-I 13580-
 Kh 15455-Kh 15530-P
 5735-Ko 15765-Vl 17840-
 I
 English 0500-0600 9550-U 12090-I 13580-
 Kh 15455-Kh 15530-P
 15735-Ko 15765-Vl
 17695-P 17840-I
 English 0600-0700 9550-U 13580-Kh 15765-
 Vl
 English 0700-0730 7330-Vl 9550-U 13580-
 Kh
 English 0730-0800 6005-Vl 7330-Vl 9550-U
 13580-Kh

English 0800-0900 6005-Vl 7330-Vl 9550-U
 13580-Kh 13660-U
 15195-Ch
 English 0900-1000 6005-Vl 9550-U 13580-
 Kh 13660-U 15195-Ch
 English 1500-1600 7260-U 7350-Ch 9660-X
 English 1600-1700 4965-D 4975-D 7260-U
 7305-N
 English 1700-1800 6125-I 7125-P 7235-I
 English 1800-1900 6125-I 7125-P 7235-I
 7335-Ch
 English 1900-2000 7335-Ch
 English 2000-2200 5955-U
 Hindi 1300-1400 7280-N 7350-Ch 9885-D
 11500-D 12055-M
 Hindi 1500-1530 7110-Sa 7280-N 7305-N
 9885-D 12055-M
 Japanese 1200-1300 5920-I 6180-P
 Japanese 1300-1400 5920-I 6005-Ko 6180-P
 Korean 1000-1100 5920-I 6095-I
 Korean 1200-1300 5940-N 6095-I
 Korean 1400-1500 6005-Ko
 Mongolian 1300-1400 5930-Vl 5940-N
 Russian_WS 0200-0400 9550-U 12090-I 13580-
 Kh 15455-Kh 15530-P
 15735-Ko 15765-Vl
 17695-P 17840-I
 Russian_WS 1300-1400 6170-Kh 7260-U 9800-I
 11630-M 12025-M
 Russian_WS 1400-1500 5940-N 6170-Kh 6180-P
 7110-Sa 9800-I 9885-D
 11500-D 11630-M 12055-
 M
 Russian_WS 1600-1700 7110-Sa 9885-D
 Urdu 1200-1300 7350-Ch 9865-N 11500-D
 12025-M
 Urdu 1400-1500 7305-Ch 7305-N 12025-M
 Vietnamese 1200-1300 6140-Ch 11630-M
 To Near/Middle East
 Arabic 1600-1700 5910-SP 6105-N 7270-M
 9280-D
 Arabic 1700-1800 5935-SP 6005-Kr 7130-SP
 7155-M 7510-D 9280-D
 Arabic 1800-1900 6060-SP 6140-Kr 7155-M
 7305-M 7510-D 9280-D
 Arabic 1900-2000 5975-N 6060-SP 6140-Kr
 7305-M 7510-D 9280-D
 Arabic 2300-2400 6175-W
 Dari/Pushto 1300-1500 4965-D 4975-D 9830-Kr
 9900-Sa 11975-Kr 12100-
 M
 English 1600-1700 4965-D 4975-D 9470-M
 English 1700-1800 4975-D 7270-M 9470-M
 English 1800-1900 4975-D
 Persian 1500-1700 5925-Kr 5935-SP 6020-Sa
 7155-M 7510-D
 RMR 1500-1600 5945-N 5985-M 13755-W
 RMR 1600-1800 5945-N 5985-M
 RMR 1900-2000 4975-D
 Russian_WS 1300-1400 15150-M

Russian_WS	1400-1500	7110-Sa	15150-M	French	1800-1900	6130-M	7295-Ch
Russian_WS	1600-1700	6005-Kr	7110-Sa	French	1900-2000	5920-SP	6130-M 7115-M
Russian_WS	1800-1900	5985-M				7195-M	
Russian_WS	2000-2200	7285-Ka		French	2000-2100	5920-SP	6130-M 7115-M
Turkish	1500-1600	5910-SP	6005-Kr 7270-M			7195-M	7340-N
		9470-M	9850-SP				
To North America				To Baltic States			
English	0200-0300	6240-Cs	7250-Y 12040-Vl	Russian_WS	2000-2100	5940-Sa	7290-M
		13735-Vl		Russian_WS	2100-2200	7170-M	
English	0300-0400	6155-W	6240-Cs 7350-Va	RMR	2000-2100	7170-M	
		12040-Vl	13735-Vl	Russian*	1500-1700	6045-Sa	
English	0400-0405	6155-W	6240-Cs 7150-Kr	Russian*	1600-1700	6045-Sa	
		7350-Va	9840-P 12010-Ko	Russian*	1900-2000	5940-Sa	
English	0405-0500	6155-W	6240-Cs 7150-Kr	To Europe			
		7350-Va	9840-P 9855-Vl	Albanian	1600-1630	7105-M	7340-SP
		12010-Ko	12030-P	Bulgarian	1800-1900	5975-Ka	
		12040-Vl		Bulgarian	2000-2100	6000-Sa	6170-I
English	0500-0600	7150-Kr	7350-Va 9840-P	Czech	1845-1930	6030-Sa	6045-SP
		9855-Vl	12040-Vl	Czech	1900-1930	6235-Y	
Russian_WS	0200-0300	6155-W	7150-Kr 7350-Va	English	2100-2200	7290-M	7330-M
		12010-Ko	12030-P	English	0700-0800	11615-M	11635-M
Russian_WS	0300-0400	7150-Kr	12010-Ko	English	0800-1000	11615-M	
		12030-P		English	1500-1600	5905-M	
RMR	0000-0300	7125-Cs		English	1600-1700	6130-M	7320-M
RMR	0300-0400	7125-Cs	7250-Y	English	1700-1800	7320-M	
RMR	0400-0600	7125-Cs		English	1800-1900	6055-Kr	6175-Kr 7105-M
To Belorussia						7320-M	
Russian*	1500-1700	6045-Sa		English	1900-2000	6175-Kr	7105-M 7290-M
Russian*	1900-2000	5940-Sa		English	2000-2100	6145-M	7105-M 7330-M
Russian_WS	2000-2100	5940-Sa		Finnish	1800-1830	6055-Kr	6175-Kr
Russian_WS	2100-2200	6105-M		French	1700-1800	6130-M	7195-M 7330-M
To Caucasus				French	1800-1900	5950-Ka	6130-M 7330-M
Russian_WS	2000-2200	7285-Ka		French	1900-2000	5920-SP	5950-Ka 6130-M
Russian_WS	2100-2200	7285-Ka				7115-M	7195-M 7330-M
RMR	1500-1800	5985-M		French	2000-2100	5920-SP	5950-Ka 6105-M
Russian*	1500-2000	7285-Ka				6130-M	7115-M 7195-M
To Central Asia				French	2100-2200	5950-Ka	6130-M 7300-Kr
Russian_WS	1300-1400	11630-M	12025-M	German	1000-1100	9720-Ka	11615-M 15540-Kr
Russian_WS	1400-1500	11630-M		German	1100-1300	11615-M	
RMR	1500-1600	5945-N	12025-M	German	1600-1700	6145-M	7290-Sa
RMR	1600-1800	5945-N		German	1700-1800	6145-M	7290-Sa 7300-Sa
Russian*	1300-1400	6185-Sa	7135-M	German	1800-1900	6145-M	7300-Sa
Russian*	1400-1500	5945-N	6185-Sa 7135-M	German	1900-2000	6145-M	
Russian*	1500-1600	5995-I	6185-Sa 7135-M	Greek	1900-2000	5985-M	6170-I 7155-Sa
Russian*	1600-1700	5995-I	6185-Sa	Hungarian	1800-1845	6030-Sa	6045-SP
Russian*	1700-1900	5995-I		Italian	1800-1900	6000-SP	7115-M 7195-M
To Africa				Norwegian	1830-1830	6055-Kr	6175-Kr
Arabic	1600-1700	5920-SP	7230-M 7270-M	Polish	1800-1900	5830-D	5940-Sa 6235-Y
		9280-D		Portuguese	2200-2300	5920-Sa	6145-M 7340-N
Arabic	1700-1800	5920-SP	6005-Kr 7230-M	Romanian	1700-1800	6045-SP	6175-Sa
		9280-D		Russian_WS	2100-2200	6105-M	7170-M
Arabic	1800-1900	5920-SP	7230-M 9280-D	Russian_WS	1300-1400	11615-M	
Arabic	1900-2000	7230-M	9280-D	Russian_WS	1400-1500	5905-M	11615-M
English	1700-1800	4975-D	7270-M	Russian_WS	1800-1900	7290-M	
English	1800-1900	4975-D	7270-M 7335-Ch	Russian_WS	2000-2100	7230-M	7290-M
		11510-Y		RMR	0000-0600	7125-Cs	
English	1900-2000	7335-Ch	11510-Y	RMR	0800-0900	11635-M	
French	1700-1800	6130-M	7195-M 7295-Ch	RMR	1800-2000	7310-N	
		11510-Y		RMR	2000-2100	7170-M	7310-N
				Russian*	2200-2300	6105-M	

Serb-Croat 2100-2230 5940-SP 6000-Sa
 Serb-Croat 1630-1800 5975-Ka 6000-M 7340-SP
 Slovak 1930-2000 5830-D 6045-SP 6235-Y
 Spanish 2110-2200 5920-Sa 6145-M 7340-N
 Swedish 1830-1900 6055-Kr 6175-Kr
 To Ukraine, Moldova

Russian_WS 2100-2200 6105-M
 Russian* 1500-1700 6045-Sa
 Russian* 1900-2000 5940-Sa
 Russian* 2200-2300 6105-M
 To South America, Central America
 Portuguese 0000-0100 5900-M 7170-M 7330-Sa
 7560-D
 Russian_WS 0200-0300 6195-SP 7260-M
 Russian_WS 0300-0400 7170-M 7260-M
 Spanish 0100-0200 5900-M 5945-Kr 6195-SP
 6240-Cs 7170-M 7330-Sa
 7560-D
 Spanish 0200-0300 5900-M 5945-Kr 7170-M
 7330-Sa 7560-D 9945-D

Russian* = "Commonwealth" program

Transmitting sites:

Ch: Chita
 Cs: Chisinau
 D: Dushanbe
 I: Irkutsk
 Ka: Kaliningrad
 Kh: Khabarovsk
 Ko: Komsomolsk-na-Amure
 Kr: Krasnodar
 M: Moscow
 N: Novosibirsk
 P: Petropavlovsk-Kamchatskiy
 Sa: Samara
 SP: S-Petersburg
 U: Ussuriysk
 Va: Vatican
 Vl: Vladivostok
 W: Wertachtal (Germany)
 X: Xian (China)
 Y: Yerevan

(via Vadim Alexeew-RUS, VoR Russian world service,
 DX program editor; via WWDXC-Germany BC-DX Nov
 23, formatted by ye olde ed.)

Winter B-07 of **Radio Rossii** in Russian:

0500-0800 9840 MSK
 0820-1300 12075 MSK
 1320-1600 7310 MSK
 1620-2200 5905 MSK

Winter B-07 schedule of **Tatarstan Wave** in Ta-
 tar/Russian:

0510-0600 15105 SAM
 0710-0800 9860 SAM
 0910-1000 11915 SAM

(DX Mix—Bulgaria)

Tuva local program on 6100 kHz 0610-0700 and
 0810-0900 [http://www.tuva.ru/in-
 dex.php?name=News&op=article&sid=19](http://www.tuva.ru/index.php?name=News&op=article&sid=19)
 (Vladimir Kovalenko, Tomsk / "open_dx" via Rus-DX
 Dec 9/DX Listening Digest/ Hauser-OK)

RUSSIA (non) Winter Schedule of **WYFR Family
 Radio** via TRW (TV Radio Waves):

0900-1100	English	9460 IRK
1000-1100	Japanese	7150 NVS
1100-1200	Korean	9460 IRK
1100-1200	Tagalog	11510 A-A
1100-1300	Chinese	12150 A-A
1100-1500	Chinese	5995 P.K 6115 IRK 7165 P.K
1200-1300	Vietnamese	7175 IRK 7560 A-A
1200-1300	Indonesian	9450 NVS 9485 IRK
1200-1300	Korean	6005 K/A
1300-1400	English	7175 IRK 7560 A-A 9485 IRK
1300-1400	Burmese	9310 A-A
1300-1500	Chinese	7535 A-A
1400-1500	Vietnamese	9485 IRK
1400-1500	Kannada	5970 SAM
1400-1500	Nepali	7340 IRK
1400-1500	Telugu	6020 SAM
1400-1500	Gujarati	5900 SAM 9355 KCH
1400-1500	English	6225 DB 7560 A-Al
1400-1500	Tamil	7475 DB
1400-1600	Urdu	7175 ARM
1400-1600	English	5920 TCH
1400-1600	Bengali	7505 TAC
1400-1700	Hindi	5865 DB
1500-1600	Punjabi	5900 SAM
1500-1600	Marathi	7340 IRK
1600-1700	Punjabi	6070 ARM
1600-1700	Urdu	7295 NVS
1600-1800	Persian	7485 SMF
1700-1900	Russian	7435 TAC
1800-1900	Arabic	7345 SAM
1800-1900	German	7490 A-A
1800-1900	Polish	5820 TAC
1900-2000	Spanish	NF 7490 KCH, ex- 7210 NVS
1900-2000	German	7240 SAM
1900-2000	English	7345 SAM
1900-2000	Italian	6000 MSK
1900-2100	French	7300 ARM

(DX Mix—Bulgaria)

SERBIA (non) Winter B-07 schedule of **Interna-
 tional Radio Serbia** from Dec.19:

0030-0058	Serbian	7115 BIE Mo-Sa
0030-0128	Serbian	7115 BIE Su
0100-0128	English	7115 BIE Mo-Sa
0130-0158	Italian	7115 BIE
0200-0228	English	7115 BIE
1100-1358	Serbian	7240 BIJ
1400-1428	English	7240 BIJ
1430-1458	Serbian	7240 BIJ

1500-1528	Spanish	7240 BIJ	0400-0425	Spanish	6175 SAC
1530-1558	Arabic	7240 BIJ	0430-0525	Vietnamese	6175 SAC
1600-1628	Russian	7240 BIJ	1800-1825	English	5955 MOS
1630-1658	French	7240 BIJ	1830-1925	Vietnamese	5955 MOS
1700-1728	German	7240 BIJ	1930-1955	French	5955 MOS
1730-1743	Chinese	7240 BIJ	2000-2025	Russian	5970 WOF
1745-1758	Albanian	7240 BIJ	2030-2125	German	3985 SKN Su-Th
1800-1813	Hungarian	7240 BIJ	2030-2100	German	3985 SKN Fr/Sa
1815-1828	Greek	7240 BIJ	2030-2100	German	3985 SKN Fr/Sa
1830-1858	Italian	7240 BIJ	2130-2125	Vietnamese	7150 WOF
1900-1928	Russian	6100 BIE 7240 BIJ			
1930-1958	English	6100 BIE 7240 BIJ			
2000-2028	Spanish	6100 BIE 7240 BIJ			
2030-2058	Serbian	6100 BIE 7240 BIJ Su-Fr			
2030-2128	Serbian	6100 BIE 7240 BIJ Sa			
2100-2128	German	6100 BIE 7240 BIJ Su-Fr			
2130-2158	French	6100 BIE 7240 BIJ			
2200-2228	English	6100 BIE 7240 BIJ			

(DX Mix—Bulgaria)

UNITED KINGDOM Frequency changes for **BBC**:

1300-1330	Indonesian	NF 9670 SNG, ex-9540
1345-1430	Burmese	NF 9580 SNG, ex-9540

(DX Mix—Bulgaria)

Winter B-07 of VT Communications Relays:

Radio Prague:

0000-0027	Spanish	11665 ASC
0100-0127	Spanish	11665 ASC
0200-0227	English	5995 SAC
0400-0427	English	5990 SAC
1100-1127	French	17515 ASC
1300-1327	German	9750* WOF
1330-1357	English	9750* WOF
2330-2357	Spanish	6000 SAC

China Radio International:

0000-0057	Spanish	9745 BON
1100-1157	Portuguese	15540 SGO
1200-1257	Chinese	15540 SGO
1300-1357	English	15540 SGO
1500-1757	English	6100 MEY
1800-1857	Chinese	6100 MEY
2100-2157	Portuguese	17645 SGO

Gospel for Asia:

0000-0130	SEAlangs	6140 DHA
1230-1500	SEAlangs	9510 DHA
1230-1500	SEAlangs	15215 WOF
1600-1630	SEAlangs	9820 DHA
1615-1630	SEAlangs	9820 DHA Su-We
2300-2400	SEAlangs	6040 DHA

Voice of Vietnam:

0100-0125	English	6175 SAC
0130-0225	Vietnamese	6175 SAC
0230-0255	English	6175 SAC
0300-0325	Spanish	6175 SAC
0330-0355	English	6175 SAC

Adventist World Radio:

0100-0200	Vietnamese	15445 TAI Sa
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Sudan Radio Service:

0300-0330	English	5975 KIG Mo-Fr
0330-0500	Arabic	7280 DHA Mo-Fr
0500-0530	Arabic	9525 DHA 13720 DHA Mo-Fr
0530-0600	English	9525 DHA 13720 DHA Mo-Fr
1500-1530	Arabic	9840 MSK Mo-Fr
1530-1600	English	9840 MSK Mo-Fr
1600-1700	Arabic	9840 MSK Mo-Fr
1500-1530	English	9840 MSK Sa/Su
1530-1600	Arabic	9840 MSK Sa/Su
1600-1645	Toposa	9840 MSK Su
1700-1730	Dinka	9840 DHA Mo
1700-1730	Zande	9840 DHA Tu
1700-1730	Nuro	9840 DHA We
1700-1730	Bari	9840 DHA Th
1700-1730	Shiluk	9840 DHA Fr
1730-1800	English	9840 DHA Mo-Fr

Radio Solh/Radio Peace:

0200-0300	Dari/Pash	5995 DHA 11675 RMP
0300-1200	Dari/Pash	11675 DHA
1200-1500	Dari/Pash	15265 RMP
1230-1330	Dari/Pash	13830 RMP
1500-1800	Dari/Pash	9875 RMP

Leading The Way:

0330-0400	Persian/En	5975 SKN Fr
0330-0400	Russian/En	5975 SKN Su

RTA Radio Algeria "Holy Qu'ran Service:"

0400-0500	Arabic	6125 WOF
0400-0600	Arabic	6090 RMP
0500-0600	Arabic	6025 WOF
1900-2100	Arabic	11815 RMP
1900-2100	Arabic	9455 WOF
2100-2300	Arabic	9850 SKN
2100-2300	Arabic	5915 RMP

Radio Okapi:

0400-0600	Fr/Lingala	9635 MEY
1600-1700	Fr/Lingala	11890 MEY

WYFR:

0500-0600	German	3955 SKN
1230-1330	Bengali	12010 DHA
1400-1500	Hindi	15520 DHA
1400-1500	Marathi	9855 DHA

1500-1600	English	12015 DHA
1600-1700	Portuguese	6000 MEY
1600-1700	English	12010 DHA
1600-1700	Portuguese	15260 MEY
1700-1800	Amharic	6045 DHA
1700-1800	Arabic	9530 RMP
1700-1800	English	3955 SKN 9785 MOS 21680 ASC
1800-1900	English	7240 SKN 9785 SKN 9895 DHA
1800-1900	Arabic	9660 SKN
1830-1930	French	17660 ASC
1900-2000	English	7160 DHA
1900-2000	Swahili	9660 MEY
1900-2000	Arabic	5965 RMP
1900-2000	French	9685 DHA
1900-2100	English	3230 MEY
2000-2200	English	15195 ASC
2030-2130	French	5965 RMP
2115-2315	English	11875 ASC

BBC Darfur Salaam:

0500-0530	Arabic	5950 SKN 6035 SKN
1700-1730	Arabic	5965 RMP 9760 CYP

BBC World Service:

0500-0700	English	5895* KVI
0700-0800	English	5875* KVI
1700-2000	English	5895* KVI
2000-2300	English	5875* KVI

Radio Mustaqbal:

0545-0615	Somali	15400 MEY Mo-We
0545-0615	Somali	15400 DHA Sa
0620-0650	Somali	15400 DHA Mo/Tu/Sa
0730-0800	Somali	15530 DHA Mo-We/Sa
0805-0835	Somali	15530 DHA Mo/Tu/Sa
1130-1200	Somali	15340 DHA Mo-We/Sa
1205-1235	Somali	17660 MEY Mo/Tu/Sa

Southern Sudan Interactive Radio Instruction:

0600-0630	English	15445 DHA 15525 ARM Mo-Fr
0630-0700	English	15445 DHA Mo/We/Fr
0630-0700	English	15675 MEY Mo/We/Fr
1400-1430	English	15390 ARM 15675 MEY Tu/Th/Sa

Radio Vlaanderen Internationaal:

0700-0757	Dutch	9790 SKN
1800-1857	Dutch	6040 SKN

KBS World Radio:

0700-0800	Korean	9870 SKN
1430-1500	English	9750* WOF Fr
1800-1900	Russian	7235 RMP
1900-2000	Arabic	7180 RMP
2000-2100	German	3955 SKN
2100-2200	French	3955 SKN
2200-2230	English	3955 SKN

Star Radio to Liberia:

0700-0730	En/Local	9525 ASC
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West Africa Democracy Radio:

0700-0800	English	11975 SKN
0800-0900	French	17860 SKN
0900-1000	English	17860 SKN
1000-1100	French	17860 SKN

Cotton Tree News to Sierra Leone:

0730-0800	En/Local	9525 ASC
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Trans World Radio Africa:

0830-0915	French	11985 ASC
1300-1315	Afar	13745 KIG Fr/Sa
1730-1800	Tigrinya	9745 DHA Fr
1800-1845	Amharic	9590 DHA

UNMEE:

0900-1000	En/Others	15440 DHA Su
1030-1130	En/Others	15440 DHA Tu

CVC International:

1000-1100	English	11815* MOS
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Free North Korea Radio:

1000-1100	Korean	9730 TAI
1300-1400	Korean	9930 WHR Mo-Fr
2000-2030	Korean	7510 NVS
2030-2130	Korean	9645 TAI

Radio Japan NHK World:

1100-1130	English	9750* WOF Fr
1130-1200	Russian	9750* WOF Fr

Eternal Good News:

1130-1145	English	15525 DHA Fr
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Radio Taiwan International:

