

The **NASA** Journal

VOLUME XLX NUMBER 1

JANUARY 2010



North American Shortwave Association — America's Shortwave Broadcast Club

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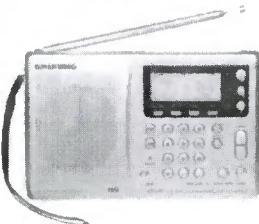
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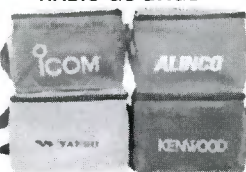
DIAMOND

SP3000W

The Diamond SP series of coax surge protectors offer wideband capability with extremely low loss. They boast an insertion loss of less than 0.3 dB. They have an impulse wave discharge capacity of 6000 Amps. Insulating resistance DC 100 V is over 10,000 M ohms. Both feature a replaceable surge arrester element. The Diamond SP1000 (not shown) is a favorite for HF through 2 meters. The Diamond SP3000W (shown above) is for use to UHF and above and is waterproof. These models can also be used for receive-only applications.

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#5346	SP3000W	0-3000	200	N fem \$39.95

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NASWA Notes

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

Happy New Year everyone. I hope the holiday season was a good one for all our members; it was for me. Time off, presents, and ample DXing opportunities make for an excellent time. January is usually the time of the year when the holiday cheer diminishes as the charge bills arrive and winter weather limits outdoor activities. Nevertheless, the DX opportunities should be excellent so let us get out of the mid-winter doldrums by spinning the shortwave dial for a little excitement.

Now is also the time to begin making plans to attend the club's Winter SWL Festival in beautiful and historic Kulpsville, PA on 5 and 6 March 2010. This will be the 23rd annual Winter SWL Festival. It is hosted by the FESTmeisters, **Rich Cuff** and **John Figliozzi** along with a cast of thousands (okay, maybe 15 to 20 volunteers) ensuring a good time for all that attend. If you have never attended a Winter SWL Festival, what are you waiting for? I look forward to meeting and greeting as many club members as possible during the FEST. Stop by the club table to purchase books, clothes and other hobby items of interest. The registration form can be found elsewhere in the *Journal*.

Congratulations to long time NASWAN **Steve Lare** of Holland, MI who reported around Thanksgiving receiving a QSL from International Radio Serbia for their transmission of 5 May 2009 on 9675 kHz from the site Bijeljina, Bosnia-Herzegovina. It was Steve's 225th NASWA radio country verified. Not an easy achievement these days and certainly one worth recognizing. This was a great DXing achievement that took many years of effort from Steve to achieve. Nice work!

Adventist World Radio (AWR) recently announced the winners for its 2009 "Silent

Station DX Contest." Two club members really distinguished themselves this year. The AWR contest required five areas of information about (1) list of five QSLs from stations now silent; (2) brief description of each QSL; (3) photocopy of each QSL; (4) three reception reports from any AWR transmissions anywhere in the world; and (5) three radio cards of historic importance. The following were the Continental winners: Asia: **Nobuya Kato** - Fijisawa, Japan; Pacific: **Brian Webb** - Upper Hutt, New Zealand; South America: **Leonardo Santiago** - Merida, Venezuela; North America: **William Patalon III** - Fallston, MD USA; and Europe: **Hans Lollike** - Hedehusene, Denmark. Also, **Ed Insinger** of Summit, NJ was listed in the Entire of Merit category. Congratulations to members Bill Patalon as a Continental winner and to Ed Insinger for his Merit achievement. Well done guys! The world winner for 2009 was **Günter Jacob** of Passau in Germany. Günter is a four time winner of the annual AWR contest!

Maybe things are looking up for the New Year. **Ron Hunsicker** sent along information from the Spaceweather people about a Big New Sunspot, sunspot 1035 was nearly invisible but now it is as wide as seven planet Earths. The fast-growing active region burst into view on December 14th with a magnetic polarity that clearly identifies it as a member of new Solar Cycle 24. If the expansion continues, it could soon become the largest sunspot of the year. Check <http://spaceweather.com> for movies, photos and updates.

Members **Dave Reitz** of Wyomissing, PA and **Whitham D. Reeve** of Anchorage, AK caught ye editor's mistake last month in *NASWA Notes*. I indicated "daylight periods get shorter and shorter as we approach the equinox in North America". Both noted I

Our Motto: Unity & Friendship

...have said as we approach the winter solstice on December 21st than an equinox which is March and September. Of course, I knew all this but occasionally toss in a clunker to see if anyone reads my column, hi! The main point I was trying to make is listening opportunities get better as more and more darkness consumes our listening posts. Thanks guys!