1200-1300	English	9750* WOF Fr
1900-2000	German	3955 SKN
1900-2000	French	3985 SKN

Radio Free Chosun:

1200-1300	Korean	9950 TAI
1330-1400	Korean	9950 TAI

Cornerstone Ministries International/Voice of Wilderness:

1300-1330	Korean	9940 TAI
2000-2030	Korean	9795 TAI

Shiokaze:

1400-1430	Korean	5985 YAM
2030-2100	Japanese	5965 YAM

Radio New Zealand International:

1400-1430	English	9750* WOF Sa
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Little Saigon Radio:

1500-1530	Vietnamese	7390 TAI
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Furusato no Kaze/Wind of Hometown:
1600-1630 Japanese 9780 TAI

Nippon No Kaze:
1700-1730 Korean 9820 TAI

HCJB Global:
1700-1730 Russian 9805 SKN
2100-2145 Arabic 12025 SAC

SW Radio Africa:
1700-1900 English 4880 MEY 7125 WOF

Voice of Meselna Delina:
1800-1830 Tigrigna 12015 HRA Mo-Fr

Eglise du Christ:
1900-1930 French 7260 SKN Th

Voice of Biafra International:
2000-2100 English 15665 HRI Fr

Radio Republica:
0000-0200 Spanish 6155 RMP
0200-0400 Spanish 6100 SAC
2200-2400 Spanish 6135 RMP

Cyprus Broadcasting Corporation:
2215-2245 Greek 6180 CYP 7210 CYP 9760 CYP
Fr-Su

*DRM
(DX Mix—Bulgaria)

UNITED STATES Frequency change of IBB:

0000-0030 NF 7205 UDO, ex-7200 **VOA** Special
English
0030-0100 NF 7205 UDO, ex-7200 **VOA** Special
English
0100-0200 NF 7205 MOR, ex-7200 **VOA** English
0200-0300 NF 7205 IRA, ex-7200 **VOA** Special
English
0130-0230 13815 IRA, add'l **RFA** Burmese
0130-0230 11795 IRA, add'l **RFA** Burmese
0400-0500 NF 5940 LAM, ex-9430 **RL** Tatar-
Bashkir
1300-1400 13580 LAM, add'l **VOA** Amharic

1300-1400 15600 MOR, add'l **VOA** Amharic
1330-1430 13815 IRA, add'l **RFA** Burmese
1330-1400 11795 IRA, add'l **RFA** Burmese
1400-1430 11795 KWT, add'l **RFA** Burmese
1400-1500 NF 5840 TIN, ex-5855 **RFA** Cantonese
1600-1630 NF 3965 BIB, ex-9615 **RFE** Romanian
1600-1700 NF 5840 TIN, ex-6060 **VOA** Hindi
1600-1700 NF 6060 BIB, ex-5840 **RL** Uzbek
1600-1800 NF 9310 UDO, ex-11865 **VOA** Pashto
Deewa Radio
1700-1730 NF 3965 BIB, ex-7180 **RFE** Romanian
Mo-Fr
1700-1800 NF 9785 LAM, ex-11840 **RFE** Farsi
Radio Farda
1800-1900 NF 7425 UDO, ex-7405 **VOA** Urdu **Aap**
Ki Duniyaa
1930-1945 NF 5860 MOR, ex-5850 **VOA** Croatian
1930-2000 NF 9435 MOR, ex-7115 **VOA** Albanian
2000-2130 NF 7375 LAM, ex-9840 **RFE** Farsi
Radio Farda
(DX Mix—Bulgaria)

Frequency change for **KNLS**:

0800-1200 Chinese NF 6915 NLS, ex 7355
1300-1600 Chinese NF 6915 NLS, ex 7355

Frequency changes for **WYFR Family Radio**:

0305-0400 Spanish NF 6915 YFR, ex 6875
0400-0600 English NF 6915 YFR, ex 6875
0600-0700 Spanish NF 6915 YFR, ex 6875
0700-1100 English NF 6915 YFR, ex 6875
1100-1200 Spanish NF 6915 YFR, ex 6875
1200-1245 French NF 6915 YFR, ex 6875
2000-2200 English NF 6915 YFR, ex 6875
2200-2245 Portug. NF 6915 YFR, ex 6875

Frequency change for **Voice of Meselna Delina**
in Tigrigna Mo-Fr:

1800-1830 NF 12015 HRA, ex 17650, tx WHRI
Angel # 5

(DX Mix—Bulgaria)



FOR SALE: Eton E1xm. Like new, \$250.00 plus \$10.00 Shipping.
Drake R8B in excellent condition, \$900.00. MFJ 1026 noise canceller
in excellent condition, \$125.00 plus \$15.00 shipping. Includes all
manuals and line cords. John M. Grammarossa, 4101 Meadowlark
Lane SE, Apt. #142. Rio Rancho, NM 87124. Email
john87124@juno.com or phone 505-891-1565 evenings.

Pirate Radio Report

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Hello and welcome to the January 2008 edition of *The Pirate Radio Report!* I hope all of you had a great Christmas and New Year celebration. Maybe Santa left some of you a new Eton E1 or other receiver under the tree. Many thanks to the following fine folks you made this month's column possible: Brian Alexander-PA, Joe Wood-TN, George Zeller-OH.

Captain Morgan named after the rum of the same name. was logged on 6925 USB from 2312 sign on to 2349 sign off on December 15th. Programming started with some jazz piano mx and then went into holiday songs such as Let It Snow and Feliz Navidad. Also some strange novelty tunes, making the program hard to follow. Clear IDs w/usual slogan of "You're in the Pirate Zone." Gave no address. Said send reports to the Free Radio Network. www.frn.net [Zeller-OH]

Channel Z Radio, logged 6925 USB from 2123 sign on to 2222 sign off on December 1st. Announced as their third anniversary broadcast by OM announcer. Various rock mx said to be in the old freeform FM format that you don't hear on FM anymore according to the station. Various rock artists including Queen and also David Bowie's "Panic in Detroit." Gave channelzradio@gmail.com address and also Blue Ridge Summit address for reports Slogan of "the only channel you'll ever need." Show appeared to be a rebroadcast of a show originally aired at 1426 on 11/23. [Zeller-OH]

Family Radio Inc. Shortwave, a parody of WYFR-Family Radio, noted on 6925 USB from 2155 until 2223 sign off on December 16th. A strange production that was an obvious parody of WYFR. Brother Levi suggests that you send in money so that he can get a Lexus. Also, listeners advised to send in money for a sex change. Some religious tunes and gave address and phone number in Oakland, CA to send in money. Some holiday tunes. At times the ID was Family R. Inc. and at other times it was Family R. Shortwave Did not appear to give a QSL

address. (Zeller-OH) This was in response to WYFR taking up residence on 6915 kHz, causing interference to the pirates in the area.

Random Radio, logged 6925 kHz USB from 0057 to 0105 sign off on December 1st. IDs over instrumental mx at in English, German and Esperanto? Program format this time was jazz mx, some vocal and some instrumental. At close, they played a jazz version of Jingle Bells, for the only holiday tune of the set. No address noted, but requested reports to FRN. [Zeller-OH]

WBNY—Radio Bunny, noted on 6925 at 2108 UTC December 7th. Opening with chimes, then into a mish-mash of voices and sound effects, way under modulated and repeats of "monkey," mentions of WBZ, attention and Jay Smilkstein, all of which were barely audible. Finally a couple of mentions of the "WBNY Christmas Special", at 2117. I don't think I'll vote for this guy. (Dexter-WI) Come on Jer, I'll send you my extra bumper sticker!

Weekend Music Radio, the *Scottish* based pirate, noted on 6399.91 kHz from 0507-0530 UTC on December 9th. Pop music of the 70s. IDs. Poor to fair. Must use Exalted Carrier Single Side Band-USB to avoid RTTY QRM on low side. (Alexander-PA)

Wolverine Radio, noted on 6925 USB at 0251 to 0300 UTC sign off on December 22nd. Tentative log of this station. I only heard two partial IDs. Rock music from the 1980s. Poor. [Wood-TN]

WHYP—The James Brownyard Memorial Station, was heard with their classic "Brownyard Family Christmas" show on 6925 USB from 1610 past 1645 UTC on December 25th. This show gives us a history lesson of the real WHYP, which operated on 1530 kHz, AM from Northeast, PA in days gone by. [Lobdell-MA]

Happy Pirate DX!



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

ALBANIA: China Radio International 7285 via Cerrik email reply in 8 ds. for an email rpt. to Ying Lian of the English Service. (D'Angelo-PA).

EGYPT: Radio Cairo 9900 via Abis "Statue" cd. in 4 mos w/ EG schedule. (Barto-CT)

GERMANY: Trans World Radio 6105 via Wertachtal email reply in 2 ds. for an email rpt. to v/s Walter Brodowsky at T-Systems. (D'Angelo-PA).

HAWAII: Open Radio for North

*Korea 9930 via KWHR. The QSL came from WHRI in Indiana. It was the "20 Years of World Harvest Radio" cd. It was rcvd. in 40 ds. w/ the notation "ONKR" on



CHRIST
OFFRE LA
REDEMPTION
DIVINÉ À L'
AFRIQUE
CENTRALE




CONFIRMS SWL REPORT OF: Samuel Barto
DATE 19/3/25 TRANSMITTING ON
TIME 0430 - 0454 GMT 3985 KHz 75 meter Band
4940 KHz 60 meter Band
KHz 4900 1400 KHz Medium Wave
CALL LETTERS 941224 93.5 MHz F. M.
REMARKS Keep Listening! TNX 73 B. Clayton

STATION NOTES: Radio Virgen del Carmen 4885 v/s Jose Santos Lopez Alvarado, Director General. Addr: Plaza Bolognesi 142 Cercado, Huancavelica, Peru. Email: jlopez_alvarado@hotmail.com Radio Vision 4386 and 4790 Email: informes@visionradiooperu.com v/s Jorge Tesen, Director. Addr: Jiron Juan Panning 457, Urbanizacion San Juan, Chiclayo, Peru. -also- Email: iplacosechal@yahoo.es Radio Willkamayu 10354 v/s Julio Tello Aguilar, Gerente. Radio Pilipinas Overseas Service 15270 v/s Mrs. Tanny V. Rodriguez, QSL Secretary. Addr: 4th Floor, PIA Bldg., Visayas Avenue, Quezon City, Philippines. Radio Veritas Asia 15450 Addr: P.O. Box 2642, Quezon City, PH-1166, Philippines. v/s Miss Cleofe R. Labindao, Audience Relations Officer. ...via PLAY DX...Sam.



ORGANIZATION FOR HUMAN RIGHTS AND FUNDAMENTAL FREEDOMS FOR IRAN

876 Jan. 1995

Mr. Samuel BARTO
47, Prospect Place
Bristol, CT. 06010
U.S.A.

Dear Sir / Madam,

We hereby acknowledge the receipt of your radio reception report dated 21.04.94 as follows:

Date: 21.04.94
Time: 04.00 to 04.13 UTC
Frequency: 5350.0 KHz.
SINPO :

Thank you for the information and comments you gave us, they were very useful for our broadcasting programmes and help for delay

the cd. (D'Angelo-PA)
ICELAND: Armed Forces
* Network 7590 via Grindavik cd. rcvd. in 1 wk. for an April 2006 reception. The rpt. was sent to the Riverside, CA address. (Renfrew-NY).
IRAN: Voice of the Islamic Republic of Iran 15200 via Sirjan cd. in 3 mos. w/ lots of station goodies. (Barto-CT). 15275 via



RÁDIO NACIONAL DE ANGOLA

Caro Senhor

Acusamos a recepção de sua carta, sobre as condições de escuta de nossa estação emissora, na frequência de 3315 KHz, aos 21/12/77 no período das 10 às 11 e das 19 às 20 horas GMT.

Cher Monsieur

Nous remercions votre lettre et vos informations sur nos conditions d'auditions sur la fréquence de 3315 KHz, le 21 des 12 heures TMG.

Dear Sir

We received your letter listening conditions of broadcast on short wave frequencies of 3315 KHz, listened by you 21/12/77 from 10 to 11 GMT.

Rádio Nacional de Angola
DIREÇÃO DOS Programas
O Director PAV

Ca. Postal 1329 • Caixa 3000 Emissora AN — Luanda-República Popular de Angola

Teheran same in 4 mos. (Barto-CT).

IRAQ: Voice of Iraqi Kurdistan

* 6335 the station verified my email rpt. in 45 minutes. It was sent to the Kurdistan Democratic Party - Iraq's Information Office and signed by Alex Atroushi at (party@kdp.se). He describes the station as "the first free radio for the Kurds" and that it was established during the September revolution of the Kurdistan in September 28th, 1963. Alex further says that at the beginning the equipment consisted of to gether to form a shortwave station. A number of technicians, editors and guards were killed by the air raids. (D'Angelo-PA)..Very nice!

some old military wireless sets joined transmitter. The center of broadcasting was in a cave deep in the Kurdistan mountains Salah-Addin, north of Erbil. The station was a target of the Iraqi air force for many years.



Swiss Radio International
Radio Suisse Internationale
Schweizer Radio International
Radio Svitze International
Radio Svitze International

QSL

January 23 1998

13:00 to 14:00 UT

7.480 MHz



Masao Hosoya
1-1-19 Sengen-cho
Tokyo, kurume-shi
Higashi 203-0012
JAPAN

STATION NOTES: Radio Clube

Paranaense 6040 v/s Mrs. Marisa Zanon, Gerente Administrativa. Addr: Rua Rockefeller 1311, Reboucas, Prado Velho, CEP 80230-130 Curitiba, Parana, Brasil. Radio Cultura de Pocos de Caldas 4945

v/s Francisco de Assis Araújo, Diretor. Radio Gua-
ruja, Diretor. Addr: Rua Caldas Junior 219, 2 andar, CEP 90019-800, Porto Alegre, RS, Brasil. Radio Guarujá Paulista 5045 v/s Orivaldo Rampazu, Diretor Presidente. Addr: Rua Jose Vaz Porto 175, Santa Rosa, Guarujá, CEP 11431-190, sao Paulo, Brasil. Email: atendimento@radioguarujaa.com.br ...via PLAY DX...Sam

iba 11785 and 6000 v/s Aldemar J. Dallanora; Diretor. Addr: Rua Caldas Junior 219, 2 andar, CEP 90019-800, Porto Alegre, RS, Brasil. Radio Guarujá Paulista 5045 v/s Orivaldo Rampazu, Diretor Presidente. Addr: Rua Jose Vaz Porto 175, Santa Rosa, Guarujá, CEP 11431-190, sao Paulo, Brasil. Email: atendimento@radioguarujaa.com.br ...via PLAY DX...Sam

Union of Myanmar
Ministry of Information
Myanma Radio & Television (M.R.T.V)
Pyay Road, Yangon

(Fax. +95(1)525428 - Phone: +95(1) 814)

Date : 13th November 2003

To.

George L. Grotzsch
907 Cottonwood Street
New Ulm
MN 56073
USA.

Dear Sir,

I was delighted to receive your letter and thank you for your reception report. I am pleased to verify your reception of Radio Myanmar. I enclose our Media Index and Daily Programme and hope that it would interest you.

I wanted to reply you as soon as I receive I your letter but I couldn't because of my busy works schedule. I'm really sorry for my late reply.

IRELAND: Radio Tele-

fis Eireann 17860

(probably via UK site) date only ltr. in 50 ds. from Mary Farrell signing on behalf of Ana Leddy, Head of RTE Radio 1 (D'Angelo-PA).

PALAU: T88BZ Voice of

Hope 9965 f/d cd.

of the "Voice of Hope World Network" in 148 ds. from v/s Ben Chan, T88BC, Engineering Manager. He sent along some Palau postage stamps and a station sticker. (D'Angelo-PA).

PERU: Radio Santa Ana

* 4965.8 f/d personal ltr. from v/s Nicolás Cordova

VERIFICATION OF RECEPTION
(QSL) form
VOICE OF AMERICA
Washington, D.C. 20237
USA

We are pleased to confirm your reception.

Date: 22 Jan. 2004

UTC Time: 0257-0331

Frequency: 7,265 kHz

Site: Ascension Island

VOA transmits programs to Africa from the IBB Sao Tome Transmitting Station located at Pinheira on the island of Sao Tome, which is 200 miles off the west African coast at the equator.

5-22-2004

Richard A. D'Angelo
2216 Burkay Dr.
Wyomissing, PA
19610



Orozco, Gerente Proprietario in 629 ds. for a SP rpt. and US \$1.00. I also rcvd. an over-sized station pennant, a "Certificado de Excelencia" signed by the v/s and a photo of their telecom satellite dish. This is the second reply rcvd. from the station. The initial reply was in January of 2006. (D'Angelo-PA).

POLAND: Radio Polonia 9525 cd. in 3 mos. (Barto).
ROMANIA: Radio Romania International 9595 and

11970 via Galbeni f/d cds. in 4 mos. w/ station sticker and various schedules. (Barto-CT).

SAO TOME: Voice of America 9565 f/d "Morocco Transmitter Site" cd. in 3 mos. (Barto-CT).

STATION NOTES: Italian Radio Relay Service 5775 and 9310 Email: info@nexus.org Addr: P.O. Box 10980, IT-20110 Milano, Italy. RAI Prato Smeraldo 6195 Addr: Box 320, IT-00100 Roma, Italy. Mystery Radio 6220 v/s Andy Walker, QSL Manager. Email: mysteryradio@googlemail.com Radio Free Speech News 13840 via Italian Radio Relay Service. v/s Chandra Hauptman Addr: 1929 Martin Luther King Jr. Way #73, Berkeley, CA 94704. Radio Marabu 5775 via Italian Radio Relay Service Addr: Postfach 1166, DE-49187 Belm, Germany...via PLAY DX..Sam.



РАДИО МОСКВА

Dear Mr. Comeau,

This verifies your report on the reception of Radio Moscow's broadcast in English

Date 22.11.92

Time 21.30-22.10 UTC

Frequency 4795 kHz via Kharkov
4860 kHz via Kharkov

Best wishes from RADIO MOSCOW

SRI LANKA: Voice of America 9780 via Iranawila f/d "Satellite Antennas

at the International Broadcasting Bureau Transmitting Station in Germany" cd. in 31 ds. (D'Angelo-PA). Deewa Radio 9980 via Iranawila "50th Year of Broadcasting" cd. in 3 1/4 mos. (Barto-CT).

USA: Radio Marti 13820 via Delano "Office of Cuba Broadcasting" cd. w/ ltr. in 4 mos. for an o5 reception. (Barto-CT). Deewa Radio 5850 site unknown cd. in 3 mos. (Barto-CT).

USA (Pirate): Undercover Radio 6925 the station verified my email rpt. w/ a f/d "Mobile Transmitter" cd. #528 in 85 ds. They also sent along a CD of the program broadcast by Dr. Benway. The cd. indicated that they use 1000 watts of power. (D'Angelo-PA).

Der Sonntag
gehört uns

Die Verdolung des Rundfunks greift um sich - erholen Sie sich davon bei uns Jeden
Sonntag auf 96 MHz

Neue Sendezeit: So 6 bis Mo 6 Uhr - Di 0 bis 6 Uhr

"Brodowsky, Walter" <Walter.Brodowsky@t-systems.com>

12/08/2004 07:26 AM

To: Rdangelo3@aol.com
cc: rdangelo@gnu.com, "Weyl, Ralf" <Ralf.Weyl@t-systems.com>
Subject: AW: Reception Report - Hamburger Lokalradio

Dear Richard,

Many thanks for forwarding this reception report to us with regard to a transmission of "Hamburger Lokal Radio" on short-wave which took place on Saturday, December 04/2004 and which we confirm. We forwarded your reception report to our Customer, too.

Your future reception reports also would be highly appreciated. Please feel free to send them to us and we will forward them to our Customers, too.

Yours sincerely,

Walter Brodowsky, Account Manager for short-wave broadcast

I hope everybody got that new receiver they wanted for the holidays.

Best of QSLs to everyone!

Contributors' Page

Bob Montgomery • 4621 C Street • Philadelphia, PA 19120 • rmonty23@verizon.net

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA
Scott BARBOUR, Intervale, NH
Rick BARTON, Phoenix, AZ
Jerry BERG, Lexington, MA
Bill BERGADANO, Freehold, NJ
Ralph BRANDI, Middletown, NJ
George CARAS, Saco, ME
Ross COMEAU, Andover, MA
Rich D'ANGELO, Wyomissing, PA
Gerry DEXTER, Lake Geneva, WI
Jim EVANS, Germantown, TN
Mark FERRIOLI,
Bob FRASER, Belfast, ME
Glenn HAUSER, Enid, OK
George HERR, Playa del Rey, CA
Ron HOWARD, Monterey, CA
Fred KOHLBRENNER, French Creek, PA
Steve LARE, Holland, MI
William McGUIRE, Cheverly, MD
Sheryl PASZKIEWICZ, Manitowoc, WI
Jim RENFREW, Byron, NY
Jim RONDA, Tulsa, OK
Mark SCHIEFELBEIN, Springfield, MO
Jerry STRAWMAN, Des Moines, IA
Mark TAYLOR, Madison, WI
Bill TILFORD, Chicago, IL
Ken WILSON, Georgetown, KY
Joe WOOD, Gray, TN

TenTec RX-340 AOR AR-7030 100' LW
R8, R-75, MLB-1, 200' Beverage
Drake R8, HQ140x, random longwires
R8 19, 41, 90 meter dipoles
Kenwood TS430s, Icom 718, 170' tuned inverted L
Elad FDM77, R8, etón E1 300' longwire
RX340, R8B, Orion, R30, SE3, 550lw, verticals
R8, 60' LW
TenTec R340, Lowe HF-150, DX Sloper
NRD-515, NRD-545, etón E1
RX340, 30 m wire, R8B LFE-H800 EF-SWL
DX160, ATS909, SG-622, random wire
Sony ICF-2003 ICF-SW100S 2m LW
FRG-7, DX-398, SW-07, ATS-909, YB400 lw
G303e, R8B, NRD535, 50' lw
NRD545, LW 160', etón E5
Drake R8, NRD-525, LW
Drake R7, R8, R8A & R8B, 70' & 200' wires
DX-380
ICOM R-8500, NRD345, AOR LA-350 loop
Drake R8B, various longwires
NRD-545, R75, etón E1, Eavesdropper
Kenwood R-5000, Wellbrook 330S loop
R-8, 313e, 60 mtr dipole, mini whip
R-75, Sat 800, EWE, Eavesdropper
Sat 800, s350
NRD545, 746Pro, R5000, ALA1530, 180' lw
DX-390, Grundig Mini 100 PE, whip antenna 

Company Store

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

Happy New Year! I hope everyone had a wonderful holiday season. It was heart warming to receive a few letters and emails from some of our member's loved ones. Yes it's true, some of our family members do read *The Journal* when we leave it laying about. I hope those lucky members are enjoying their gifts ordered from The Company Store. I think next year I'm going to use a highlighter and markup a few items in hobby magazines and leave them around the house.

The 2008 *WRTH* is expected any day now at the Company Store so those of you that pre-ordered the book should keep an eye out for the mailman. Thank you all for supporting NASWA and The Company Store this past year.

Peace in 2008, Jim Strader



Tropical Band Loggings

Dan Ferguson • 4205 Friendfield Trace • Little River, SC 29566 • troplogs@zerobeat.org

I first started on the NASWA staff in 1968, editing the entire "Log Report" as it was called at the time. Since then I've filled in off and on in various capacities—somewhat like a bad dream, I keep coming back! It's time to take another break, so this will be my last Tropical Loggings column. Your new editor is Scott Barbour, an experienced DXer who has been a regular contributor. I'm sure he will do a good job, probably better than I have done. His address is: Scott R. Barbour Jr., POB 893, Intervale, N.H. 03845. His email address is: srbjrswl@yahoo.com. Be sure to support him, as you have me. Dan

- 2310 **AUSTRALIA VL8A** Alice Springs 1100 good 21 November (Wilkner-FL River) 1100-1121 respectable signal, // 2485 not as strong; 12/10. (Wilkner-FL) 1116-1137 vocal selections hosted by a woman with ABC news at 1130. Fair and improving 12/17; //2325 (P-F) & 2485 (P). (D'Angelo/FCDX-PA) 1116-1137 Dec 17, vocal selections hosted by a woman with ABC news at 1130. Fair and improving with //2325 VL8T Tennant Creek (poor to fair) and 2485 VL8K Katherine (poor). (D'Angelo/FCDX-PA) 1230 "ABC News" after pop mx pgm, weak, but clear, and easily //ed to the signal from the Brisbane DX Tuners receiver; a new one for me; this was the strongest of the three; 12/4. (Renfrew-NY) 1955-2000 EE news; fair 11/29. (BOC 11)
- 2325 **AUSTRALIA VL8T** Tennant Creek 1100; fair 11/21. (Wilkner-FL River) 1956-2010; USB better, // 2310 fair/good 11/29. (BOC 11) 1324-1326 EE talk pgm, mx, not //9580. poor 12/1. (Herr-CA) 1220-1230+ ABC nx at 1230, after pop mx pgm, weak, but clear, and easily //ed to the signal from the Brisbane DX Tuners receiver. A new one for me. 12/4. (Renfrew-NY) 1240 EE "This is Saturday Night Country on Radio National" program with interview with female country singer and several of her songs; fair 11/15. // 2485 VL8K was poor. After 1300 // 2485 VL8A was also audible and poor (Taylor-WI) 1320 EE Saturday Night Country music program with tunes and guests on the phone, followed by ABC news update at 1330; fair 12/15. // 2485 good; 2310 almost inaudible. (Schiefelbein-MO)
- 2485 **AUSTRALIA VL8K** Katherine 1230-1240 ABC news in EE read by W; at 1237 a country music show; signal was good but had really bad QRN 12/15. Country music must really be BIG in aussie land?. (Wilson-KY) 1329 in EE //2325; nx at 1330; poor 12/1. (Herr-CA) 1100 best signal of the three 11/21. (Wilkner-FL River) 1238-1308 EE; first log of this station; W anc w/pgm „Saturday Night Country“ featuring country music artists from Australia; several IDs; very nicely done pgmg; good 12/8; //2310 VP; //2325 P. (Wood-TN) 1957-2015 EE; // 2310 fair/good 11/29. (BOC 11)
- 2850 **N.KOREA KCBS** 1216 M delivering vigorous speech in KK; poor 12/2. (Herr-CA) 1227-1304 fade-out; pgm of classical mx & group vocals hosted by M, KK talk; mx fanfare prior to news at 1300; P-F but fading around 1300; 12/17. (D'Angelo/FCDX-PA) 1304 nx or patriotic monologue; S7 carrier but low voice modulation and some fading; F-P 11/24. (Strawman-IA) 1312 threshold audio w/ usual orchestral-style instl mx; improved to S2 by 1335; 12/9. (Strawman-IA)
- 3172.36 **PERU R. Municipal** Panoa 0015-0045 return after many days off; 11/20. (Wilkner-FL) 0000-0030 weak signal noted 12/6,7, 8; not noted in the 0900-1100 time period! Possibly signing on after 1130 GMT? (Wilkner-FL)
- 3198.5 **CLANDESTINE Echo of Hope** ROK 0445-0455 in KK with M&W ancrs, traditional Korean mx bits; P-F but suffering from amateur QRM 11/8. Parker-PA)
- 3200 **SWAZILAND TWR** Mpangela Ranch 0315-0320 W anc & slow mx; in the clear but weak 11/8. (Parker-PA)
- 3200 **USA WWCR** 0402, spurs from 3215 heard throughout the week on 3200 & 3230, with the latter considerably stronger and clearer than 3200; 12/3. (Ronda-OK)
- 3204.9 **PNG (West Sepik) R. Sandaun** Vanimo 1120-1200 "...like to take the opportunity... in the development of the project..." "we have rechecked the political..."; "...the time of the service is..." 11/21. (Wilkner-FL River) 3204.96, 1300 M in Tok Pisin, mx 1302, chorus, then anthem, then news s/off by 1308. poor 12/1. (Herr-CA)
- 3220 **ECUADOR HCJB** 1010 M in Quechua talk, Andean music, ID at BoH; fair 12/2. (Taylor-WI)

- 3235 **PNG R. West New Britain** 1241 M w/brief commentary between light pop/island songs; longer talk 1259, but stayed on afterward and was still going strong by fadeout around 1325; F/P 11/20. Numerous other presumed PNGs also heard on a quick bandscan this morning, some seemingly // to each other (but I can't read my notes as to which): 3205, 3315, 3325, 3335, 3365, 3905. (Schiefelbein-MO)
- 3240 **SWAZILAND TWR** 0305 M in monologue, Shona is listed language; signal up to S9 by 0318; vocal mx 0325; changed to listed Ndaui at 0330; gone by 0345; fair 11/19. (Strawman-IA) 0325 rel talk in Ndaui; into songs at 0327; F/G 11/20. In the same time period the following African stations were at fair to very good levels: 3320 R. Sondergrense; 3396 R. Zimbabwe; 3355 BBC-Meyerton; 4930 VOA-Botswana (Ronda-OK) 0334-0345*, presumably in listed Ndaui, with M ancr, IS during last minute of transmission; good 11/8. (Parker-PA)
- 3250 **HONDURAS R. Luz y Vida** San Luis 0347-0355* M SS ancr, slow mx, ID, then military march/anthem; then unmodulated carrier. 40dB signal, armchair copy 11/8. 0155-0205 M SS talk over Calypso song Beautiful Day. Same strong signal 11/14. (Parker-PA) 0215 M&W alternating in SS; poor 12/1. (Herr-CA) 3249, 0243, 23 Nov 07, Spanish. YL with preaching. Poor. (Wood-TN)
- 3250 **N.KOREA VOK** 1231 W in KK with some music not as martial sounding as 2850; poor 12/2. (Herr-CA)
- 3255 **S.AFRICA BBC** Meyerton 0402-0407 WS in EE, M&W ancres; fair & in the clear 11/8. ((Parker-PA) 2148-2200* EE, report re bookstores, books people are buying; BBC promos at s/off; fair 11/20 in ECCS-LSB. (Barbour-NH)
- 3260 **PNG R. Madang** 1220 pop/island songs w/M ancr between; more extended talk at 1258 that ran through ToH and was later joined by W; then back to the music around 1305; was still going when wiped out by local QRM/buzzing a few minutes later; poor 11/21. (Schiefelbein-MO) 3260.1, 1130-1140 w W/MX, then M vocal unaccompanied by instruments; 11/21. (Wilkner-FL River)
- 3266.43 **INDONESIA RRI Gorontalo** 2118-2153 local nx, ID; better in lsb; P/F 11/29&30. (BOC 11)
- 3276u **PIRATE WTCR** 0149-0152* oldies jazz music. ID as "WTCR-Twentieth Century Radio" at 0152, then off; strong 11/22. (Alexander-PA)
- 3280 **ECUADOR LV del Napo** Tena (probable) 0207 extended talk in SS by M, possibly religious. 12/12. (Taylor-WI) 1025 long religious sounding SS talk by M; fair 12/1. (Taylor-WI) 3279.9, 0240-0245 M SS ancr, slow mx, M vocal; exc 11/14. (Parker-PA) 3279.8, 0320 long rel discussion in SS between M&W; F/G 12/1. (Ronda-OK) 3279.9, 0710-0724 in presumed Quichua; W ancr, short mx bits between items; in the clear; F-G 11/13. (Parker-PA) 3279.92, (T); 0224 M&W talking; down in the mud, nothing else listed this freq; poor 12/2. (Herr-CA)
- 3310 **BOLIVIA R. Mosoj Chaski** 0130-0143 W in SS hosting pgm of rustic vocals; ID/TC & anmts 0136 by M; poor 12/18. (D'Angelo/FCDX-PA)
- 3315 **PNG R. Manus** Lorengau 1131 w/Island music; recheck at 1151 still strong signal; 11/21. (Wilkner-FL River)
- 3320 **N.KOREA Pyongyang BS** 1217-1235 talk in Korean by W, then choral singing; poor 12/17, but //6250.6 was good. (D'Angelo/FCDX-PA) 1238 orchestral music, then W in KK, LSB UTE QRM; fair 12/2. (Herr-CA)
- 3320 **S.AFRICA R. Sonder Grense** 0201-0213 tuned in at 0201 & Exile..Kiss You All Over...was playing; then talk by M. Listed in Afrikaans language; then into more pop songs I did not know; BIG signal this evening; good 11/20. (Wilson-KY) 0215-0235 in Afrikaans with very mx variety prgm, W ancr; excellent 40dB signal 11/16. (Parker-PA) 0328 M in Afrikaans; song at 0330 by W in EE "You're a very strange man"; fair 11/30. (Herr-CA)
- 3325 **INDONESIA RRI Palangkaraya** 1308 M&W alternating talk in Indo; fair 12/1. (Herr-CA)
- 3329.53 **PERU Ondas del Huallaga** Huánuco 0000-0010 weak and troubled by CHU, 12/8. (Wilkner-FL)
- 3335 **PNG [New Guinea Terr.] R. East Sepik** Wewak 1139-1200 "with Labour MPs voting with majority ...Friday...." "...storm effected the area along the coast and river villages along the river..more saturation expected; 11/21. (Wilkner-FL River) 1215-1241 f/o nice program of island music hosted by a M ancr in EE; P-F 12/18. (D'Angelo/FCDX-PA) (T); 1255 in English and / or Tok Pisin; M w/ talk and contemporary EE music; very poor w/ splatter from CHU, 11/25. (Taylor-WI) 1307; they were there one minute and gone after I rechecked 3204.96; fair 12/1. (Herr-CA) (P); 1309 pop/semi classical mix of mx; on past listed 1300*; suddenly off 1311; only audible signal on 90 meters; 11/24. (Strawman-IA)
- 3340 **HONDURAS HRMI, LV de Misiones Int.** Comayagua 0420-0425 in SS, rel mx, M vocal, F-G 11/8. 0025-0030 in SS with rap mx, M ancr with ID, W ancr; good 11/11 (Parker-PA)

- 3345 **PNG [New Guinea Territory] R. Northern** 1103-1206* W ancw w/ mix of EE & Pidgin talks hosting pgm of mainly island mx, but there were a few romantic songs; ID & c/d anmts 1157, then by another vocal & brief orchestral NA; P-F but steadily improving to fair by s/off; 12/17. Reactivation? (D,Angelo/FCDX-PA)
- 3345 **S.AFRICA Channel Africa** 1945-1959 in PP; W w/ wx nx; F/G 12/3. (BOC 11)
- 3350 **COSTA RICA REE** 0333 M in SS, //6125 but better signal; fair 11/30. (Herr-CA) 0402-0437 M&W w/SS nx, IDs for RNE & REE, 5+1 pips during rap tune at 0430; good signal with //6125 fair; 12/12. (D'Angelo-PA) 0426-0430 M&W SS ancw, slow mx, pips, talks; MOM signal 11/8. (Parker-PA)
- 3365 **BRAZIL R Cultura** Araraquara 0431-0436 in poss PP, pops with W vocal; low signal but in the clear and audible on USB; QRMed several times by very strong LA outband operator right on freq, whistling bird calls and trying to raise someone, no joy, I I/S (Parker-PA)
- 3365 **PNG R. Milne Bay** Alotau 1132-1150 island music; fair 11/21. (Wilkner-FL River)
- 3365.1 **BRAZIL R. Cultura** 0248-0312 M in PP hosting pgm of Brazilian pop vocals, TC 0255, ID 0302; series of promotional anmts 0304, then formal ID & freq anmts 0306; fair 12/18. (D,Angelo/FCDX-PA)
- 3375.1 **BRAZIL R. Municipal** Sao Gabriel da Cachoeira 0225-0257 in PP, slow mx w/ M vocals, M ancw. F-G 11/14 (Parker-PA)
- 3390.15 **BOLIVIA Emisoras Camargo** Camargo 0020-0040 with no voice UTE noted; 11/23. (Wilkner-FL) 3390.2, 0000 & 0020 recheck on the air but troubled by UTE "...Romeo Echo Bravo ..." etc "...checking in..." Any ideas on this net appreciated. 12/15. (Wilkner-FL) 3390.29, 2330-2400 seems on a regular schedule/or being received each night at this QTH; 11/19. (Wilkner-FL)
- 3396 **ZIMBABWE ZBC** 0211-0230 in EE & local lang; Afropop & EE rock (including a cover of "Knock in on heaven's door") w/W ancw; fair 11/18. (Taylor-WI) 0247-0329 in lang, with M ancw and wonderful variety of African mx. In the clear with excellent 30-40 signal; 11/16 (Parker-PA) 0308-0319 lang, Afropops w/ M over mx on occasion; weak but clear; did not appear to be // 4828; 11/20. (Barbour-NH) 1918-1922 ID, lang, Afro pop mx non-stop; fair 12/2. (BOC 11)
- 3420 **PIRATE Undercover Radio/Laser Hot Hits** 0237-0300 EE, Dr. Benway w/UCR ID & remarks about relaying Laser Hot Hits and ments of Merlin mail drop for QSL's. LHH program with dance club music, ads for T shirts and radio related magazine "Offshore Echoes," and several IDs; good 11/23. (Wood-TN)
- 3420u **PIRATE WTCR** 0403-0455 rock & roll mx by Rolling Stones, Beatles, Beach Boys, Sugarloaf and others; IDs as "WTCR-Twentieth Century Radio"; strong & very good audio; 11/24. (Alexander-PA)
- 3560 **N.KOREA KCBS** 1248 s/off w/ anthem; fair 12/2. (Herr-CA)
- 3905 **PIRATE Dutch pirate harmonic** 1920-1959 w/electronic mx; this is not Papua; fair/good 11/29. (BOC 11)
- 3905 **PNG [New Ireland] R. New Ireland** 0745-0800* soft pop music, good signal and no interference, at 0759 hams got active, and the readability was much reduced, so no ID info could be discerned in the final anmts, but the anthem matches the anthem available for comparison on Interval Signals Online. This a new NASWA country for me. 11/27. (Renfrew-NY) 1250 mostly mx; best ever here, but poor 11/24. (Herr-CA) 1137-1230 numerous island vocal selections plus some country tunes around 1220 hosted by M ancw; fair signal although occasionally battling ARO QRM. 12/17. (D,Angelo/FCDX-PA)
- 3915 **SINGAPORE BBC** 2155-2205 EE talk on Africa, BBC promos; Ancw in lang at 2200 mentioning BBC Indonesia, then pips; nx lang w/ EE sound bites; poor, audible using ECCS-USB; 12/4. (Barbour-NH)
- 3920.22 **PIRATE Unid Greek Pirate** 2040-2055, also hrd fundamental freq, 1306,06 kHz; fair/good 12/2. (BOC 11)
- 3925 **JAPAN R. Nikkei** 0937-1030 JJ talk, lite instl mx; brief EE segments after 1000; EE pgm entitled "Gregory Clark's Choices from the Nikkei Weekly"; weak, better on // 6055. 12/7. (Alexander-PA) (P); 1030 two M in JJ, poss news; poor 12/1. (Taylor-WI) 1216-1229 M in JJ at t/i, then W ancw until overtaken by USB chatter at 1229; fair 12/3. (Barbour-NH) *2040-2158 pianoforte play as is, s/on 2045; fair/good peaks 11/29-12/1. (BOC 11)
- 3945 **IRAN VOIRI** Kamalabad 0330-0337 in presumed Kurdish with Koran chants, W ancw between items; bonecrushing 90dB signal immune to amateur QRM 11/16. (Parker-PA)
- 3975 **HUNGARY R. Budapest** Jaszbereny 0450-0455 M in HH, telephone interview or call-in pgm with M caller, W ancw; strong signal despite amateur QRM; 11/8. (Parker-PA)
- 3984.9 **CROATIA Hrvatski Radio** 0118-0210 pgm about an opera singer with short audio segments and group discussion; continued until 0357 when Streisand's "People" was played; two short and one long pip at 0200, then MID W w/nx in Croatian; P-F w/ some ARO QRM; 12/17. (D,Angelo/FCDX-PA)

- 3985 **IRAN VOIRI** Kamalabad 0340-0345 M&W w/SS nx, brief mx bits between items; 80dB+ signal, QRM free; 12/6. (Parker-PA)
- 3985 **S.KOREA Echo of Hope** Seoul 1300 mx; gong repeated 3 times at TOH, then M in KK; poor 12/2. (Herr-CA) 1159 in Korean; contemp. music, IS, M including "pangsong"; poor 12/1. (Taylor-WI) 1226 soft vocal mx & KK talk; mixing with CNR-2 Geermu with talk in Mandarin; clearly two separate transmissions; still present at 1246 recheck; F-P 12/8. (Ronda-OK)
- 3985 **UNID** 1320 weak audio more than threshold but too much Ham splatter to ferret any details. Probably CNR1. 12/9. (Strawman-IA)
- 3987 **INDONESIA RRI Manokwari** (P) 1332 threshold audio; on late? 12/8. (Strawman-IA)
- 3990 **CHINA Xinjiang PBS** 0023 listed Uighur; long talk by W, brief music at 0027, then M anc; theme mx 0030, excited talk by W, perhaps an ad; back to M anc; some QRM from hams on adjacent channels. //4980 also heard with slightly better signal but hampered by severe CODAR interference. Mostly inaudible by 0040. Tough copy. Poor 11/27. (Schiefelbein-MO)
- 3995 **INDONESIA [Sulawesi] RRI Kendari** (P) 2136-2147 f/o, Indo talk by W, then vocal selection; P-F, but rapidly fading; 12/16. (D'Angelo/FCDX-PA)
- 4004.64v **VATICAN Vatican Radio** 2125-2130 SS svc, drifting from 4005 khz; // 1530 khz; fair/good 11/30. (BOC 11)
- 4052.5 **GUATEMALA R. Verdad** 0501-0514 in EE with M anc & Sspirital Songs Program; very pleasant old time hymns and spirituals, address and invitations to write to the station; 80dB signal was full quieting here; 11/8. (Parker-PA) 1119+ SS, hymns; 1206 M w/ talk of "La palabra de Dios"; continued at good levels until about 1300, when slowly deteriorated. 12/1. (Taylor-WI) 4052, 0534-0600* M w/ EE prayers & inspirational talk, over mx; I was uprised not to have heard some Christmas music; ID and call for letters at TOH; F-G 12/15. (Wood-TN)
- 4220 **CHINA Qinghai PBS** 2335 listed Tibetan; M DJ taking listener calls and playing local music; weak utility QRM and some local noise, else good, perhaps best reception yet here; 12/11. (Schiefelbein-MO)
- 4319u **DIEGO GARCIA AFRTS** 1952-1956 EE talk; good 12/1. (BOC 11)
- 4330 **CHINA Xijiang PBS** (P) 0028-0047 listed Kazakh; M&W anc; w/RR sounding talks & brief musical bits; poor/noisy under continuous "pinging" QRM; very annoying; 12/7. (Barbour-NH)
- 4409.7 **BOLIVIA R. Eco** Reyes 0023-0040 vocal at t/i, the M; pulsating UTE on this frequency has strange effect on the signal in ssb, causing the signal to rise and fall - in AM mode not noted; 11/23. (Wilkner-FL) 4409.8, 2243-2251 pgm of rustic vocals hosted by M w/SS talk & ID; poor, as usual, 12/17. (D'Angelo/FCDX-PA)
- 4450 **N. KOREA KCBS-Pyongyang** 1048-1106 M&W in KK,m choral/anthem-like mx at 1057; presumed ID w/ pips at 1100, then more M&W thru t/out; poor but improving 11/24. (Barbour-NH)
- 4460 **CHINA CNR-1** 1054-1105 M&W in Mandarin; pips/ID & CNR jingle mx at 1100, then presumed news headlines & ads/promos thru t/ou; poor as was //4800; 11/23. (Barbour-NH) 1307 M&W news show, one short clip in EE of man with Aussie accent; good 12/2. (Herr-CA) 2206-2222 countless anc; w/short musical bits; CNR jingle music at 2210; //4800-Geermu fading in around 2220; poor 12/4. (Barbour-NH)
- 4486.1 **PERU R.Frecuencia VH** (P) 0206-0220 M in SS b/w ballads/lite pop music; poor/weak under atmospheric QRN; 11/21. (Barbour-NH)
- 4500 **CHINA Xinjiang PBS** (P) 0153-0215 listed Mongolian; W anc w/ phone-in pgm b/w exotic balads; booming signal at t/in, slipping under QRN by t/out; 12/6. (Barbour-NH)
- 4605 **INDONESIA RRI Serui** 1359 pop mx pgm through 1400 TOH; fair 12/15. (Strawman-IA) 1409 light pop mx & talk in Indo; heard only when there were breaks in the 4604.11usb MARS network transmissions; F-P 12/15. (Ronda-OK) 4604.98, 2054-2109; lagu lagu songs, Love Ambon, RRI nx; fair 11/29-12/2. (BOC 11)
- 4635 **TAJIKISTAN Tajik Radio** (P) 0053-0105 listed Tajik; M&W anc; in lang w/Pashto/Dari-like vocal music; brief anmt at ToH, but was unable pull an ID from it; weak but clear 12/7. (Barbour-NH)
- 4650.2 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 0000-0030 each local evening, fades in with rather poor signal; occasional M in SS; poor otherwise; 11/20-23. (Wilkner-FL)
- 4699.3 **BOLIVIA R. San Miguel** Riberalta (T) 2345 SS talk by M, distinctive mx; poor 11/25. (Taylor-WI) 4699.34, (P); ~2345 threshold audio faded out quickly, 11/24. (Strawman-IA) 4699.39, 0015-0045 " en bolivia San Miguel ...zero ...cinco "; 11/23. (Wilkner-FL) 4699.4, 1034-1043 M in long SS talk w/TC & ID 1039 before rustic vocal; poor 12/17. (D'Angelo/FCDX-PA) 4699.4, (P); 1011-1030 continuous SS talk under QRN floor, fading out by ToH; poor 11/22. (Barbour-NH) 4699.40, 1020-1050; TC "...en Bolivia hoy segundo de" at tune in, also W; good 12/13; superior to 4716v R.Yura, at the same time; 12/13. (Wilkner-FL)