The Association for International Broadcasting (AIB) announced the winners of its annual global media excellence awards at an event in London on 4 November 2009. The 2009 AIBs - the international media excellence awards - had guests attending from Ghana, Pakistan, Nigeria, the USA, Finland, France, Germany, the UAE and many other countries. The AIBs recognize creativity and innovation in global broadcasting across TV, radio, cross-media, marketing and technology. The AIBs are unique in broadcasting because of their independence from commercial interests - an independent panel of judges consisting of respected professionals from the broadcasting and wider industries selected the winners among more than 200 entries initially submitted from 26 countries. Categories covered by the AIBs include separate awards for radio and television, in current affairs, coverage of a single news event, creative features, and personality. Here is a summary of the major radio award categories:


- Clearest coverage of a single news event - radio: RFE/RL (Czech Republic) for Special coverage of the Azeri referendum; Highly commended: Voice of America for Coverage of the war in Sri Lanka.
- Most creative specialist genre - radio: Deutsche Welle (Germany) for Family affairs - how to become a political player; Highly commended: Voice of Nigeria (Nigeria) for Kiddies' voices - Africa fit for the child and BBC World Service (UK) for The trouble with money.
- Best creative feature - radio: Tinderbox Productions (UK) for The counterfeiter's tale; Highly commended: Deutsche Welle

(Germany) for On skis to the North Pole and Radio Netherlands Worldwide (Netherlands) for The face of forgiveness.

- Most creative marketing strategy: ABC Radio Australia (Australia) for Pacific break; Highly commended: BBC (UK) for India election train.
- Best current affairs documentary - radio: Tinderbox Productions (UK) for Children of God; Highly commended: ABC (Australia) for Losing Erin and BBC (UK) for Lost voices of Tiananmen.
- Best investigative documentary - radio: Ruth Evans Productions (UK) for The New Scramble for Africa; Highly commended: Radio Romania (Romania) for The Poisonous Water.


Last call: We still no takers for a replacement for long time member **Gerry Kercher** who has been taping the NASWA Journal for any sight impaired members. If you can be the voice that puts The Journal on tape, please consider volunteering to perform this service for visually impaired members. It has been difficult to fill positions of late but Gerry is stepping down due to health considerations, so a replacement editor is necessary to continue to perform this service function. Please help out your fellow members that can not read the print Journal. If you are interested in volunteering, please contact me or Gerry (P. O. Box 168, Quaker Hill, CT 06375-0168) as soon as possible. Thanks!

Please remember to direct all communications about subscriptions, bulletin delivery issues, shoveling snow from the sidewalk ideas, the use of PayPal as a payment method, etc. to **Bill Oliver** at the club's Levittown address or to his new electronic address, billoliver@verizon.net. The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquires sent to Wyoming only slow down the process. Thanks!


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

Calendar Of Events


- Jan 8** *Meeting. Boston Area NASWA Chapter.* The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>
- Jan 9** *Meeting. The Columbus, Ohio NASWA Chapter* will be meeting at Universal Radio in Reynoldsburg at 10:00 AM. Further information is available from Mike Rohde at 614-527-1398 or via e-mail at merohde@columbus.rr.com. The purpose will be to gather other SWL/ DX listening enthusiasts together for informative discussions and sharing of knowledge and information about the hobby.
- Jan 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>
- Jan 18** *Meeting. Tar Heel Scanner/Shortwave Listening Group.* Red, Hot and Blue restaurant, 6615 Falls of the Neuse Rd., Raleigh, NC. Dinner @ 6:30PM, meeting @ 7:30PM. Meetings the 3rd Monday of each month. Info, Curt Phillips, 919-773-4522, <mailto:curt@nerdster.net>
- Jan 22** *Meeting. The Reading Area DXers* will hold another meeting at The Flying Dog in majestic Earlville, PA (Route 562 and Airport Road). Members gather around 5:30 PM near the bar area before heading into the restaurant for dinner and further discussions. Contact Rich D'Angelo (2216 Burkey Drive, Wyomissing, PA 19610; 610-678-0937; rdangelo3@aol.com) for further information about future meetings.
- Feb 27** *Meeting. The Reading International Radio Group* will hold a meeting on Saturday February 27 (moved from original February 6 date) in Room 3, Reading International Solidarity Centre, 35-39 London Street, Reading, England at 2.30 p.m. All are welcome. Contact: Mike Barraclough at mikewb@dircon.co.uk or phone 01462 643899.
- Mar 5-6** *Convention. The 23rd Annual Winter SWL Festival*, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 5 and 6 March 2010. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special Fest event. See you there!
- May 13-14** *Annual Meeting. The 2010 National Association of Shortwave Broadcasters and us DRM Group* will be held in Hamilton, Ontario on 13 and 14 May 2010. It will be hosted by Galcom International. Additional information will be available at a later date.
- Aug 21** *Get Together. The 17th annual Madison - Milwaukee Get Together for DXers and Radio Enthusiasts* will take place on Saturday, August 21, 2010 starting at 1:00 PM until 10:00 PM CDT. This year's venue is in Milwaukee organized by Tim Noonan. This is an informal event to meet and socialize with other radio hobbyist and enthusiasts. Plans include a dinner at a local restaurant about 5:30 PM and returning for the traditional cake and chat. Come when you can, and leave when you must. More information will be available closer to the gathering.