- 4716.66 **BOLIVIA R. Yura** Yura 0115-0139* SS anmts, local Bolivian mx; closing announcements 0138 & off; fair 12/1. (Alexander-PA) 4716.19, 0000-0030 vocals. Off the air 1000 to 1100. 11/23. (Wilkner-FL)
- 4746.8 **PERU R. Huanta 2000** 1045-1102 OA vocal selection by M before excited M anc w/SS talk, ID, TC & name of performer; more rustic vocals; P-F, some CODAR QRM; 12/17. (D'Angelo/FCDX-PA) 4746.92, (P); ~2345 threshold audio faded out quickly; 11/24. (Strawman-IA)
- 4750 **INDONESIA [Sulawesi] RRI Makassar** 2135-2203 M&W Indo talk, pgm of vocals hosted by W; local ID 2144 before vocal selection; another local ID by the W anc at 2158, Song of the Coconut Islands; RRI ID by M at 2200, then Jakarta news; F-G peak but fading over time, 12/16. (D'Angelo/FCDX-PA) 1346 W in Indo; fair 12/15. (Ronda-OK) (T); 2055-2105 talks under PBS CNR 1, Xian; weak, with some peaks; 11/30. (BOC 11)
- 4750 **SUDAN. R. Peace** (P) 0311-0339 native mx & anc at t/i; M 0313 thru t/o; no EE noted; poor 12/6. (Barbour-NH)
- 4755 **BRAZIL R. Imaculada Conceição** 0208 PP talk b/w two men; still on at 0310 recheck; poor 12/11. (Ronda-OK) (P); 0113-0128 f/out W in PP, beep at 0115, the W talk, probable ID (ment of "Campo Grande"), Chime bridge, W w/apparent radio story or play, 0120 M w/talk; poor 12/12. (Taylor-WI) 4754.9, 0050-0055 in PP with M anc, slow song with W vocal, ID jingle; good 11/11 (Parker-PA) 4754.9, (P); 0043-0055 M in PP w/ call, W with response type prayer, talk; f/out 0055 11/18. Thanks to Jim Ronda for the tip. (Taylor-WI) 4754.9, 0140-0150 PP rel talk by M&W; moderate signal with heavy CODAR; fair 12/1. (Jim Evans, TN)
- 4760 **BANGLADESH R. Bangladesh** 1418-1420; fair with QRM from China 11/30. (BOC 11)
- 4760 **LIBERIA ELWA** 2238-2303* EE rel mx till M s/off 2300 w/ID & anmts; NA 2301; weak/poor 11/23. (Barbour-NH) 2100 EE rel px, mx; finally heard after several tries this evening; good 12/12. (Bernardini-Italy) 2137-2301* EZL rel vocals, M EE ID 2152, rel talk 2201, Christmas song; Man from Heaven Ministries began long Christmas themed program after the song; s/off ID & anmts, orchestral NA; P-F w/severe CODAR QRM; 12/17. (D'Angelo/FCDX-PA) 2110-2130 EE rel talk by M, upbeat rel vocal mx w/anmts by W; ment of "Liberia" & "from Liberia"; at noise threshold at tune-in, improving to poor; 12/1. (Evans-TN) (P); 2208 just a trace of something here; maybe a hint of religious music; 12/12. (Dexter-WI) 2202-2303*; American-accented EE preacher w/ inspirational messages between gospel-type songs; s/off anmts by different anc, short martial mx, off 2303; weak but mostly clear, aside from CODAR QRM; fair 12/11. (Schieffelbein-MO) 4759.97, 0630-0705 US Christmas mx, Gospel mx; ID 0657; EE rel talk 0700; fair at 0630 but deteriorated to a weak level by 0705, and with the usual CODAR QRM; 12/2. (Alexander-PA)
- 4760 **SWAZILAND TWR** 1640-1646 in Shangaao; ID, talks; F-G 11/30. (BOC 11)
- 4770 **NIGERIA R. Nigeria, Kaduna** (P) 2210 weak but slowly building, 12/12. (Dexter-WI)
- 4775 **SWAZILAND TWR** 0358-0405 M EE ID, into GG svc w/W & program of inspirational mx including Christmas carols in EE 7 GG; poor 12/15. (Wood-TN)
- 4777 **GABON RTV Gabonaise** *0456-0512 OC, NA, W ID, M w/freqs; ID & FF nx; F-G 11/22. (D'Angelo-PA) *0457-0511 orchestral NA, M&W ancs w/ ID & freqs in French; good 12/1. (D'Angelo-PA) 0459 NA, ID M&W nx ancs; mx pgm 0508; vy good 12/9. (Renfrew-NY) 0500 NA in progress, into W in FF; slight CODAR, 12/11. (Dexter-WI) 0503 M in FF w/ some echo; fair & fading 11/25. (Dexter-WI) 0505 nx; strong, minimal CODAR 12/2. (Strawman-IA) 0524-0556 "Radio Gabon" IDs, lots of fast-paced afropops; W anc taking listener calls from 0530+, with snippets of Afropops in between, and lots of "Bonjours", "monsieurs", and "mercis"; good, but had to fight huge ute signal (not CODAR) throughout. 11/18. (Comeau-MA) 0525-0550 M&W FF anmts, canned R.Gabon ID, talks; W over disco-type mx, sounded like she was giving a dance lesson, counting off steps to the beat; talk continued as mx changed to Whiter Shade of Pale instrumental and brief highlife bits; in the clear and 90-100dB, 11/8. (Parker-PA)
- 4777 **MADAGASCAR R. Madagascar** 0245-0321; apparently on early with beautiful melodic vocals (bouncy, upbeat music), unmistakable IS 0256, possible NA just before the hour, W anc w/ minimal talk, lots of choral singing; steady, clean signal, best heard here in over a year; 11/23. (Comeau-MA)
- 4780 **DJIBOUTI R. Djibouti** 0343-0400 AA, ME pop mx, traditional AA mx, W anc; ID at TOH, into nx; VG 12/1. (Wood-TN) 0307-0323 M chanting Koran, M anc in presumed Somali; 0315-0321 with lengthy oration by M anc in lang; 80 dB & in the clear 11/10. (Parker-PA) 2040-2102* Horn of Africa mx, closing anmts, NA; P-F 12/7. (Alexander-PA) 1725-1955 & 0410-0450 in AA, //1539 kHz; 2035 + codar utility noise fair/good 11/29-12/1. (BOC 11) 2057-2101* caught tail end of transmission w/ indigenous music, s/off anmt, NA & off; fair 12/4. (Barbour-NH)

- 4779.97 **GUATEMALA R. Cultural Coatan** 0015 songs; F/G 12/12. (Bernardini, Italy) 0208 SS, ranchera mx; fair 12/1. (Herr-CA) 0154 M in SS ballad; lots of Codar, poor 12/4. (Herr-CA) 0220 SS, mx; F/G 11/30. (Herr-CA) 4780, 2314-2332 long SS speech by young girl, into instl mx; exc 11/7. (Parker-PA) 4780, 2335-0106 SS rel pgms; P/F 12/1. (BOC 11) 4780, 0128 mx & SS anmts; quite good & no sign of Buenas Nuevas at the same time, 11/23. (Dexter-WI)
- 4789.97 **INDONESIA RRI Fak Fak** 2105-2112 lagu lagu mx, RRI nx, fair 11/30. (BOC 11)
- 4790.3 **INDONESIA RRI Fak Fak** 1345 pop mx, Indo anmts; F-P under S6 CODAR. Serui 4605 also in but weaker under CODAR. 12/2. (Strawman-IA)
- 4790 **PERU R. Atlantida** 0409-0410* W in SS w/closing anmts, completely quieting R.Vision. After xmtr off, R.Vision was on freq with 30-40dB signal and usual loudspeaker preacher. 11/13. (Parker-PA)
- 4790.1 **PERU R. Vision** (T), Chiclayo 0022 poor, fading, 12/12. (Bernardini, Italy) (T); 0255 SS, W singing in falsetto followed by rapid W in SS; most likely R.Vision. poor 11/30. Also 0207 in SS M with polical sounding speech; poor 12/1. (Herr-CA) 4790.2, (P); 0220, SS preaching; fair but CODAR 11/15. (Taylor-WI) 4790v, 0551-0600 M SS ID, rlg ranchero mx w/ M vocal & guitar, M preachers voice booming over loudspeaker to what sounded like a packed cathedral; 80dB+ 11/8. Also 0421-0430 M in SS delivering a very forceful speech with echo effect, as if addressing a crowd over a loudspeaker. In the clear with excellent signal, but badly overmodulated 11/9. 0107-0114, same speaker but much improved modulation. "Holy Holy" and "Hallelujah Hallelujah" repeated often, cheering crowd very much audible; VG 11/11. (Parker-PA)
- 4796.39 **BOLIVIA R. Mailku** Uyuni 0935-0945 Bolivian folk music, ID 0940; weak/poor with CODAR QRM 11/24. (Alexander-PA)
- 4800 **CHINA CPBS** Geermu 2354-2400 M&W in CC talk, time pips on the hour; good signal with heavy CODAR QRM; fair 11/18. (Evans-TN) 1050 M&W in CC, usual heavy CODAR; poor 12/2. (Herr-CA)
- 4800 **INDIA AIR Hyderabad** 0114-0119, W ancr in Indian dialect; fair 11/11. (Parker-PA)
- 4805 **BRAZIL R. Dif. do Amazonas** Manaus 0019-0126 in PP, boisterous M ancr with ID, slow LA mx; exc 11/16. (Parker-PA) 0220 songs & occasional PP anmt; still on at 0320 recheck; poor 12/11. (Ronda-OK) 2240-2245 M&W in PP; poor with CODAR QRM 11/18. (Evans-TN) 0332-0341 M in PP talk, Brazilian pop vocals; gone at 0355 recheck; fair with some CODAR splatter 12/12. (D'Angelo-PA) 0029 songs; fair 12/12. (Bernardini, Italy)
- 4815 **BRAZIL Rdif. Londrina** 0124-0131 in PP, M ancr; colliding with mx from presumed R. El Buen Pastor, both signals strong 11/11. (Parker-PA) 1059-1107 "Danny Boy" instl on guitar, then M PP ID & talk; W w/Merry Christmas wishes before another M began a rel talk; F-G 12/17. (D'Angelo/FCDX-PA)
- 4815 **ECUADOR R. El Buen Pastor** 2350-0003 iM SS ancr, short bits of music between items; P-F 11/7. (Parker-PA) (T); 0228 definitely SS, M probably preaching, heavy codar interference along with log 3279.92 makes Ecuador likly both frequencies; poor 12/2. (Herr-CA) 4814.99, (P); 0205-0259* SS rel mx, local Ecuadorian mx; SS anmts, rel talk; abrupt s/off; P-F with CODAR QRM 12/1. (Alexander-PA)
- 4820 **CHINA Xizang PBS** Lhasa 1157 M in CC, mx, 3 time pips TOH, then prob news; not //4920 (Lhasa) which is in Tibetan; poor w/heavy CODAR 12/2. (Herr-CA)
- 4825 **BRAZIL R. Educadora** Braganca 0033 talks; fair 12/12. (Bernardini, Italy)
- 4825 **BRAZIL R. Canção Nova** Cachoeira Paulista, São Paulo 0425-0431 M&W PPancrs, slow rlg music w/W vocal; P-F due to CODAR 11/13 (Parker-PA)
- 4824.5v **PERU LV de la Selva** Iquitos 1115-1125, very late Peru still audible long after local sunrise in Iquitos, 11/18. Also at 0000, 11/19. (Wilkner-FL)
- 4826.41 **PERU R. Sicuani** Sicuani 0016-0020, in narrow filter to avoid Zimbabwe which was weak on 4828; 11/23. (Wilkner-FL)
- 4828 **ZIMBABWE ZBC** 0340 US pops; fair but treading in in plenty of noise 12/7. (Dexter-WI) 1920-1958 non-stop afro pop music, no // 3396; fair to good 11/29 & 12/3. (BOC 11) 0357-0405, pops with W vocal; fair under strong CODAR 11/10. Also 0331-0336 with pops, exc in USB 11/15. (Parker-PA) 0328 African pops. 3396 was barely in there in heavy noise 12/13. (Dexter-WI) (P); 0324-0353 non-stop high-life mx & songs; mostly fair, above average reception, not // to 3396 on 11/19. (Howard-CA) 0339 good with Afro-pop songs; good 12/9, // 3396 at poor level; in the same time period 4930 VOA-Sao Tome and 4965 The Voice-Zambia were at fair-good levels. (Ronda-OK)
- 4835 **AUSTRALIA VL8A** Alice Springs *2130-2200 s/on, ID, EE nx; // 4910 & 5025; F/G 11/29-12/2. (BOC 11)

- 4835.5 **PERU R. Marañon** 1013-1019 M&W SS w/mx & talk; weak under CODAR 12/12. (Barbour-NH) 4835.88, 1040-1110 M SS ID ... "Radio Marañon , La voz de ?.....en el primer ...con permiso..." 12/10. (Wilkner-FL)
- 4840 **INDIA AIR Mumbai** *2355-0018 musical opening to 0000 when M ID Hindi vocals; poor 12/16. (D'Angelo/FCDX-PA) 0135-0150 M in lang, long instl, excellent rhythmic percussion mix performed with antediluvian instruments. In the clear, good 11/11. (Parker-PA) 1254 songs & Hindi talk; first time I've heard AIR-Mumbai since living in the UK; fair 12/15. (Ronda-OK) 1315 M in Hindi talk S.Asian / Indian mx; first log of this frequency for India for me; poor 11/15. (Taylor-WI)
- 4845 **MAURITANIA R. Mauritania** 0005-0010 two M & W in AA talks; good signal but colliding with unid station poss in SS 11/8 (Parker-PA) 2135-2140 AA talks, poor audio; reactivated; weak 12/2. (BOC 11) 2235-2245 upbeat W.Afr mx featuring stringed instruments; good 11/19. (Jim Evans, TN)
- 4845.2 **BRAZIL R. Cultura Ondas Tropicais** Manaus, Amazonas 0150-0158* M PP ancr, canned ID by M, various short instls. Anthem with accordion and vocal ends at 0158, dead carrier still present at 0204; huge, full quieting 90db signal 11/11. (Parker-PA)
- 4857.39 **PERU R. La Hora** Cusco 2315-0010 "... en numero 76 y 67...el pais.... la hora transmite desde...martes..." by M; 2355 start fade out; F-G 11/19. (Wilkner-FL) 0021 M singing a song repeating the lyrics "...en la vida en la vida."; good 11/23. (Wilkner-FL)
- 4860 **INDIA AIR Delhi** 0202-0216+ woman with Hindi talk; P-F 12/18. (D'Angelo/FCDX-PA)
- 4865 **BRAZIL R. Alvorada** Parana 0140-0145 M&W in PP, rel mx w/M vocal; weak but in the clear 11/8. (Parker-PA)
- 4869.94 **INDONESIA RRI Wamena** 1240 music; finally some audio, usually only a het; poor 11/24. (Herr-CA) 4869.99, (T); 2045-2139 non-stop talks, RRI nx 2100, but no positive ID; fair 12/2. (BOC 11)
- 4874.58 **INDONESIA RRI Sorong** 2105-2205 krokong music, local ID 2129, local news 2132, Love Ambon 2159, RRI nx 2200; F/G peaks; 11/30-12/2. (BOC 11)
- 4885 **BRAZIL R. Clube do Para** Belem 0602-0615 in PP, M ancr with reverb, live recording of M vocal LA crooner with cheering audience, slow song with W vocal, neo-highlife time, and assorted LA pops. 80-90dB signal, 11/8. (Parker-PA) 4885.02, (P); 0311 PP, mx w/rapid fire DJ's; P/F 11/30. (Herr-CA)
- 4886.7 **PERU R. Virgen del Carmen** Huancavelica 1105 OA mx; weak signal, fading 11/21. (Wilkner-FL) River)
- 4895 **BRAZIL R. Globos** Manaus 0437-0449 in PP; jingle when first tuned in, followed by mx with Lionel Ritchie-type vocal; M&W ancrs followed by another jingle, then pop mx w/M&W vocal. F-G 11/13. (Parker-PA) (P); 0328 PP talk; 12/3. (Dexter-WI)
- 4895 **MONGOLIA R. Mongolia** *2200-2330 home svc, //4830; melodic songs; F/G 11/30 & 12/3. (BOC 11)
- 4900 **CHINA Voice of the Strait-Amyo Channel** 1251 talk in Amyo (listed); poor 12/8. (Ronda-OK)
- 4905 **CHAD Rdiff National Tchadienne** 2226-2300* M FF ancr w/DJ patter between selections ranging from Afropop to Barry White and Michael Jackson clones; off with presumed NA; nearly armchair quality; VG 12/22. (Wood-TN)
- 4905 **TIBET Xizang PBS** Lhasa 2220-2229 program of dramatic vocals with drums; P/F with //4920 (poor) and 5240 (fair) also heard; 12/16. (D'Angelo/FCDX-PA) 1109 M&W in Tibetan, //4920; poor 12/2. (Herr-CA)
- 4909.2 **ECUADOR R. Chaskis** *1054-1100 OC, then suddenly appeared w/ Quecha music; SS ancr 1056; weak under increasing band noise 12/9. (Barbour-NH) 1047-1123 M SS talk, poss tail end of s/ on anmts, w/ID & freq anmt; played a few rustic tunes before another man began a long talk about politics and economics; P-F with some CODAR splash 12/18. (D'Angelo/FCDX-PA)
- 4910 **AUSTRALIA VLBT Tennant Creek** 1025 t/i, 1030 news of Kevin Rudd's election as PM; nothing on 4835 same time and nothing noted here on 120 meter band frequencies. 11/25. (Wilkner-FL)
- 4915 **BRAZIL R. Difusora de Macapa** 0302 M PP ID, mentsof Macapa, address & what sounded like call ins; poor 11/23. (Wood-TN) 0452 with male vocal, PP DJ; fair (meaning better than usual) and the only observable signal on the band up to that point; 11/25. (Dexter-WI) 0506 with PP music, mentions of Macapa; it's been months since I've heard them this well; 12/11. (Dexter-WI) 0615-0637 in PP, M ancr with ID, very enjoyable mx prgm with traditional upbeat LA mx, followed by W ancr with presumed news. CODAR was strong on this portion of the band but Macapa's 90dB+ signal clobbered it 11/8. Also 0217-0224 with M PP ID, lounge act, piano & M vocal; good 11/11. Also 0336-0343 with M ancr and 50s style pops; exc, 80-90dB, slight QSB 11/15. (Parker-PA)
- 4920 **CHINA Xizang PBS** Lhasa 1111 //4905; poor 12/2. (Herr-CA)
- 4925 **BRAZIL R. Educação Rural** 2249-2255 PP, excited M broadcasting sports event; poor with CODAR QRM 11/18. (Evans-TN)
- 4925 **INDONESIA RRI Jambi** 2310-2340 phone calls, local news 2330; F/G 11/30. (BOC 11)

- 4930 **BOTSWANA VOA** 0302 EE nx, M ID 0305; poor 11/30. (Herr-CA) 0344-0348 in EE with Iraqi war news, 60dB signal overcoming CODAR easily, 11/15. (Parker-PA)
- 4935 **BRAZIL R. Capixaba** Vitoria 0640-0645 W in PP talk; P-F 11/8. (Parker-PA)
- 4939.85 **VENEZUELA R. Amazonas** (P) 0951-1005 mx & SS talk; badly distorted, noisy signal; one day activation for Venezuelan election? 12/3. (Barbour-NH)
- 4950 **ANGOLA R. Nacional de Angola** 0044-0109 in PP, highlife mx w/ flutes, castanets, etc., pips at ToH, then ID and M ancrs w/nx; signal only 10dB above noise floor but in the clear; F-G 11/16. (Parker-PA) 0139-0230 M in PP talk, then Hotel California by the Eagles at 0149. 2+1 time pips at 0200, „Radio Nacional da Angola% ID, then nx; several IDs after news, then pop mx pgm including theme from the movie Titanic; fair 12/18. (D'Angelo/FCDX-PA) 0430-0433 Afro pop music, poor audio; P/F 12/1. (BOC 11)
- 4955 **PERU R. Cultural Amauta** Huanta 2305-2315 local pop mx, SS anmts by W; poor signal with CODAR QRM; poor 11/18. (Jim Evans, TN) 2330 with messages "...Senora Marta Jimenez y sus hermanos....." other personal messages; good 11/16. (Wilkner-FL)
- 4960 **SÃO TOME VOA** *0400 EE ID, nx at s/on; very good 12/2. (Ronda-OK) 0453-0456 in EE with two W discussing Columbia University; good 11/13. (Parker-PA) 0432-0452 M in EE nx, IDs, various reports from correspondents and mention of "VOAnews.com"; fair 12/5. (D'Angelo-PA)
- 4965 **ZAMBIA Christian Voice** 0138 in EE, American gospel music; fair 12/12. (Taylor-WI) 0320-0340 EE rel talks & choral ballads; fair/improving 11/19. (Barbour-NH) 0316-0359* Insight for Living pgm, then rel vocals & EE rel talk; M&W w/closedoen anmt, switching to 49 meter freq, and jingle ID ("Radio Christian Voice, bringing the people's choice"); F-G 12/17. (D'Angelo/FCDX-PA) 0328 EE sermon w/live audience, then a dramatic reading of several Bible chapters, ID jingle at 0400, then a roundup of African news, then morning program; some QRM from VOA on 4960 from 0358; fair 11/26. (Schiefelbein-MO) 2223-2303 EE pgm of alternating rel talk & rel mx; poor with heavy CODAR QRM; 11/18. (Evans-TN)
- 4974.8 **PERU R. del Pacifico** 0018-0112 caught earlier with SS talks, ID, light mx, but when returned there was a man preaching to a "live" audience in SS; P-F 12/17. (D'Angelo/FCDX-PA)
- 4975 **BRAZIL R. Mundial** Osasco 0647-0650 M PP ancr; in the clear but very weak 11/18. (Parker-PA)
- 4976 **UGANDA R. Uganda** 0224-0246 M hosting phone-in px in EE & lang over lite Afropops; good Morning greeting to each caller, phone number in passing.; huge S9+ signal w/ apparent early s/on 12/6. (Barbour-NH) 0235-0250 M w/lang nx, mentions of "Africa", short bits of aboriginal mx, 40dB signal was 20dB above noise floor, in the clear and F-G 11/20. (Parker-PA) 0306-0356 W hosting pop mx pgm; M ID 0330, then W w/ "a very good morning to you" & a long talk feature before taking listener phone calls at 0350; fair 12/6. (D'Angelo-PA) 0410-0415 news report "globally living" in EE; VG 12/1. (BOC 11) 2046-2055* M&W talk in local lang; vocal selections mixed with more talk until slightly earlier than usual closedown; P-F & marred by CODAR QRM 12/16. Again 0210-0310 M in EE talking phone calls, urging listeners to wake up, TC for "25 past 5 this morning" and playing mx; into mx pgmg 0300; good 12/17. (D'Angelo/FCDX-PA) (P); 2102-2108* Afropop mx, pulled the plug at 2108 w/no ID or anmts; F/P under CODAR 11/20. (Barbour-NH) 4975.96, 2204 nx headlines at t/i, into t/k by 2 M; acapella ethnic vocals with heavy percussion followed; F-G if CODAR discounted, 11/19. (Strawman-IA) 4975.96, 2233 lively vocals & lang talk; lost in mounting noise by 2238; F-P 11/24. (Ronda-OK) 4975.97, 0345-0430 variety of Afro-pops, African choral mx; EE nx 0404-0421, thgen several PSAs concerning gov't pgms, medicine distribution for control of malaria & other topics; good signal 12/9. (Alexander-PA) 4975.97, 2040-2225 variety of Afro-pops, local folk mx, Afro-rap, Euro-pop & US pop mx; phone talk; EE & lang talk; on later than usual; weak at tune-in, improving to a fair level by 2200, but with CODAR QRM 11/24. (Alexander-PA) 4975.98, 0235- lang mixed w/ EE; M ancr telling listeners to wake up; fair 11/30. (Herr-CA)
- 4980 **CHINA Xinjiang PBS** Urumqi 2355-2400 W in Uyghur, brief Oriental mx, more talk; poor 11/18. (Jim Evans, TN) 0142 M&W in Uyghur, which doesn't sound at all like CC; Google it-very interesting; poor 12/2. Also, 0137 domestic svc in Uyghur, much more sedate than 5060; M ancr & classical sounding music breaks; poor 12/4. (Herr-CA)
- 4985 **BRAZIL R. Brasil Central** 0651-0656 PP, E2L mx; fair with // 11815 still exc at this time; 11/8. (Parker-PA) 0140 in PP; vocal by W, quick "Radio Brasil Central" ID during DJ chat before the next ballad; F-P 12/12. (Taylor-WI) 0155 M in PP, prob. ID 0202.45 mentioned frequency in kilohertz 2-3 times; poor 12/1. (Herr-CA) 0310 a variety of songs in PP; fair 12/1. (Ronda-OK) 0328 M PP ancr w/PP versions of US pop mx from 1980s; ID at BoH; good 12/1. (Wood-TN) 2303-2310 M w/PP talk, ads; appeared sports related, but not the usual excited announcer at a sporting event; poor w/ CODAR QRM 11/18. (Jim Evans, TN)

- 4990 **PERU R. Ancash** Huaraz 0701-0712 in SS with slow LA music, M&W vocals; in the clear with decent carrier right on 4990 but very low modulation 11/8 (Parker-PA)
- 4990 **SURINAME R. Apintie** 1014-1033 M in Dutch talk & vocal selections; ID 1019, vocal, then by ad string; P-F w/ some CODAR QRM 12/17. (D'Angelo/FCDX-PA)
- 5000 **CHINA BPM (P)** 2320 tones on the second audible under the click of WWV/H, with CW during WWV's silent period at 2329; mostly poor 12/11. (Schiefelbein-MO)
- 5000 **VENEZUELA YVTO (T)** 0505 audible tones on the second during WWV/H's clicks, weak voice anmts (possibly in Spanish) under WWV's own; the tones were making it through much better than the voice; lots of rapid fades on WWV/H, which is rather unusual. 12/13. (Schiefelbein-MO)
- 5005 **EQ.GUINEA R. Nacional** Bata *0459-0555 s/on w/NA, SS anmts 0502; variety of SS pops/ballads, orchestral mx & Afro-pops, SS talk; weak with low modulation 11/22. I've been checking for the 6250 transmitter but only heard one day, Nov 17. (Alexander-PA) 0510 very weak, almost no signal there at all 12/11. Noted again at 2214 w/M in SS; poor 12/12. (Dexter-WI) 0532-0606 lively pgm of vocals hosted by M ancr in SS talk; long discussion break with another man at 0546 with numerous mentions of Bata and a "Radio Nacional" ID before returning to musical programming. Music continued through the top of the hour without breaking; P-F 12/5. (D'Angelo-PA) 1915-2059 very bad modulation; F/G 11/29 & 30. (BOC 11) 2050-2257* Afro-pops, ID, SS talk, s/off w/NA; P-F 12/13. (Alexander-PA) 2206-2235 lang/SS; continuous Afropops & SS ballads; weak but clear 11/23. (Barbour-NH)
- 5010 **MADAGASCAR RTV Malagasy** *0248-0321 lively group vocals until mixed vocal group with choral NA 0301 M w/opening ID & anmts in Malagasy; mix of brief musical segments and talk by M&W; F-G 12/17. (D'Angelo/FCDX-PA) 5009.94v, 1840-1955 talks in Malagasy & FF; better in usb; Sunday s/off is later; F/G 11/20 & 12/2-3. (BOC 11) 5009.95, 0330-0345 local rel choral music & lang talk; fair 12/9. (Alexander-PA) 5009.95, 0245-0312 the usual beautiful choral music at t/i, IS at 0253, and presumed Mass or church service (recognized the Apolstles Creed recitation, with an "Amen" by attendees at the end). Strongest RM signal ever at this QTH. (RM had not been heard well here over the last two years, but since putting a good grounding system and new antenna in efore the first frost, SW DX opportunities such as this have blossomed, and LW from Europe/NAF has added a whole new section of the radio bands to enjoy.) 12/9. (Comeau-MA)
- 5010 **INDIA AIR Thiruvananthapuram** 0052-0132 talk by M in listed Tamil, then Hindi vocals; promos 0121 by M&W; time pips 0130, then ID & talk by another W ancr; fair 12/18. (D'Angelo/FCDX-PA) 0111-0130 radio drama in lang at t/in; ad 0120 w/ tone before & after; ancr re America and Taliban until signal lost at BoH under increasing band noise; F/P 12/6. (Barbour-NH)
- 5014.5 **PERU R. Altura** Cerro de Pasco not noted 1000-1130 either 11/23, 24 or 25. (Wilknor-FL) (P); 1032-1051 M in SS b/w Quecha sounding mx selections; poor, slipping under QRM and huge Rebelde-5025 splatter by ToH; 11/18. (Barbour-NH)
- 5019.1 **SOLOMON IS. SIBC (P)** 1120 definite carrier spike here but no recoverable audio with R.Rebelde on uper side; 12/2. (Herr-CA)
- 5025 **AUSTRALIA VL8K** Katherine 1512-1520 running late (scheduled for 0830*), M with Aussie accent, about the only thing I clearly heard was the ID: "ABC Local Radio"; poor, this could not compete with splatter from a strong CNR-1 on 5030; 11/20. (Howard-CA) 2132-2150 EE nx; // 4835 & 4910; mixed up & down w/ R.Benin; F/G 11/29 - 12/2. (BOC 11)
- 5025 **BENIN R. Parakou** 1702-2155 in FF, phone call, lot of Afro pop music, "vous écoutez radio Parakou"; F/G 11/29 & 30. (BOC 11)
- 5025 **CUBA R. Rebelde** 0256-0302 M SS ancr & usual pops; usual powerhouse signal 11/20. (Parker-PA) 1125 Retro Cuban music with heavy QRM from even stronger Beijing on 5030. good 12/2. (Herr-CA)
- 5030 **BURKINA FASO R. Burkina** *0525-0555 s/on w/tone, NA 0528, opening FF anmts 0530, local Afr mx; FF & lang talk; fair but some adjacent channel splatter from Cuba 5025. University Network 5030 not on the air; 11/22. Also *0558-0620 s/on w/NA, FF anmys & talk, FF ballads, Afro pops; poor w/Rebelde QRM 12/9. (Alexander-PA) 1915-2328 FF nx, Afro pop mx, phone calls; G/VG 11/29 & 30. (BOC 11) 2210 M&W in FF, some flutter fades 12/8. (Dexter-WI - with Mark Taylor running the 545) 2242 hi-life mx overpowering CNR1; F-G signal with a little splatter from 5025 Rebelde 11/24. (Strawman-IA) 2246 Afropop mx & FF talk; poor but readable in noise and QRM from CRI 11/24. (Ronda-OK) 2304 FF talk & lively African songs; interesting marimba-like accompaniments; fair in noisy band conditions 12/8. (Ronda-OK) 2345-2400* FF talk, Afro pop mx, M w/call-in, quick ID, NA 2400 offrench. Afropop, man w/ call in, afropop, quick ID, NA & off; University Network (thankfully) missing 12/1. (Taylor-WI) 2354-0000* end mx pgm w/M FF ID & closing anmts, orchestral NA; fair but noisy conditions 11/28. (D'Angelo-PA)

- 5030 **CHINA CPBS** Beijing 1615 w/ mostly talk and chimes and ID by M at BOH, 12/8. (Barton-AZ) 1105-1125 W ancr in Mandarin b/w pop music/ballads; fair at t/in, slipping under 5025-Rebelde splatter by BoH, 12/9. (Barbour-NH) 1126 power house signal about 20khz wide slopping up to 5040, R.Rebelde; exc 12/2. (Herr-CA) 1355 Mandarin talk by W, TS, anthem, ID 1400; fair 12/8. (Ronda-OK)
- 5035 **BRAZIL R. Aparecida** 0343 soft piano & W in PP talk; poor 12/. (Dexter-WI) 0715-0722 M PP ID, slow ranchero ballad with guitars & M vocal, W ancr; P-F 11/8 (Parker-PA) 2324-2355 M PP talk, ID 2330, hosting pgm of rel talks & vocals; fair 12/16. (D'Angelo/FCDX-PA)
- 5039.21 **PERU R. Libertad** Junin 1040-1110 M w/mx, one ID as "... Radio Libertad...en la frecuencia de ..." by M; 11/18, was absent 11/16 & 17 at the same time! (Wilkner-FL)
- 5040 **INDIA AIR Jeypore** 0117-0131 group Hindi vocal selection hosted by W; quite poor 12/18. (D,Angelo/FCDX-PA)
- 5040.6 **BURMA R. Myanmar** 1130-1144 with W; F-G 11/21. (Wilkner-FL River) 5040.6v, 1126-1209 usual selection of haunting local vocals with flute melodies hosted by a W ancr w/Burmese talks; P-F 12/17. (D,Angelo/FCDX-PA)
- 5045 **BRAZIL R. Guarujá Paulista** 2236-2315 pgm of pop vocals hosted by M w/ ID, jingle IDs, ads & lively banter; F-G 12/16. (D'Angelo/FCDX-PA) 0731-0733 in PP with M ancr, poor 11/8. (Parker-PA)
- 5050 **CHINA Guangxi FBS** 2320 East Asian pop songs w/W VV ancr between; obliterated by open carrier at 2327, followed a few min later by the Chatanooga Choo-Choo - I guess that's WWRB. // 9820 much better, but it too was blasted away by a carrier at 2331, presumably Cuba warming up; poor 11/26. (Schiefelbein-MO)
- 5060 **CHINA Xinjiang PBS** Urumqi 0128 in CC. Listed as domestic service which is what it sounds like, a number of different spots with music, single pip at half hour followed by musical fanfair. Fair 12/4. (Herr-CA) 2355 W in long Mandarin talk, time pips over apparent ad w/rooster crow and phone number, more ads past ToH; into pop tunes 0002 without ever giving an obvious ID; finally heard a few notes of martial mx & a possible ID 0030, but signal was weaker by then; hung on just long enough for time pips to be audible again at 0100, but signal had mostly faded by that point; F/P 12/11. (Schiefelbein-MO) (P); 0110-0127 mostly non-descriptive conversations in Chinese; weak/poor reception, is rare for me to hear anything here, 11/23. (Howard-CA)
- 5066.33 **CONGO La Voix Du Congo, Radio Candip** 0401-0415 with FFF nx; fair 12/1. (BOC 11)
- 5070 **USA WWRB** Nashville 1150 usual rel pgms; good 12/2. (Herr-CA)
- 5075 **CHINA Vo Pujiang** Shanghai 1156 very simple soothing tune until s/on 1200 with M&W, upbeat pop music; sandwiched in betwn WWRB USB and ute 5077.5; fair 12/2. (Herr-CA)
- 5110.3 **USA WBCQ "The Planet"** 1230 EE rel pgmg, ID 1230. poor 12/1. (Herr-CA)
- 5460.1 **PERU R. Bolivar** 0057-0110, usual excellent music, M ancr b/w songs, 11/17. (Wilkner-FL)
- 5470.80 **PERU R. San Nicolás** San Nicolás 0024-0057 M ID as "... Radio San Nicolás.." flauta & percussion mx, most of the music was non stop without anmts; 11/17. (Wilkner-FL)
- 5486.7 **PERU La Reina de la Selva** 1044-1057 M SS talk & ID, TC 1045, rustic OA vocal by M; poor 12/17. (D'Angelo/FCDX-PA)
- 5745 **USA WWRB** Manchester, Tennessee 0307 Bro.Stair in EE; poor 11/23. (Wood-TN)
- 5755 **USA KAIJ** Frisco, Texas 0308 M in EE w/rather interesting discussion of the Book of Revelation and the current state of European politics; poor 11/23. (Wood-TN)
- 5765u **GUAM AFRTS** 1335 EE sports nx, relay of domestic pgmg; fair 12/1. (Herr-CA) 1630-1955 EE NPR nx, pop mx; weak/fair 11/30 & 12/1. (BOC 11)
- 5770 **USA WEWN spur** 0655-0740 mixing spur of 5850/5810; weak to very weak 12/7. (Alexander-PA)
- 5770u **BURMA Myanmar Defense Forces BC** 1420-1440, ID 1430, military march, news; P/F 11/30 & 12/2. (BOC 11)
- 5801.66 **USA WEWN spurs** 0615-0630, also 5818.35. EE rel talk; at good levels, not heard 4 hrs earlier when checked. (Alexander-PA)
- 5860 **CHINA V. Jinling** 1230-1250 Mandarin, W DJ w/western EZL & oldies pop songs; poss ID 1230 b/w songs; occasional blasts of data QRM, and suddenly covered at 1250 by splatter from WEWN on 5850; P/F 12/8. (Schiefelbein-MO) (P); 1156-1202+ instl mx at t/i, Mandarin ancr from 1159; poor w/ big het from co-channel R.Farda-Kuwait. 11/24. (Barbour-NH)
- 5900 **RUSSIA Deutsche Welle** Novosibirsk 2228 poor, with rapid fades, 12/12. (Dexter-WI) 

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- 5900 **RUSSIA IBRA Radio True Light** relay via Petropavlovsk in CH 1254, continuous talks by OM and YL, soft religious vocals, f-p (Strawman IA, Taylor WI, Ronda OK all on 11/17)
- 5910 **COLOMBIA Marfil Estereo** Puerto Lleras in SP 0009, ads, anncmts, plenty of good S American contemporary music, IDs (D'Angelo PA, Taylor WI 12/2)
- 5915 **ZAMBIA ZNBC-1** Lusaka in Vernacular/EG *0254, Fish Eagle IS, NA, choral singing and drums, some EG but mostly in Vern, ID, pgm previews, nice African hi-life music, on-air phone conversations (D'Angelo FCDX-PA 12/17, Barbour NH 12/6, Kohlbrenner FCDX-PA 12/12, Howard CA 11/29)
- 5935 **RUSSIA R Rossii** via Yakutsk in RS 2158-2231, IDs with "Take 5" playing in the background, pips and bells 2200, classical music, good w/no QRM (Comeau MA 12/8)
- 5950 **NEW ZEALAND RNZI** in EG 1406, YL reading Met Service Coastal forecasts, lot of rough seas, short story reading, very specialized programming for limited audience (Hauser OK 11/23)
- 59858v **MYANMAR R Myanmar** Yangon in Burmese/EG 1430, after Shiokaze s/off heard YL briefly in Burmese, theme mx, into EG pgm w/fqy, long talk, into music, p (Howard CA 11/27)
- 6005 **SOUTH AFRICA BBC** relay in EG 0328, "World Today" dealing w/Australian politics, promos on various language services, vg (Wood OK 11/23)
- 6010 **COLOMBIA La Voz de tu Conciencia** Puerto Lleras in SP 0620-0700+, still active on this fqy with weak nondescript mx, full ID, TC (local 2:05 am), into sermon, f (Hauser OK 12/2)
- 6010 **IRAN VOIRI** Kamalabad in EG 1927-1957, lite instrum'l mx, NA 1930, Koran 1933, news 1938-1951 Iran's Foreign Minister w/ remarks on 'peaceful nuclear development' (Alexander PA, D'Angelo PA)
- 6020 **TURKEY V of Turkey** in EG 0400, news, cooking show, manufacturing news, vg (Ferrioli PA 11/17)
- 6045v **MEXICO XEXQ R Universidad** San Luis Potosi in SP 1352-1450+, relay of MW 1190 is back after several months absence, classical music, segues to more pop classics, no ancmts until 1359, TC, ID at 1400, string of govt PSAs, phone #, vg (Hauser OK 11/23, Strawman IA 12/1, Ronda OK 12/1) also heard in SP at 2325 w/classical music and ancmts at 0053, weak w/splatter (Alexander PA 11/29)
- 6045 **AUSTRIA AWR** relay via Moosbrunn in FR 0441-0458*, talk, into instrumental music at 0457, ID and closedown by YL, p-f (D'Angelo PA 11/29)
- 6045 **GERMANY AWR** relay via Wertachtel in BG *0500, YL/OM talks, ID, ancmts, f (D'Angelo 11/29)
- 6050 **ECUADOR HCJB** Quito in EG 0335, slow special EG talk re AID worker's life in Africa, back to SP programming 0345, f-g (Schieffelbein MO 11/27, Wood OK)
- 6055 **TURKEY V of Turkey** in EG 1948-2022, TK music, mailbag letters, p-f (D'Angelo PA 12/12)
- 6055 **RWANDA R Rwanda** Kigali in FR 2043-2100*, talk, ID, listeners' phone-ins b/w musical selections, f-g (D'Angelo FCDX-PA 12/16) in FR 2043, pop and techno music, f (Barbour NH 11/20) in Vern/EG 2030, hit songs, animated announcer who sounded like he has having a ball, s/off at 2100 (Lare MI 11/15) in Vern/FR 2020-2100*, audible after Turkey s/off, Afro pops, talks (Alexander 11/18)
- 6075 **RUSSIA R Rossi** via Petropavlovsk in RS 0432-0509, RS folk songs and ballads, conversations, pips at 0500, many IDs, fair w/muffled audio, //5935, 7320 Magadan, 7200 Yakutsk (Howard CA 12/7, Hauser OK 12/7) news and IDs w/ S-6 signal (Strawman IA 12/9) exotic drum, flute mx at 1315, trance music song "Take Your Bombs Away" (Barton AZ 12/6)
- 6090 **BELARUS R Belarus** Minsk in EG 2225-2259, t/in to choral mx, talk 2229, variety of local pops, lite instrumental music, audio somewhat muffled, //7360, 7390, Anguilla QRM (Alexander PA 12/8)
- 6090 **CHINA/TIBET CNR-2** Geermu in CH/EG 1243, short features interspersed w/ads and promos, pips at 1300 and into "English Evening" w/YL and OM co-hosts chatting about topics ranging from celebrities raising AIDS awareness to energy-efficient cars, f-p (Schieffelbein MO 11/29)
- 6100 **BOSNIA International Radio of Serbia** via Bijeljina in EG/SP 1948, caught end of EG pgm w/sports scores, ID, postal and e-mail addresses inviting correspondence, 2 minutes of tuning signal and into SP programming at 2000, ID, news, f-g (D'Angelo FCDX-PA 12/17)
- 6110 **ETHIOPIA R Fana** Addis Ababa in Amheric 0335-0410, OM hosting pgm of Horn of Africa vocals, ID 0359, fair until BBC s/on w/Big Ben bells 0400, p-f thereafter (D'Angelo PA 12/18) s/on at *0255 w/IS and opening ancmts, IDs, Horn of Africa music, g, //7210 threshold (Alexander PA 12/1)