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). 

FRENDX: Twenty-Five Years Ago (January 1985)

The cover featured Juan Carlos Codina of Lima, Peru who was named the International DXer of the Year by the Association of North American Radio Clubs. Dale Park scheduled a Hawaiian Get-Together for January 12, 1985. Steve Lare was selling a Gilfer M-1 Multi-tuner, a Drake Model 2-B receiver and a Yaesu SP-901 speaker. In John Herkimer's Shortwave Center, veteran writer Sam Alcorn wrote about his visit to Grenada to find out Radio Grenada had no immediate plans to return to shortwave. In Bill Cole's Computer Corner column, he writes about "Target File" a menu driven filing system for keeping records of selected radio stations. In Technical Topics, James Herkimer compares the Uniden CR 2021 and the Sony 2001 and Gerry Thomas describes "A Simple High-Pass AF Filter." David Maxfield compiled the SWC Index - 1984. In Pappas on Programming, editor Nick Pappas wrote about the identity crisis within international broadcasting. Glenn Hauser's Listeners Notebook featured a DX Report from Kuala Lumpur from Ralph Perry. Log Report Section A editor Mike Nikolich noted that his Hammarlund HQ-180 is for sale to make room for a new NRD-515. In Log Report Section B Jerry Beg noted that Tananarive was being heard on 5010 kHz and a new Colombian was on 5936 kHz and Bob Hill reported Rebelde now on 5025 kHz. In Log Report Section D, editor Wallace Treibel noted 375 logs were received and 2/3 of them were used with the rest having been reported the previous month .

NASWA Yahoo Group

Join moderator **Dan Ferguson**, the club's Yahoo Group, and other club members to discuss reception of shortwave radio broadcasts, program content, propagation, reception conditions, loggings, hot news and information as well as radio equipment and accessories and any topics related to shortwave radio in general. Please keep in mind that loggings, QSL news, schedule changes should also be reported to the appropriate column editor of the Journal for publication. This forum is a supplement to, not a replacement of, The Journal. Subscribe by going to <http://groups.yahoo.com/group/NASWA/>. Any club members wishing to participate in the NASWA Yahoo Group, moderated by Dan Ferguson (k4voa@zerobeat.org), but not interested in registering direct with Yahoo should contact Dan direct by e-mail for further information. Dan can manually add you to the group. 

NASWA Flashsheet

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

Musings

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

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

Some interesting comments on antennas in the November issue, most likely the thread was taken from the e-mail reflector (NASWA Yahoo Group moderated by Dan Ferguson – RAD). Not having e-mail, I thought I'd add my two cents.

Jay Golden reported a reduction in noise by installing two driven grounds and 50-feet of buried wire, all connected to his shack ground. We also used to live in Rochester, and I had good results with driven grounds while I was there. I attributed it to good soil conductivity, but who knows?

I also have an Alpha-Delta DX Sloper here, but I didn't ground the vertical element. I had a few feet left over and, rather than coil it up at the bottom as the instructions recommended, this is what I did. First, I pulled it taught from the feedpoint and looped it through an egg insulator anchored at the base of the tree. Then, I ran the remaining length of wire (about 5 feet) horizontally under the main element, attached another insulator at the end, and tied this to a driven peg. This seemed to improve the antenna a bit.

Rich Mitchell asked about couplers splitters, and switches. I suppose that the better couplers and splitters are pretty good at preventing interaction, and that well made coaxial switches also have good isolation characteristics. Maybe I'm just paranoid about loss but, for weak signal work, I've always been leery about adding extra stuff between my receiver and the antenna feedline. My one concession to in-line devices is a 6-position antenna switch, and that's for the sake of convenience. More than once though, I've bypassed the switch and connected directly to the receiver, just to see if I could grab an extra microvolt or two. I never did see any real difference, however.