- 6155 **GERMANY V of Russia** relay via Wertachtel in EG 0300, IS, ID, "Jazz Show" featuring vocal group "A Cappella Express" in light harmony, g (Wood TN 11/23, McGuire 11/23)
- 6165 **INDIA AIR** Delhi in Sindhi 1248, subcontinental-type sitar music, ID 1259 and into a short news-cast?, co-channel QRM w/rapid fades, f-g (Schieffelbein MO 11/23)
- 6180 **BRAZIL R Nacional da Amazonia** Brasilia in PT 2201, news?, ID sequences w/jingles, contemporary Brazilian music, fair (Taylor WI 11/17)
- 6240 **MOLDOVA V of Russia** relay via Kishinev in EG 0329-0421, feature about the patronage system of music composers during the reigns of Catherine the Great and Nicholas I, the music was wonderful and the comments were enlightening, vg (Wood TN 11/7)
- 6250v **EQUATORIAL GUINEA R Nacional** Malabo in SP 0620-0655, re-activated fqy, talks, many mentions of Radio Bata and Malabo, Afro pops, f (Alexander PA, Evans TN, Wood TN 11/17)
- 6240nf **PRIDNESTROVIE/MOLDOVA Radio PMR** via Kishinev in EG *2255-2345*, O/C until s/on in EG at 2300, OM with "here is Tiraspol, the capitol of the Pridnestrovian Moldavian Republic", news items with a style reminiscent of the old Radio Moscow cold war days, EG close-out at 2314 w/E-mail and postal addresses, into FR 2315 hosted by YL and into GM 2330 w/OM, noisy condx marred reception considerably (D'Angelo PA, Schiefelbein MO, Barbour NH, Alexander PA, Hauser OK 11/28)
- 6350usb **HAWAII AFN** relay Pearl Harbor in EG 1150, phone-ins, chat re laptop computes, f-g (Ronda OK)
- 6890 **ALASKA KNLS** Anchor Point in CH 1332, OM/YL speaking a bit slower than usual conversational pace w/piano mx bridges, strong signal, //7355 much weaker (Schieffelbein MO 12/5)
- 7110 **ETHIOPIA R Ethiopia** Addis Ababa in Amheric 0402-0435, OM hosting a pgm of Horn of Africa mx, long talk from 0420 w/flute mx segments, g, //97042 p-f (D'Angelo 11/12, Kohlbrenner FCDX-PA)
- 7115 **UNITED ARAB EMIRATES R Japan** relay via Al Dhabbaya in JP 2240, in-studio interviews with several different people, occasional orch mx, s/off in mid-sentence 2259, f (Schieffelbein MO 12/6)
- 7120 **MADAGASCAR R Nederland** relay in EG 2015, discussion re Dutch rap musician, feature about parents misbehaving children at kids soccer games, IDs, request letters, "Newsline" program at 2030, fair-good (D'Angelo FCDX-PA 12/17)
- 7160 **THAILAND R Thailand** in JP/CH 1303-1340, Japanese service w/gongs and EG ID at 1315 when changeover to CH program, more gongs and ID at start of Thai service 1330, f (D'Angelo 12/18)
- 7180 **ROMANIA RRI** in EG 0646, contest info, rpt on real estate market in Romania, undermodulated but enough carrier to make it listenable, IS 0658 (Hauser OK 12/5)
- 7210 **AUSTRIA AWR** relay via Moosbrunn in AR 0406-0428*, "Voice of Hope" IDs 0413 and at s/off, Box 543 address, f (D'Angelo PA 12/5)
- 7230 **CHINA CNR-1** Xi'an in CH 1135-1202, OM and YL w/constant snippets of CH pop mx, mostly short ballads w/pips and patriotic mx at ToH, lost to ham QRM (Comeau MA 11/23)
- 7230 **SLOVAK REPUBLIC RSI** in EG 0106, ID, news, "Slovakia Today", f (McGuire MD 12/8)
- 7240 **BOSNIA International Radio of Serbia** relay via Bijeljina in GM 2110-2200*, news, classical music, ID in FR 2130 and into FR service with similar programming, p-f, ham QRM (D'Angelo FCDX 12/16)
- 7245 **CHINA CNR-2** Beijing in EG 1525, nice vocal at t/in, ID 1545 as "China Business Radio", fair with narrow bandwidth phasing to attenuate QRM and hets (Barton AZ 12/1)
- 7250 **VATICAN CITY Vatican Radio** in Slovak/Polish 1850, religious program in Slovak to 1900, IS, IDs, into Polish service ToH, p-f (D'Angelo FCDX-PA 11/12)
- 7270 **EGYPT R Cairo** in EG 0200, mx, readings of the Holy Koran and Explanation, g (Ferrioli PA 11/17)
- 7285 **ITALY IRRS** Milano in EG 1845-1957, "Wells of Salvation" relig pgm, IRRS ID, United News and Information (UNI) news, lite mx, poems, good until covered by CRI 1957 (Alexander PA 11/16)
- 7285 **ALBANIA China R Int.** relay via Cerrik in EG 2039-2105, features about tennis in Beijing, promos for other programs, CH language lesson, several IDs and news at 2101, f (D'Angelo PA 11/17)
- 7295 **MALAYSIA Traxx FM** via RTM Kuala Lumpur in EG 1538-1611, feature w/DJs Lola and Maya playing alternative mx and interviewing musician, promos for upcoming hardcore music fest in Kuala Lumpur, website, many IDs, pips 1600, news from RTM news center (Howard CA 11/22)
- 7340 **THAILAND BBC** relay in EG 2325, cmntry re Ukraine elections, ID, S5 w/fades (Strawman IA 11/24)
- 7370 **PRIDNESTROVIE/MOLDOVA Radio PMR** relay via Kishinev in EG/FR 18ll, nx in EG re Moldova-Russia relations, ID, into FR 1815, vg (Alexander PA 11/30) in EG/FR *1856-1945*, OC followed by clock ticking to 1900 opening in EG, newscast, into FR 1915 and GM 1930, f-g (D'Angelo PA 12/12)
- 7420 **SWEDEN R Sweden** Hörby in SW/EG 1326, correspondent rpt w/man-on-street interviews, program wrap-up, ID, into EG programming 1330, f, //11670 to 1330 s/off (Schieffelbein MO 11/21)

- 7425 **ALBANIA R Tirana** in EG 0439, feature re Ministry of Justice in Albania, vg (Wood TN 11/17)
- 7545 **ISRAEL V of Israel** Tel Aviv in EG 0431, news re Israeli officials' travel overseas, mentions of Iran's nuclear programs, talk re Israeli futbol team playing in Russia, g (Wood TN 11/17) in EG 1830, news starting with item that Saudi Arabia will attend Annapolis Peace Conference, g (Fraser ME 11/23)
- 7560 **KAZAKHSTAN WYFR/Family Radio** relay via Almaty in EG 1322, speech by Harold Camping, callers on the phone, ID 1330 before going back to Camping, p (Schiefelbein MO 11/29)
- 9290 **LATVIA Latvia Today** via Ulbroka in EG 1146, t/in to lite instrumental music and talks re local history IDs, Radio SWH address for reports, R Casablanca programming, folk/pop mx, g (Alexander PA 12/8) in EG 1400, ID, postal addresses, item re Latvian history, local pop tunes, f (Schiefelbein MO 12/9)
- 9450 **GERMANY Polish Radio** relay via Wertachtel in EG 1301-1359*, "News from Poland", nice ID at 1915, xmsn ended w/carrier cut in mid-song, f-g (D'Angelo PA 12/12) in EG 1300, Polish/eastern European news, interview w/conductor of the Polish Radio Orchestra, feature about young Poles seeking work abroad in the EU, fair w/fades (Schiefelbein MO 11/26) in PL/EG 1343, report on the Polish health care system w/speakers in Polish but EG voice-overs, 1347 mentioned trade imbalance with China and hopes to get CH aid for railway, ID, promo for Multimedia show, goodbyes but no formal s/off, just played high-intensity rock mx to 1359*, fair (Hauser OK 12/5)
- 9500 **UZBEKISTAN CVC International** relay via Tashkent in HD 1213, YL DJ spinning subcont pop mx, ID as "The Voice of Asia", contact info, news update 1230, promo, fair (Schiefelbein MO 11/23)
- 9515v **BRAZIL R Novas de Paz** Curitiba in PT 0850, local mx, religious talk/music 0900, fair, //11725 but weaker signal and 6080 which was very poor w/co-channel QRM (Alexander PA 11/24)
- 9535 **THAILAND R Thailand** Udorn Thani in EG 2037-2114*, news, announcements from the Royal Kingdom and world news, into Thai 2045 w/gong, ID and fqy, talk re local wildlife sanctuaries, f-g (Alexander PA, D'Angelo PA 12/17)
- 9540 **SÃO TOME VOA** relay in Kinyarwanda dialect 0355-0429*, OM w/talk, hosting US pop music, VOA ID at s/off, f-g (Caras ME 11/24)
- 9570 **ALBANIA China R Int** relay in CH 0200, IS, ID, national/regional news, g (McGuire MD 12/11)
- 9620 **SOUTH AFRICA Trans World Radio** relay via Meyerton in EG/FR 1802-1825*, religious talk re the Holy Spirit in EG w/translation into FR, ID 1825, g (Caras ME 11/25) Aired on weekends only.
- 9635 **CHINA R Canada Int** relay via Xi'an 1500, CBC/RCI news update, into "The Link" with report on Canadian teens doing well on an international science test, fair w/flutter (Schiefelbein MO 12/7)
- 96452v **BRAZIL R Bandeirantes** São Paulo in PT 0410-0505, talk, promos, musical interlude, jingle ID, ad string, f-g, //11925.2 (Caras ME 12/1, D'Angelo FCDX-PA 12/18)
- 9655 **RWANDA Deut Welle** relay via Kigali in GM *0000, IS, ID, news, ment Kosovo, g (McGuire 12/11)
- 9665 **BRAZIL China R Int** relay in SP *0300, IS, ID, national/regional news, fair (McGuire MD 12/6)
- 9690 **RWANDA Deut Welle** relay Kigali in EG 2016, beamed to W Africa, news about Uganda, interview of head of DW's Amheric service about recently started Ethiopian jamming which was first detected by DW's in-house monitors on Nov. 11, also jamming some of VOA Amheric xmsns (Hauser OK 11/22)
- 97042v **ETHIOPIA R Ethiopia** Addis Ababa in Amharic 2005-2100*, talk in language, nice sounding local pop music, s/off w/NA, fair, //7110 good but some QRM (Alexander PA 11/24)
- 9710 **AUSTRALIA RA** to the Pacific in EG 1645, long interview to 1700, fanfare, ID, nx (Barton AZ 12/8)
- 9725 **THAILAND R Thailand** in EG 1405, world news mainly about the King's birthday celebration in Nakhon Ratchasima, feature about how His Majesty is such a sportsman, f (Hauser OK 12/5)
- 9750 **CHINA CNR-3** Hohhot in Mongolian 2259, theme mx, time pips, ID? by YL/OM in unison, long newscast w/mentions of Hohhot, f-g with brief QRM from HCJB (Schiefelbein MO 11/19)
- 9760 **CYPRUS CBCC** Limassol in GK *2215-2244*, s/on w/local GK mx and into talks, good at s/on but very weak by 2225 and only threshold by 2244, //7210, 6180 (Alexander PA 11/17)
- 9800 **MONACO TWR** relay via Monte Carlo in EG *0809-0841, OC, IS at 0812, opened at 0815 with ID, into "Search for the Truth" feature, fair w/deep fades, //6105 Germany relay (D'Angelo PA 11/24)
- 98399v **VIETNAM V of Vietnam** Hanoi in EG 2340, YL/OM talking about industry in Vietnam and playing VT vocals, p-f with deep fades (D'Angelo FCDX-PA 12/17)
- 9870 **INDIA AIR** New Delhi (Vivdh Bharati Entertainment Channel) in HD 1414, report on how caste problems detract from educational opportunities in India, splatter from VOA 9865 (Hauser OK 12/5) in HD 1356 with songs and talks, ID 1400, back to vocal and instrumental mx, g (Ronda OK 11/17)

- 110925v **ST HELENA ISLAND R St. Helena** in EG 2250, pop vocals, many IDs, solid signal after clearing up local QRM (Barton AZ 12/15) in EG 2113, Sonny & Cher rx, talk by YL w/muffled audio, Elvis rx, phone call from listener in Germany, f-g (Wilson KY 12/15) in EG 2201-2319, N American service of the 40th Anniversary Special of Radio St. Helena, Tony Leo host, call-ins from around the USA, some mails were read, IDs, frequent TCs in GMT, many US rx, signal faded out by 2319 (Wood TN 12/15) special test transmission, fair to good (Aden ID 12/15)
- 11615 **FRANCE RFI** Issoudon in EG 1625, film review of "Just a Game" about prisoners in an African jail being able to play soccer, good (Fraser ME 11/23)
- 11620 **INDIA AIR** Bangalore in EG 2212, feature on Pakistan, feature "Persons, Places, and Things", at 2216 station had technical problems w/that pgm and DJ played instrum'l mx instead, vg (Wilson KY 12/4)
- 11655 **CUBA R Rebelde** Havana in SP 1751, excellent music show "Hecho en Cuba", newscast 1800, //15370, 15570 and 17735 (Hauser OK 12/7)
- 11730 **NETHERLAND ANTILLES R Nederland** relay via Bonaire in DT *2200, bell chimes, frequency, schedule, ID, report on Kosovo, g (McGuire MD 12/10)
- 11735 **TANZANIA R Tanzania-Zanzibar** in EG 1800, Spice FM relay, news, ID (D'Angelo PA 12/12) in SH 1920-2002, local mx, occasional chatter by OM and YL w/frequent laughter, pips 2000 and into news? with mentions of Pakistan, g (Kohlbrenner PA 11/11) in EG 1800, news, p (Tilford IL 11/14) in SH 1823, exotic AR/Western/Indian music, YL DJ, ID, vg (Taylor WI 11/17) in SH 1838-1905, interview at t/in, local mx and EG ballads, ID and drums ToH, news w/ments of Zanzibar and Dar es Salaam, f (Barbour NH 11/19) in SH/EG 1759, drums, pips, "Spice FM" ID, news, back to SH 1808, nice signal, (Alexander PA 11/23) in SH 2018, lots of listenable AR mx, fair peaking to good (Ronda OK 11/24)
- 117802v **BRAZIL R Nacional da Amazonia** Brasilia in PT 1742, Musical Popular Brasileira, ID "Radiobras", at 1746, phone numbers, full ID "Radio Nacional da Amazonia", news (Brandi NJ 11/26)
- 11960 **MALI R Mali** Bamako in FR 1704, news, signature mx played on kora to signal end of news, music, lengthy talk, TC 1730, mentions of Mali, ID at 1736 (Brandi NJ 11/26) in FR 1740-1800*, talk, local vocals w/drums, ID just before carrier was cut, p-f (D'Angelo PA 12/12)
- 11990 **KUWAIT R Kuwait** in EG *1800, ID, NA, fqy, sked, program on Islam, g (McGuire MD 12/10) in EG 2044, pop vocals, ID at 2050, into regional news read by YL (Ronda OK 11/20)
- 12035 **TURKEY V of Turkey** in EG 1411, "DX Corner", mailbag, IS, ID, vg (Strawman IA 11/17) in EG 1420, popular music, news headlines and off 1427, g (Fraser ME 11/14) in EG 1402-1427*, musical show, ID 1402, g (Herr CA 11/18) in EG 1354, cultural news, starting "Hues and Colours of Anatolia" show about something next to the Bulgaria border (Hauser OK 11/12)
- 13590 **ZAMBIA CVC International** Lusaka in EG 2028, "The Edge" feature, promos and contact info, CVC headlines, music request line "Another Hindi Hit", fair (Barbour NH 12/11)
- 13640 **ALBANIA R Tirana** in EG 1035, item on cooperation of Bulgaria and Albania on an archeology project, fair (Fraser ME 11/14)
- 15120v **NIGERIA V of Nigeria** Ikorodu in EG 1759, sports news, website, ID, TC, news, financial feature, used USB to avoid splatter from WYFR on 15115 (Brandi NJ 11/26) in EG 1924, speech for an economic development conference program ads, ID, program info (Taylor WI 11/18) in EG 1815, ID, news, commentary, PSA by Bill Clinton about HIV testing and treatment, ID, poor w/deep fades, QRM and QRN (Tilford IL 11/14)
- 15140 **OMAN R Sultanate of Oman** in EG 1400-1500, pop music, news to 1438, sports news, "November Achievements" feature to 1445, chimes/gongs before s/off, weak but clear (Alexander PA 11/24)
- 15190 **EQUATORIAL GUINEA R Africa Network** in EG 1149, religious program thru 1200, ID with URL contact info, radio drama at 1203, fair (Barbour NH 12/4)
- 153445v **ARGENTINA RAE** in GM 2102, IS, ID, fqys, sked, OM/YL alternating comments and featuring ballads and tangos, S-7 signal (Strawman IA 11/27) in SP 0007-0032, live futbol coverage and sports news, website, fair (Howard CA 12/9) in SP 2253, DX program, feature about the BBC and missionary station in Congo DR, OM/YL reading each sentence of script, 2259 into next program "Conociendo la Argentina, off fqy as usual (Hauser OK 11/16)
- 15390 **RUSSIA Southern Sudan Interactive Radio Instruction** relay via Armavir in EG *1400-1428*, ID, EG language lesson about the meaning of words, doorbell sound b/w lessons, local Afro mx, p-f, aired on Tue, Thur, and Sat only (Alexander PA 11/24)

- 15475 **GABON Africa #1** Moyabi in FR 1826, news, canned jingle ID 1834, mix of music including Congolese-style and reggae (Brandi NJ 11/26) in FR 1609, IDs, jingles, feature "Made in Africa" consisting of disco music in FR and EG, vg (Wood TN 12/1)
- 15476 **ANTARCTICA LRA36 R Nacional Arcangel San Gabriel** in SP 2032-2058*, Latin vocals hosted by YL DJ, closedown ID and announcements by OM 2058 prior to carrier being terminated, p-f and very choppy signal (D'Angelo FCDX-PA 11/12, Schiefelbein MO 11/22, Hauser 11/22)
- 15675 **SOUTH AFRICA Southern Sudan Interactive Radio Instruction** relay via Meyerton in EG *1400, usual condescending EG lessons w/frequent bell-sounds as cue to 'interact', lesson about how to ask about members of the family, s/off 1429, g, Tue, Thur, and Sat only (D'Angelo PA 11/24, Hauser OK 12/4)
- 15690 **PORTUGAL RDP** in PT 1500-1559*, talk, music including wonderful bossa nova segment, periodic IDs prior to s/off (Tilford IL 11/16)
- 174951v **USA WBCQ** Monticello, ME in EG 2120, reactivated this fqy, ex-18910, preacher w/long pauses giving New Mexico address, IDs, "The Lord of the Spirit Radio Broadcast", YL w/monotone delivery of scriptural material, weak signal (Hauser OK 11/11)
- 17725 **LIBYA V of Africa** Sabrata in EG 1430-1605, commentary, reading from Green Book, feature about South Africa under apartheid, into FR after 1600, frequent IDs, f-p with deep fades (Tilford IL 11/14) in EG 1415, report on the African Union and African blacks in general, fair (Fraser ME 11/14) in EG 1553, news about South African leaders, ID ToH, instrumental mx, into FR after 1600, p-f with deep fades (D'Angelo PA 12/12) in EG 1422, OM at t/in with Martin Luther King bio, news re Islamic conference in Libya, reading from "The Green Book", commentary praising the African people and a profile on Mauritainia, fair, //21695 fair-poor (Barbour NH 11/22)
- 17750 **MOROCCO VOA** relay in Kurdish 1415, nice Kurdish music, vocal solo with plucked instrument, 1422 E-mail and phone number, mentioned Spiderman 3, website, country music in EG, quite a contrast to music at t/in (Hauser OK 11/17)
- 17770 **SOUTH AFRICA Channel Africa** Meyerton in EG 1550-1600*, financial program talking about monetary exchange rates, mortgage interest, the stock market and commodities, ID, fqy announcements at the ToH, good (Wood TN 12/1)
- 17830 **ASCENSION ISLAND BBC** relay in EG ;2000, ID, report on Conrad Black, discussion about North Korea, xmsn on weekends only, good (McGuire MD 12/10)

Clandestine/Opposition Stations

- 5950 **ETHIOPIA V of the Tigrey Revolution** Mekele in Tigrinya *0356-0430, IS, talk in language, some Horn of Africa music, poor under WYFR, //5980 (Alexander PA 12/8)
- 5975 **RWANDA Sudan Radio Service** relay via Kigali in EG *0300-0330*, ID, ancmts, news 0302, feature about govt. policies in Southern Sudan, M-F only, p-f w/adjacent chan splatter (Alexander PA 11/22)
- 5985 **JAPAN Shiokaze/Sea Breeze** via Yamata in EG *1400-1430*, piano IS, requesting info re abductees, E-mail and mailing address, 3 phone numbers, feature "News on North Korea Issues", reading items from Japanese newspapers, ID w/JSR call sign, no jamming or het from R Myanmar for a change, fair (Howard CA 11/23 and 11/30)
- 6003 **NORTH KOREA Echo of Hope** Hwasong? in KR 1410, this station usually is nothing but a heterodyne against Cuba but no Cuba this time, disco-beat music at 1413, jingle, talk, //6348 which had pulse jamming 5 per second unlike 6003 (Hauser OK 11/30)
- 6300 **ALGERIA RASD** relay via Rabouni in SP 2248-2331, African folk mx, station plays some of the most interesting and entertaining mx on the SW dial, song by The Doors, another w/electric guitar, OM made few mentions of "Sahara", "Sahara democraticia", and "Polisario", strong signal throughout with no problems of note (Comeau MA 12/8)
- 6335 **IRAQ V of Iraqi Kurdistan** via Salah al Din in Kurdish 0402-0440, instrumental mx w/OM speaking over the mx, vocals, poor to fair but in the clear (D'Angelo FCDX-PA 12/18)
- 7100 **ERITREA V of the Broad Masses of Eritrea 1** via Asmara in Tigrinya 0431-0504, Horn of Africa voca flashy mx followed by OM speaking alternative w/brief HoA instrum'l mx segments, news 0455, 5+ pips 0500, ID, fqy ancmt, after segment of lively mx a long talk by YL (D'Angelo FCDX-PA 12/18)
- 7170v **ERITREA V of the Broad Masses of Eritrea 2** via Asmara in AR *0355-0420+, IS, talk, covered by jammer at approximately 0400, moved to 7175 shortly thereafter but the jammer followed. They both continued to move back and forth to no avail, jamming throughout (Alexander PA 12/8)

- 7175 **ERITREA V of the Broad Masses of Eritrea 2** via Asmara in AR *0355-0435, IS, brief talks over IS by a YL and OM, ID, fqy ancmt, news, frequent breaks in xmsn, good otherwise (D'Angelo FCDX 12/18)
- 7540 **MOLDOVA V of Mesopotamia** relay via Kishinev in Kurdish 1845-1946, non-stop Kurdish music til 1900 ID, OM in the studio taking phone calls, more music 1936, fair (D'Angelo FCDX-PA 12/17)
- 9525 **ASCENSION ISLAND Star Radio-Cotton Tree News** (broadcasting to Sierra Leone) in EG 0743, nx in EG, "This ends the news from CTN, Freetown", into local languages, OC, drums, and the restart of their programming the same news again in EG, abruptly off 0800, f-p (Howard CA 11/18) same type of programming on 11/24 with s/off in mid-sentence while OM was talking, p-f (D'Angelo PA) in EG *0800-0730, s/on with ID and into nx in EG concerning Liberia, audio somewhat muffled but good signal strength, R Okapi programming heard on this fqy previous morning but now back to the normal Star Radio programming, EG CTN news at 0730 (Alexander PA 11/23, Hauser OK 11/21)
- 9635 **SOUTH AFRICA R Okapi** (bcsting to Congo) in FR *0400-0419, tones before s/on w/ drums, various R Okapi reporters w/ many recorded items, each item ending with "Radio Okapi", upbeat singing jingle, fair to good reception (Howard CA 11/18)
- 9930 **HAWAII Open Radio for North Korea** via KWHR Naalehu in KR 1112-1131, KR ballad, RS folk song segment in EG and KR with news items - mayor still missing after boat capsized, plans for a Bruce Lee theme park in Hong Kong etc., p-f with no jamming noted (Howard CA 11/26)
- 11610 **MADAGASCAR R Voice of the People** relay in EG/Vern *0400-0445, local mx and ancmts in lang, IDs, Afro mx, EG after 0437 in difficult accent, jamming from weak to strong (Alexander PA 11/17)
- 11655 **TAIWAN Suab Xaa Moo Zoo** relay via Tainan in Hmong Njua (CH dialect) 2337-2359*, OM w/brief talks hosting program of vocals, music came thru nicely but audio was muffled, station sound had a religious feel to it, very weak (D'Angelo FCDX-PA 12/17)

Digital Reception

- 15275 **ECUADOR HCJB** Quito in SP 2143, strong 20 dB signal of their usual programming and music in stereo. Signal suddenly nose-dived at 2259 but didn't disappear completely (changed antenna pattern?) apparently a special one-day test intended for local reception in Ecuador but main lobe of their steerable antenna ended up being aimed at WCNA? (Schieffelbein MO 11/26) 

Editor's Note

Due to a production error, last month's Journal included the previous season's schedule information. We therefore are republishing Mike Barraclough's column this month, this time with the correct data. The Production Editor apologizes for the error. -rb

Times & Frequencies In English

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

Abbreviations: /= target area divider, 1st< or >2nd half hour, Af= Africa, As= Asia, CA= Central America, E= 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	6110	Tuesday to Sunday
ALBANIA R TIRANA	0245-0300	NA	7425	Tuesday to Sunday
ALBANIA R TIRANA	0330-0400	NA	6110	Tuesday to Sunday
ALBANIA R TIRANA	0430-0500	NA	7425	Tuesday to Sunday
ALBANIA R TIRANA	1530-1600	NA	13640	Monday to Saturday
ALBANIA R TIRANA	1945-2000	Eu	6135 7465	Monday to Saturday
ALBANIA R TIRANA	2100-2130	Eu NA	7430 9915	Monday to Saturday
R NACIONAL ANGOLA	2100-2200	Af	7217	
RAE ARGENTINA	0200-0300	NA	11710	Tuesday to Saturday
RAE ARGENTINA	1800-1900	Eu	9690 15345	Monday to Friday
AWR AFRICA	1800-1830	Af	3215m 3345m	11830m
AWR AFRICA	2000-2030	Af	9655m	
AWR AFRICA	2100-2130	WAF	9830A	
AWR ASIA	1130-1200	EAs	15260g	
AWR ASIA	1200-1230	As	15495w	
AWR ASIA	1330-1400	SEAs	15660g	not Sunday/Wednesday
AWR ASIA	1500-1530	As	12105g	
AWR ASIA	1530-1600	As	11675w	
AWR ASIA	1600-1630	SAs	9595g 11690g	
AWR ASIA	1630-1700	SAs	11980g	
AWR ASIA	1730-1800	ME	9980g	
AWR ASIA	2130-2200	As	9720g	
AWR ASIA	2230-2300	As	15320g	
HCJB AUSTRALIA	0000-0030	As	15525	Sunday
HCJB AUSTRALIA	0730-0930	Pa	11750	
HCJB AUSTRALIA	1200-1230	As	15400	Saturday, Sunday
HCJB AUSTRALIA	1400-1430	As	15400	Sunday
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
RADIO AUSTRALIA	0600-0700	As Pa	9660 11650 12080 13690 15160 15240 15415>	15515 17750
RADIO AUSTRALIA	0700-0800	As Pa	9660 9710 11650 12080 13630 15160 15240 15415	17750
RADIO AUSTRALIA	0800-0900	As Pa	9580 9590 9710 12080 13630 15415	17750

RADIO AUSTRALIA	0900-1000	As Pa	9580 9590 11880 12080 15415>
RADIO AUSTRALIA	1000-1100	As Pa	9580 9590 11880 12080 15415
RADIO AUSTRALIA	1100-1200	As Pa	5995 6020 9475 9560 9580 9590 11880
RADIO AUSTRALIA	1200-1300	As Pa	6020 9475 9560 9580 9590 11880
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	2300-0000	As Pa	9660 12010 12080 13690 15230 <15240v 15415> 17750> 17785 17795

VOICE INT AUSTRALIA	0100-0300	SAs	9480T
VOICE INT AUSTRALIA	0400-0700	SAs	15515 Armenia
VOICE INT AUSTRALIA	0600-1000	SAs	15360
VOICE INT AUSTRALIA	1000-1100	SAs	15270
VOICE INT AUSTRALIA	1100-1800	SAs	13635
VOICE INT AUSTRALIA	1300-1600	SAs	15735 Armenia

Weekday schedule:

RADIO AUSTRIA INT	0013-0028	CNA	7325 Tuesday to Saturday
RADIO AUSTRIA INT	0043-0058	NA	7325 Tuesday to Saturday
RADIO AUSTRIA INT	1305-1320	AsPa	17855 Monday
RADIO AUSTRIA INT	1305-1320	Eu	6155 13730 Monday
RADIO AUSTRIA INT	1315-1330	AsPa	17855 Tuesday to Friday
RADIO AUSTRIA INT	1345-1400	AsPa	17855 Monday 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
RADIO AUSTRIA INT	2343-2358	LA	9870 Monday to Friday

Weekend schedule:

RADIO AUSTRIA INT	0005-0028	CNA	7325 Sunday and Monday
RADIO AUSTRIA INT	0133-0156	ENA	7325 Sunday and Monday
RADIO AUSTRIA INT	0605-0658	ME	17870 Sunday (except German News 0630-0635)
RADIO AUSTRIA INT	1305-1358	Eu/AsPa	6155 13730/ 17855 Saturday and Sunday (except German News 1330-1335)
RADIO AUSTRIA INT	1605-1658	WNA	13775c Saturday and Sunday (except German News 1630-1635)
RADIO AUSTRIA INT	2335-2358	LA	9870 Saturday and Sunday

The station also has a short English news bulletin to Europe at 0709 on 6155.

VOICE OF AZERBAIJAN	1700-1730	ME	6110
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RADIO BANGLADESH	1230-1300	As	7250
RADIO BANGLADESH	1745-1900	Eu	7250 9550

BELARUS RADIO MINSK	2100-2300	Eu	6090 7360 7390 7420
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RADIO BULGARIA	0000-0100	NA	7400 9400
RADIO BULGARIA	0300-0400	NA	7400 9400
RADIO BULGARIA	0730-0800	Eu	7400 9400
RADIO BULGARIA	1230-1300	Eu	11700 15700
RADIO BULGARIA	1830-1900	Eu	7400 9400
RADIO BULGARIA	2200-2300	Eu	7400 9400

RADIO CANADA INT	0000-0057	SEAs	9880x
RADIO CANADA INT	0005-0104	NA	9755 (Tuesday to Saturday)
RADIO CANADA INT	0100-0157	SEAs	5840H 7255u
RADIO CANADA INT	1500-1557	As	5965x 7115x
RADIO CANADA INT	1505-1705	NA	9515
RADIO CANADA INT	1800-1859	Af	7185x 11875V 13650 15365 17790
RADIO CANADA INT	2100-2159	Eu	5850H 9770

CHINA RADIO INT	0000-0100	NA/As/Eu	6020q 6040c 7170q 9570q/ 7180 9425 11730> 11885/ 7130
CHINA RADIO INT	0100-0200	NA/As/Eu	6005c 6020q 9570q 9580h 6075 7180 7300 7345 11650 <11730/ 7130
CHINA RADIO INT	0200-0300	As	9550 11770 13640
CHINA RADIO INT	0300-0400	NA/As	6190c 9690e 9790h/ 9460 11770 13620 15110 15120
CHINA RADIO INT	0400-0500	NA/As	6190c 9560c 9755g/ 9460 13620 15120 17725 17855
CHINA RADIO INT	0500-0600	NA/Af/As	5960c 6190c/ 7220q 17505/ 11770 11880 15350 15465 17540 17725 17855

CHINA RADIO INT	0600-0700	NA/Af/As	6115c/1750q 17505 /11770 11880 13645 15140 15350 15465 17540 17710
CHINA RADIO INT	0700-0800	Eu/As	11785q 17490 /11880 13645 13685q 15350 15465 17540 17710
CHINA RADIO INT	0800-0900	Eu/As	11785q 17490 / 9415 11880 13685q 15350 15465 17540
CHINA RADIO INT	0900-1000	Eu/As/Pa	15270 17490 17570 / 9415 15350 /15210 17690
CHINA RADIO INT	1000-1100	Eu/As/Pa	17490 / 5955 7135 7215 13590 13720 15190 15350 /15210 17490
CHINA RADIO INT	1100-1200	Eu/NA/As	13665q 17490 / 5960c/ 5955 11650 11795 13645 13720
CHINA RADIO INT	1200-1300	As	5955 7205 9460 9730 11650 11690 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 9730 9765 9870 11980 17490
CHINA RADIO INT	1300-1400	Eu/Pa/Af	13610 13790 /11760 11900 /11640e 13630e 15540 via Chile
CHINA RADIO INT	1400-1500	NA/As	13675c 13740h 15230c/ 5955 9460 9560 9700 9765 9870
CHINA RADIO INT	1400-1500	Eu/Af	9700 9795 /13685e 15540 Chile 17730e
CHINA RADIO INT	1500-1600	Eu/Af	9435 9525 / 6100n 13685m 17630e
CHINA RADIO INT	1500-1600	NA/As	13740h/ 5955 7160 7325 9785 9870
CHINA RADIO INT	1600-1700	Eu/Af/As	7255 9435 9525 / 6100n 7150 9570 11900/ 9600
CHINA RADIO INT	1700-1800	Eu/Af/As	6100 7205 7255 7335 / 6100n 7150 9570 / 7315
CHINA RADIO INT	1800-1900	Eu	6100 7110
CHINA RADIO INT	1900-2000	Af	7295 9440 9585
CHINA RADIO INT	2000-2130	Af	11640e 13630e
CHINA RADIO INT	2000-2100	Eu/Af	5960q <7160 7190 7285q 9600 /5985 7295 9440
CHINA RADIO INT	2100-2200	Eu	5960q 6135 7190 7285q 9600
CHINA RADIO INT	2200-2300	Eu/As	7170r/ 5915 7160
CHINA RADIO INT	2300-0000	NA/As	5990h 6040c 11970c/ 5915 6145 7180 9610

VOICE OF CROATIA	0300-0315	Eu NA	3985 7285w
VOICE OF CROATIA	0700-0705	Eu Pa	6165 9470w 11690w
VOICE OF CROATIA	1100-1103	Eu	6165
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 6165 7285w

CUBA RADIO HAVANA	0100-0500	NA	6000 6180
CUBA RADIO HAVANA	0500-0700	NA	6000 6060 6180 9550 11760
CUBA RADIO HAVANA	2030-2130	NA	9505 11760
CUBA RADIO HAVANA	2300-0000	CAM	9550

CZECH RADIO PRAGUE	0100-0127	NA	6200 7345
CZECH RADIO PRAGUE	0200-0227	NA	6200 7345
CZECH RADIO PRAGUE	0400-0427	NA	5990c 6200 7345
CZECH RADIO PRAGUE	0430-0457	Af As	9890
CZECH RADIO PRAGUE	0800-0827	Eu	7345 9860
CZECH RADIO PRAGUE	1000-1029	As/Af	15710/ 21745
CZECH RADIO PRAGUE	1000-1029	LA	9955 via WRMI
CZECH RADIO PRAGUE	1130-1157	Eu/Af	11640/ 17545
CZECH RADIO PRAGUE	1400-1429	Eu/As	11600
CZECH RADIO PRAGUE	1500-1527	NA	7385 via WRMI
CZECH RADIO PRAGUE	1700-1727	Eu/Af	5930/ 15710
CZECH RADIO PRAGUE	1800-1827	Eu/Af	5930/ 9400
CZECH RADIO PRAGUE	2100-2127	Eu/As Pa	5930/ 9435
CZECH RADIO PRAGUE	2230-2257	NA/Af	5930/ 9435
CZECH RADIO PRAGUE	2330-2357	NA	5930 7345

EGYPT RADIO CAIRO	0200-0330	NA	7270
EGYPT RADIO CAIRO	1215-1330	sAs	17835
EGYPT RADIO CAIRO	1600-1800	Af	11740
EGYPT RADIO CAIRO	1900-2030	wAf	15375
EGYPT RADIO CAIRO	2115-2245	Eu	6250
EGYPT RADIO CAIRO	2300-0030	NA	9460

EQ GUINEA R AFRICA	0700-1200	Af	15190
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RADIO ETHIOPIA	1600-1700	Af	7165 9560
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RADIO FRANCE INT	0400-0430	eAf	7315 9805 Monday to Friday
RADIO FRANCE INT	0500-0530	eAf	9805 11995 Monday to Friday
RADIO FRANCE INT	0600-0630	eAf	7315 11995 13680 Monday to Friday
RADIO FRANCE INT	0700-0730	wAf	11725
RADIO FRANCE INT	1200-1230	Af	21620
RADIO FRANCE INT	1600-1700	Af	11615 15160m

Schedule valid until March 1

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	7315 9765 13680 15160	Monday to Friday
RADIO FRANCE INT	0700-0730	wAf	15605	
RADIO FRANCE INT	1200-1230	Af	21620	
RADIO FRANCE INT	1600-1700	Af	11995 15160n	15605

Schedule valid from March 2

GERMANY D WELLE	0000-0100	sAs	7265f 9785f 15595r	
GERMANY D WELLE	0300-0400	As	9785f 13790d	
GERMANY D WELLE	0400-0500	Af	5905u 5945s 6180r 7225s 15445f	
GERMANY D WELLE	0500-0530	Af	6180k 7285u 9755r 12045r 15410d	
GERMANY D WELLE	0600-0630	Af	5945s 7240u 12045k	
GERMANY D WELLE	0900-1000	As	17710f 21840l	
GERMANY D WELLE	1600-1700	As	5965f 9795f	
GERMANY D WELLE	1900-1930	Af	9735k 11690m 13780f 15275s	
GERMANY D WELLE	2000-2100	Af	9690k 9880d 13780f	
GERMANY D WELLE	2100-2200	Af	7280s 9545f 11690k 13780k	

VOICE OF GREECE	0005-0100	Eu NA Af	7475 9420 12105	Monday
VOICE OF GREECE	0300-0400	Eu NA Af	7475* 9420 12105*	Monday (*, ends 0350)
VOICE OF GREECE	0700-0800	Eu	12105	
VOICE OF GREECE	1105-1200	Eu As Pa	9420 15650	Sunday

KTWR GUAM	0800-0900	Pa	11840	Monday to Friday (Saturday -0845)
KTWR GUAM	0805-0900	sAs	15170	Tuesday to Friday (Monday 0830-0900)
KTWR GUAM	1400-1500	SAs	9975	Tuesday, Wednesday (-1430 Monday, Thursday and Friday)

AII 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 9950 11620 11935 13605 15075 15155 17670	
AII INDIA RADIO	2045-2230	Eu Pa	7410 9445 9910 9950 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 6265L 7320/ 9855 11695	

IRELAND	1600-2330	Eu	3910 6295 12255	Reflections Europe Sunday
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KOL ISRAEL	0430-0445	Eu NA Pa	6280 7545 17600	
KOL ISRAEL	1030-1045	Eu NA	13855 15760	
KOL ISRAEL	1830-1845	Eu NA	6985 7545 9345 15640	

IRRS	1000-1300	Eu ME Af	9510	Sunday
IRRS	1800-2000	Eu ME Af	7285	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/Af	5975w/ 6110c	
RADIO JAPAN	0500-0530	As	9875 17810	
RADIO JAPAN	0900-0930	As/Pa	11815 15590/ 9825 12000	
RADIO JAPAN	1200-1230	NA/Eu	6120c/17585d	
RADIO JAPAN	1310-1340	As	9875	
RADIO JAPAN	1400-1430	Eu/NA/Af	11780w/11705c/17580d	
RADIO JAPAN	1400-1430	As	7200 9875	
RADIO JAPAN	2200-2220	Pa	13680	

RADIO JAPAN	0500-0530	SWAs	15325	
Regional service	0900-0930	SWAs	15590	

RADIO JORDAN	1600-1730	Eu NA	11690	
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KOREA KBS WORLD R	0200-0300	LA	15575	
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	Eu/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	1900-2000	ME Af	7100 9975 11535 12015
VO KOREA PYONGYANG	2100-2200	Eu	7570 12015
RADIO KUWAIT	0500-0800	SAs	15110
RADIO KUWAIT	1800-2100	Eu	11990
LAOS LNR Vientiane	0600-0630	As	7145
LAOS LNR Vientiane	1330-1405	As	7145
LATVIA Latvia Today	1300-1400	Eu	9290 Saturday
LATVIA Latvia Today	0700-0800	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	2330-0000	NA	7325
VOICE OF MALAYSIA	0600-0830	As/Pa	6175 9750 15295.
MOLDOVA	1500-1515	Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1600-1615	Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1700-1715	Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1800-1815	Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	1900-1915	Eu	7370 Radio Pridnestrovye Monday to Friday
MOLDOVA	2300-2315	NA	6240 Radio Pridnestrovye Monday to Friday
MOLDOVA	0000-0015	NA	6240 Radio Pridnestrovye Tuesday to Saturday
VOICE OF MONGOLIA	0930-1000	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	0000-0200	NA	6165b
RADIO NETHERLANDS	0500-0600	NA	6165b
RADIO NETHERLANDS	1000-1100	As	6040r 9795r 12065r
RADIO NETHERLANDS	1200-1300	NA	11675b
RADIO NETHERLANDS	1400-1600	As	9345T 12080t 15595t
RADIO NETHERLANDS	1800-1900	Af	6020t 11655t 12050t
RADIO NETHERLANDS	1900-2000	Af	11655t 11805m 12050t 17810b
RADIO NETHERLANDS	1900-2100	NA	15315t 15525t Saturdays and Sundays
RADIO NETHERLANDS	2000-2100	Af	7120t 11655t 17810b
NETHERLANDS KBC	2200-2300	Eu	6255L Friday
NETHERLANDS KBC	2200-2300	Eu	6255L Saturday
NETHERLANDS KBC	0100-0200	NA	6255L Sunday
RADIO NEW ZEALAND	0459-0658	Pa	17675
RADIO NEW ZEALAND	0659-1058	Pa	9765
RADIO NEW ZEALAND	1059-1258	Pa	13840
RADIO NEW ZEALAND	1259-1650	Pa	5950
RADIO NEW ZEALAND	1551-1750	Pa	7145
RADIO NEW ZEALAND	1651-1950	Pa	9615
RADIO NEW ZEALAND	1951-2235	Pa	17675
RADIO NEW ZEALAND	2236-0458	Pa	15720
VOICE OF NIGERIA	0500-0700	Eu Af	15120
VOICE OF NIGERIA	1000-1530	Af	9690
VOICE OF NIGERIA	1700-2100	Eu Af	15120

RADIO OMAN	1400-1500	Eu	15140
RADIO PAKISTAN	0045-0115	sAs	7445
RADIO PAKISTAN	0730-0830	Eu	15100 17835 also 1100-1104
RADIO PAKISTAN	1600-1615	Af ME	6240 7520 11570
RADIO PILIPINAS	0200-0330	As	12025 15285 17770
PHILIPPINES FEBC	1000-1030	As	15325
POLAND R POLONIA	1300-1400	Eu NA	5975n 9450w
POLAND R POLONIA	1700-1800	Eu	6015w 7130F
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	6055 6115 7145 9755
RADIO ROMANIA INT	2300-2400	Eu NA	6015 6115 7105 9610
VOICE OF RUSSIA	0200-0300	NA	6240 7250 12040 13735
VOICE OF RUSSIA	0300-0400	NA	6155 6240 7350 12040 13735
VOICE OF RUSSIA	0400-0500	NA	6155 6240 7150 7350 9840 9855 12010 12030 12040
VOICE OF RUSSIA	0400-0600	As	9550 12090 13580 15455 15530 15765 17695 17840
VOICE OF RUSSIA	0500-0600	NA	7150 7350 9840 9855
VOICE OF RUSSIA	0600-0700	Pa	17665 17805
VOICE OF RUSSIA	0700-0800	As/Pa	9550 13580/ 17665 17805
VOICE OF RUSSIA	0800-0900	As/Pa	9550 13580 13660 15195/ 17495 17665 17805
VOICE OF RUSSIA	0900-1000	As/Pa	9550 13580 13660 15195/ 17495 17665
VOICE OF RUSSIA	1500-1600	As	7260 7350 9660
VOICE OF RUSSIA	1600-1700	Eu/Af	6130 7320/ 11985 15540
VOICE OF RUSSIA	1600-1700	As	4965 4975 7260 7350 9470
VOICE OF RUSSIA	1700-1800	Eu/As	7320/ 6125 7125 7235 7270 9470
VOICE OF RUSSIA	1800-1900	Eu/Af	6055 * 6175 * 7105 7320/ 7270 7335 11510 * Saturday, Sunday
VOICE OF RUSSIA	1800-1900	As	6125 7125 7235 7335
VOICE OF RUSSIA	1900-2000	Eu/Af/As	6175 7105 7290/ 7335 11510/ 7335
VOICE OF RUSSIA	2000-2100	Eu/As	6145 7105 7330/ 5955
VOICE OF RUSSIA	2100-2200	Eu/As	6145 7290 7330/ 5955
S ARABIA R RIYADH	1000-1230	As Eu	15250
INT RADIO SERBIA	1400-1430	Eu	7240
INT RADIO SERBIA	1930-2000	Eu	7240
RADIO SINGAPORE INT	1100-1400	As	6080 6150
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	3345
S AFRICA CHANNEL AF	0500-0600	Af	7230 9685
S AFRICA CHANNEL AF	0600-0700	Af	7230 15255
S AFRICA CHANNEL AF	0700-1200	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 17570 Sunday
S AFRICA R LEAGUE	1900-2000	sAf	3215 Monday
REE SPAIN	0000-0059	NA	6055
REE SPAIN	2000-2059	Eu Af	9605 9690 Monday to Friday
REE SPAIN	2200-2259	Eu	6125 Saturday and Sunday
REE SPAIN	2200-2259	Af	9595 Sunday
SLBC SRI LANKA	0100-0430	As	6005 9770 15745 (Sunday -0515)

SWAZILAND TWR	0300-0330 Af	3200 Sunday
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	1615-1645 Af	6130 (Saturday and Sunday 1630-1700)
SWAZILAND TWR	1700-2045 Af	3200
SWAZILAND TWR	1730-1900 Af	9500
RADIO SWEDEN	0230-0300 NA AsPa	6010c 11550t
RADIO SWEDEN	0330-0400 NA	6010c
RADIO SWEDEN	1330-1400 AsPa/NA	7420/ 15240
RADIO SWEDEN	1430-1500 Eu AsPa	9400
RADIO SWEDEN	1530-1600 Eu/NA	7440/ 15240c
RADIO SWEDEN	1830-1900 Eu	6065 Wed, Th, Fri only
RADIO SWEDEN	2030-2100 AsPa	7420t
RADIO SWEDEN	2130-2200 Eu	7120t
RADIO SWEDEN	2230-2300 Eu	6065
SYRIA R DAMASCUS	2005-2205 Eu NA	9330 12085
R TAIWAN INT	0100-0200 As	11875 15465
R TAIWAN INT	0200-0300 NA	5950f 9680f
R TAIWAN INT	0300-0400 NA/LA/As	5950f/15215f/15320
R TAIWAN INT	0700-0800 NA	5950f
R TAIWAN INT	1100-1200 SEAs	7445 11715
R TAIWAN INT	1600-1700 As	11550 9785F(-2 Mar) 11995(3 Mar-)
R TAIWAN INT	1700-1800 Af	11850F
R TAIWAN INT	1800-1900 Eu	3965F
R TAIWAN INT	2200-2300 Eu	9355f
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	0230-0300 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	0400-0350 Eu NA/As	6020/ 7240
VOICE OF TURKEY	1330-1420 Eu/AsPa	12035/ 11735
VOICE OF TURKEY	1930-2020 Eu	6055
VOICE OF TURKEY	2130-2220 As Pa	7180
VOICE OF TURKEY	2300-2350 Eu NA	5960
UK BIBLE VOICE	0000-0200 Iraq	6140w Friday
UK BROADCASTING	0030-0100 SEAs	6030w Friday, Saturday, Sunday
UK NETWORK	0800-0945 WEu	5945w Saturday and Sunday (0800-0900 Friday)
UK	1015-1045 Korea	5985r Sunday
UK	1115-1200 China	5950r Sunday (1115-1130 Mon-Fri, 1100-1200 Saturday)
UK	1200-1230 WEu	5945w Sunday
UK	1400-1500 SEAs	11695N Saturday and Sunday
UK	1500-1530 SEAs	11895w Tuesday, Saturday
UK	1515-1600 SEAs	12035J Saturday (1530-1600 Monday, Thursday)
UK	1630-1830 ME	9460w Sunday (1640-1700 Mon, 1640-1800 Tu, 1640-1715 We, 1640-1745 Th, 1640-1715 & 1830-1900 Fri, 1645-1830 & 1900-1930 Sat)
UK	1800-1900 ME	9615w Saturday (Sunday 1730-1800, 1830-1900)
UK	1800-1815 Iran	7210j
UK	1845-2000 Af	7260w Sunday
UK	1900-1930 Af	7245w Sunday
UK	1900-1945 EEu	6010j Saturday (1900-1930 & 2000-2030 Sunday)
UK	1900-2000 ME	9470w Saturday and Sunday (Friday 1930-2000)
UK FAR EAST BC ASSOCIATION	1400-1415 SEAs	7150r
	1415-1445 SEAs	12045d Monday (1430-1445 Tue, Wed, Fri)
RADIO UKRAINE INT	0600-0700 Eu	7440
RADIO UKRAINE INT	0800-0900 Eu	7440
RADIO UKRAINE INT	1200-1300 Eu	9950

RADIO UKRAINE INT	2000-2100	Eu	5840
RADIO UKRAINE INT	2200-2300	Eu	5830
UNIVERSAL LIFE	1300-1330	As	15750 via IRRS Sunday
ISA KAIJ	2200-1300	NA FE	5755
ISA KAIJ	1300-2200	NA FE	9480
ISA KJES	0200-0330	NA	7555
ISA KJES	1400-1600	NA	11715
ISA KJES	1900-2000	Pa CAm	15385
ISA KNLS	0800-0900	FE	9615
ISA KNLS	1000-1100	FE	6150
ISA KNLS	1200-1300	FE	6150 6915
ISA KNLS	1400-1500	FE	6150
ISA KTBN	0100-1400	NA	7505
ISA KTBN	1400-0100	NA	15590
ISA KWHR	0100-0500	As	17525
ISA KWHR	0500-0800	As	11565 15610
ISA KWHR	0800-1100	As	9930 11565
ISA KWHR	1100-1200	As	9930
ISA KWHR	1200-1400	As	12130
ISA KWHR	1400-1800	As	9930
ISA OVERCOMER	1400-1600	Eu ME	6110j 13810N 15325N
ISA MINISTRY	1600-1700	Eu	6110j Sunday
ISA PAN AMERICAN	0030-0045	SEAs	6165w Sunday
ISA BROADCASTING	1400-1415	ME	13645N Saturday (1430-1445 Sunday)
ISA	1400-1415	Armenia	13750N Wednesday and Friday
ISA	1415-1430	SEAs	13645w Nauen (1400-1430 Sunday and Wednesday)
ISA	1430-1445	SEAs	13750j Sunday
ISA	1600-1645	ME	9850j Sunday (1600-1630 Thursday)
ISA	1930-2015	ME	6020w Sunday (Friday 2000-2030, Saturday 1930-2030)
ISA UNIVERSITY NETWORK	0000-1200	NA	5030 6150 7375 9725 Costa Rica
GENE SCOTT	1200-2400	NA	9725 11870 13750 Costa Rica
	1000-2200	NA	11775 Anguilla
	2200-1000	NA	6090 Anguilla
ISA VOA	1400-1500	Eu ME	9865 15205
ISA VOA	1500-1600	Eu ME	9865 11765
ISA VOA	0300-0400	Af	4930 6080 9885 15580
ISA VOA	0400-0500	Af	4930 4960 6080 9885 15580
ISA VOA	0500-0600	Af	4930 5855 6080 9885 15580
ISA VOA	0600-0700	Af	6080 9885 15580
ISA VOA	1400-1600	Af	4930 6080 15580 17715 17895
ISA VOA	1600-1700	Af	4930 6080 15580 17715 17895
ISA VOA	1700-1800	Af	6080 13710 15580 17895* *Sat, Sun
ISA VOA	1800-1900	Af	4930> 6080 11975 13710 15580 17895 (Sat, Sun 4930 is from 1800)
ISA VOA	1900-2000	Af	4930 4940 6080 11975 13710 15580 17895
ISA VOA	2000-2100	Af	4930 <4940 6080 11975 13710 (4940 to 2100 Sat, Sun)
ISA VOA	2100-2200	Af	6080 15580
ISA VOA	2030-2130	AFG	7595
ISA VOA	2130-0030	AFG	7405
ISA VOA	0100-0200	FE SAs Pa	7200 9865 11705
ISA VOA	1200-1300	FE SAs Pa	9640 9760 11705 11730 15190
ISA VOA	1300-1400	FE SAs Pa	9640 9760 11705
ISA VOA	1400-1500	FE SAs Pa	7125 9760 11885 12150
ISA VOA	1500-1600	FE SAs Pa	7125 9520 11510 12150 13735
ISA VOA	2200-2300	FE SAs Pa	5910 7120 7220 7425 9490 11725
ISA VOA	2300-2400	FE SAs Pa	5910 7120 7220 9490 11725 15185
ISA VOA	1730-1800	ZIM	4930 12080 15775 (Sat, Sun 1720-1740)
ISA WBCQ	0000-1100	NA	5110
ISA WBCQ	1500-0500	NA	9330 (Sunday -0430)
ISA WBCQ	1800-0000	NA	17495 (Sunday 1800-2200, Wed 1800-0030, Saturday 0100-0200, 1800-2300)
ISA WBCQ	1900-0530	NA	7415 (Sat -0600, Sun -0545)
ISA WBOH	0000-2400	NA	5920 Spanish and English

USA WEWN	0000-0500	NA Eu	5810
USA WEWN	0500-0800	NA	5810 5850
USA WEWN	0800-1500	NA	5850
USA WEWN	1500-1600	NA	11530
USA WEWN	1600-2000	NA Eu	11530 15785
USA WEWN	2000-2200	NA Eu	11530 17595
USA WEWN	2200-0000	NA Eu	7560 9975
USA WHRI	0100-0500	EuAf NA	5835(Mo-Fr) 5850 7315(Sa,Su) 7490
USA WHRI	0500-0600	EuAf NA	5835(Mo-Fr) 7315(Sa,Su) 7465 7490
USA WHRI	0600-0700	EuAf NA	5835 7315 7465
USA WHRI	0700-1000	EuAf NA	5835 7315
USA WHRI	1000-1100	EuAf NA	5835 9865
USA WHRI	1100-1200	EuAf NA	5875 7315
USA WHRI	1200-1300	EuAf NA	7520(Mo-Sa) 9660 13650
USA WHRI	1300-1400	EuAf NA	7520(Mo-Sa) 9840 15665(Mo-Sa)
USA WHRI	1400-1500	EuAf NA	9495(Mo-Fr) 9840 11785(Sa,Su) 15665(Mo-Sa)
USA WHRI	1500-1600	EuAf NA	9840 11785 13650(Su) 15665(Mo-Sa)
USA WHRI	1600-1700	EuAf NA	9840 15285 17650
USA WHRI	1700-1800	EuAf NA	9840 15285 15670
USA WHRI	1800-1900	EuAf NA	9840 15285(Sa,Su) 15670 17650(Mo-Fr)
USA WHRI	1900-2000	EuAf NA	9840 11785 17640
USA WHRI	2000-2100	EuAf NA	7520(Mo-Fr) 11765(Mo-Sa) 11785(Sa,Su) 15665(Fr) 17640
USA WHRI	2100-2200	EuAf NA	7520 9525 11765(Mo-Sa)
USA WHRI	2200-2300	EuAf NA	7490(Su) 7520 9525 11765(Mo-Sa)
USA WHRI	2300-0100	EuAf NA	5850 7315 7490(Su) 11765(Mo-Sa)
USA WINB	1100-1300	NA	9265
USA WINB	1300-2300	NA	13570
USA WINB	2300-0400	NA	9265
USA WMLK	1600-2100	Eu ME	9265 Monday to Saturday
USA WRMI	0200-0400	NA	7385 Tuesday to Saturday
USA WRMI	0400-1500	LA	9955
USA WRMI	1500-1700	NA	7385
USA WRMI	1700-0200	LA	9955 (also 0200-0400 Sun, Mon, Sundays off air 2200-2300)
USA WRMI	2200-2300	NA	7385 Sunday
9955 carries English and Spanish programming			
USA WTJC	0000-2400	NA	9370
USA WWCR	0000-0400	NA	3215 5070 5935 7465
USA WWCR	0400-1000	NA	3215 5070 5890 5935
USA WWCR	1000-1100	NA	5070 5890 5935 9985
USA WWCR	1100-1300	NA	5070 5890 5935 15825
USA WWCR	1300-1400	NA	5890 5935 9985 15825
USA WWCR	1400-1500	NA	5890 9985 13845 15825
USA WWCR	1500-1900	NA	9985 12160 13845 15825
USA WWCR	1900-2100	NA	9975 12160 13845 15825
USA WWCR	2100-2200	NA	7465 9975 12160 13845
USA WWCR	2200-2300	NA	5070 7465 9985 13845
USA WWCR	2300-0000	NA	3215 5070 9985 13845
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	1700-2300	NA Eu Af	9385 9430 12180 15250
USA WWRB	2300-0000	NA Eu Af	6890
Schedule subject to daily variations dependent on time booked			
USA WYFR	0000-0100	NA/LA	6085 9505 9715 /11720
USA WYFR	0100-0200	NA/As	6065 9505 /15195t
USA WYFR	0200-0300	NA/LA	6065 9505 9525 / 5985 11855
USA WYFR	0300-0400	NA/LA	6065 9505 /11740 15255
USA WYFR	0400-0500	Eu/NA	7780 / 6065 6915 9505 9715
USA WYFR	0500-0600	Eu/NA	7520 / 6915
USA WYFR	0600-0700	NA/LA	9680 / 6000
USA WYFR	0600-0700	Eu/Af	5745 11530 /11580

USA WYFR	0700-0800	Eu/NA/Af	7780 / 9985
USA WYFR	0700-0800	NA/LA	6875 7455 9715 / 9495
USA WYFR	0800-0900	NA/Af	5950 6875 7455 / 9985
USA WYFR	0900-1000	NA/As	5950 6875 7455 / 9460r 9465v
USA WYFR	1000-1100	NA/As	5950 6875 6890 7455
USA WYFR	1100-1200	NA/LA	5950 6890 7780 / 6000 11725 11830
USA WYFR	1200-1300	NA/LA	6890 7780 11970 /11530
USA WYFR	1300-1400	NA/As	7780 11830 11855 11970 / 7175r 7560r 11520v 11560v 13700w
USA WYFR	1400-1500	NA/As	11565 11855 13695 17760 / 5920r 7560r 11560v
USA WYFR	1500-1600	NA/LA	11565 11855 17760 /15210
USA WYFR	1500-1600	As/Af	5920r 6280v 12015d/13660w
USA WYFR	1600-1700	NA/LA	11565 11830 13695 17760 / 6085
USA WYFR	1600-1700	Eu/Af/As	18980 21455 / 9885w 11845w 15325N 17690 /12010d
USA WYFR	1700-1800	Eu/Af/NA	3955u 18980 21455 / 9885w 21680a/13695 17555
USA WYFR	1800-1900	Eu/Af	7240u 7345r 18980 / 7395t 9885w 9895d 11665w 13660w 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 7160d 7395t 15115
USA WYFR	2000-2100	Eu/Af	5745 6240r 6915 / 6020t 15115 15195a
USA WYFR	2000-2100	NA/LA	17535 17555/ 17575
USA WYFR	2100-2200	Eu/Af/NA	5745 6240r 6915 /11875a(2115-) 15195a 15565 /17535 17555
USA WYFR	2200-2300	NA/Af	11740 / 7305w 11875a(-2315) 17690
USA WYFR	2300-0000	NA/LA	11740 / 9430 15400

VATICAN RADIO	0140-0200	As Pa	5915 7335
VATICAN RADIO	0250-0320	NA	6100 7305
VATICAN RADIO	0300-0320	As	12070
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 As Pa Af	4005 5965 7245 7250 9645 11740 15595
VATICAN RADIO	1130-1200	Af As Pa	15595 17765
VATICAN RADIO	1515-1600	As Pa	9310 11850 13765
VATICAN RADIO	1715-1730	Eu As Pa 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	1530 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
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
VOICE OF VIETNAM	1500-1530	SEAs	7285 9840
VOICE OF VIETNAM	1600-1630	Eu SEAs	7220 7280 9550 9730
VOICE OF VIETNAM	1800-1830	Eu	5955A
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

ZAMBIA CHRISTIAN V	0500-1500	Af	6065
ZAMBIA CHRISTIAN V	1500-0500	Af	4965
ZAMBIA CHRISTIAN V	0500-0600	Waf	9430
ZAMBIA CHRISTIAN V	0600-1400	Waf	13590
ZAMBIA CHRISTIAN V	1400-1700	Waf	13650
ZAMBIA CHRISTIAN V	1700-2100	Waf	13590



World DX Club
A British Based DX Club

21st Anniversary

Winter SWL Fest

Sponsored by 

March 7-8, 2008

Best Western—The Inn at Towamencin
(formerly Holiday Inn).
Sumneytown Pike, Kulpsville, Penna.

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

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

Please note, there is an incentive for you to pre-register, as prices are more expensive for those who wait. Registration options are also more flexible than in the past, with new one-day and student registrations. If you wish to participate in the meals, you must register and inform us that you will be attending by Friday morning, March 7th. If you choose not to participate in the meals, the hotel has a restaurant, and there are other restaurants nearby.

Your registration must be received by February 28, 2008 for the best prices; registrations received after that date are priced higher. See the registration form below.

Many things, like the raffle, remain the same:

GRAND PRIZE To be announced

SPECIAL Register early to win a sw portable! One free entry for an early-bird registration received by February 16, 2008.

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

Checks should be made payable to WINTER SWL FEST. Register directly with the hotel for your rooms by calling the Best Western at (215) 368-3800. For 2008, one special rate \$79 single or double! Tell the hotel staff you're with the WINTER SWL FEST to receive this special room rate. *You must make your reservation directly with the hotel to receive this rate; reservations via the Best Western 800 number or web site are not eligible for this rate.* Up to the minute info. can be found on the WINTER SWL FEST Web Page at <http://www.swlfest.com/> or from <http://www.naswa.net/>.

The Best Western—The Inn at Towamencin is located at Exit 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route (I-476)—ask for details. Limo service is available from Phila. Intl Airport directly to the hotel.

Please submit the following form with your registration amount or send for more information to:

SWL WINTERFEST, P.O. Box 4153
Clifton Park, NY 12065

NAME: _____ (SPOUSE'S NAME) _____

ADDRESS: _____

CITY: _____ E-MAIL: _____ (REQ. FOR REG. CONFIRMATION)

CHECK ONE OR MORE

**REGISTRATION RECEIVED BY
FEBRUARY 28, 2008:**

- Full (\$57)
- Three-Day Partial (\$27)
- Two-Day Partial (\$22)
- One-Day Partial (\$14)
- Lunch-only Saturday (\$28)
- Spouse Lunch-only Sat (\$13)
- Full Spouse / etc. (\$42)
- Banquet only (Spouse) (\$19)
- Student (\$10)

**LATE OR ON-SITE REG. RECEIVED
AFTER FEBRUARY 28, 2008:**

- Full (\$65)
- Three-Day Partial (\$30)
- Two-Day Partial (\$25)
- One-Day Partial (\$15)
- One-Day Partial w/Lunch (\$30)
- Full Spouse/son/daughter (\$50)
- Banquet only (Spouse) (\$25)
- Spouse etc. Lunch-only (\$15)
- Student (\$10)

BANQUET:

- Roast Beef
- Chicken

RAFFLE TICKETS:

- raffle tickets, please
(\$1 ea./ 6 for \$5/ 13 for \$10)
- Registration Fee Enclosed \$ _____
- Raffle Tickets Fee Enclosed \$ _____
- Total Check/Money Order \$ _____

Registration is not transferrable; cancellations after February 28, 2008 cannot be refunded, however we will refund raffle ticket money if you have to cancel.

Company Store

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

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

Publications

Shortwave Listening Guidebook by Harry Helms. A beginners guide to shortwave listening covering equipment and more.	\$19.95 +4.60 s/h US +8.00 s/h Can.
Joe Carr's Receiving Antenna Handbook A guide to high performance receiving antennas from longwave to HF and VHF.	\$19.95 +4.60 s/h US +8.00 s/h Can.
Joe Carr's Loop Antenna Handbook Comprehensive but readable guide to understanding and building loop antennas.	\$16.50 +4.60 s/h US +8.00 s/h Can.
Radio Monitoring: the How-to Guide by Skip Arey. Guide for new listeners to MW, HF, VHF and above.	17.95 +4.60 s/h US +8.00 s/h Can.
Passport to Worldband Radio 2008 Great source of information about shortwave stations, frequencies in use and schedules.	\$18.90 +4.60 s/h US +8.00 s/h Can.
World Radio and TV Handbook 2008 Long considered to be the bible for shortwave listeners.	\$26.90 +4.60 s/h US +8.00 s/h Can.
Fine Tuning's Proceedings Reprint Catalogs Complete list of articles from this hobby classic. Choose from 1) 5 page version with article titles or 2) 20 page version with article abstracts.	1)\$2.00 ppd 2)\$5.00 ppd
The World QSL Book Gail Van Horn's new CD-delivered book (PDF format) about all aspects of QSLing.	\$18.00 +3.00 s/h US +6.00 s/h Can.
1947-1958 or 1959-1970 WRTH CD CD compilation of the 1947 to 1958 or the 1959 to 1970 WRTHs.	\$60.00 ppd
WRTH CD Set Both WRTH CDs for a special price	\$99.00 ppd
NASWA Country List and Awards Program Booklet	\$3.00 PP US \$5.50 elsewhere
NASWA T-Shirts Return of a favorite in NASWA blue with the club logo.	\$14.00 S-XL 16.00 XXL +4.60 s/h US +8.00 s/h Can.
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.
NASWA Ball Caps NASWA blue ball cap with velcro closure and NASWA logo embroidered on the front	+8.00 s/h US s/h Can.

Please make all checks payable in U.S. funds to "The NASWA Company Store".



North American Shortwave Association
45 Wildflower Road
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