Mark Coady made an interesting comment about using center drilled hockey pucks as weights for tossing an antenna support rope over a tree limb. He says that he adds pucks when working with heavier rope. Wow – a hockey puck is a great idea, Mark! I've always gone into the tool box and grabbed a great big socket to use for a weight, but I bet that I could pitch a hockey puck a lot better.

However, when the weight and length of the antenna rope get heavy, you don't need to add pucks – you can lighten the line. I usually tie my weight to some thin nylon mason's line, toss the weight over the limb, and then use the mason's line to pull the heavier support rope through the tree.

Still, as I get older I find that it's getting harder to hit those really high tree limbs. Someday, I've gotta build myself one of those gizzies consisting of a Wrist-Rocket slingshot with a Zebco fishing reel attached to it. One well-aimed shot with a heavy lead sinker has got to be better than my usual two dozen "heave-and-hope" throws.

In last month's musing about Radio St. Helena I mentioned my dipole was oriented towards the southwest however the 25 meter dipole is oriented toward the southeast, not southwest. You would think that I'd know east from west by now, hi!

Toshi Ohtake <ohtaket@kyp.biglobe.ne.jp>, P. O. Box 44, Kamakura 248-8691, Japan
The first topic is Radio St. Helena Day 2009. On November 14, Radio St. Helena was broadcast on 11092.5kHz on USB mode from 20:00 to 01:00UTC next day, 15th of November. The broadcast beaming to Japan was not received well here, but the broadcast to Europe was in good reception condition of SIO 353.

They played many 1970s and 80s pop music such as songs by Carpenters, Billy Joel, and ABBA. Station announcements in Japanese was heard at 22:15 and 22:50 UTC as "Kochi-rawa Radio St. Helena desu. Tadaima minamitaiseiyouno St. Helena tou kara housou shiteorimasu. Okikino housouwa Radio St. Helena desu," which means "This is Radio St. Helena, broadcasting from St. Helena Island in the South Atlantic Ocean. You're listening to Radio St. Helena." The recording surprised many Japanese listeners (as I intended), and actually this announcement was made by Ms. Tsuji, our member and our DX program narrator for this special broadcast.

The program was audible in Japan until the end of transmission beaming to North America. JSWC is a sponsor of 2009 RSD QSL and envelope to be used by Radio St. Helena.

This is all for this month.

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

Jim Evans <evans.j.w@att.net>, Germantown, TN

New Method to Order Wellbrook Loop Antennas. Wellbrook Communications, the manufacturer of active loop antennas that have consistently received top ratings in PWBR, has redesigned their products page at www.wellbrook.uk.com/antennashop. They have also added PayPal as a secure payment method and are accepting online orders.

I have been interested in Wellbrook products for some time, but didn't want to face the problems inherent in their previous methods of payment (check denominated in Pounds Sterling, telephone call to their London-based dealer, or the unacceptable risk of an unsecured online email order). I'm not a routine user of PayPal, but I decided to try the process. My ALA100M arrived via registered mail 19 days after the order was placed, and all seems to be in order with the transaction.

Initial tests of the ALA100M have been very favorable, especially on 7 MHz and below. The noise reduction on longwave is outstanding. I'll report more after my experiments with various sized wire loops are completed, but I wanted to post this to notify others that a more secure payment method has been added.

Larry Colton <lcolton1@verizon.net>, Florida

I am plagued by extremely noise conditions here in Florida and have considered purchasing one of these loops. Please keep us informed as to the performance of these items, as they are somewhat pricey (not as bad if they eliminate the noise)/ Thanks. Also, thanks for the info on the new pricing policies.

Dexter Ball <ballsaf1@tampabay.rr.com>

What a wonderful man must be Mr. Nawrocki! Committing a minor social solecism he apologizes. Even uses the word 'apologize' rather than 'regret' or some such. Would that others in shortwave thought more about the power of their words to wound their religious readers.

If they don't care for what they hear, they don't of course have to listen. As Stan 'King' Kaiser said to Karl Rojack in My Favorite Year, 'Hey, if you don't like it, don't watch.'

Scott Barbour, Jr. <srbjrswl@yahoo.com>, Intervale, N.H.

The DXing possibilities here in New Hampshire are picking up with the approaching Winter Equinox. Lots of Asian/S. E. Asian carriers across 60 & 41 meter bands, with hints of audio noted here during the predawn hours. Hopefully conditions will improve & the possibilities become reality.

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

For better reception I now use 200 feet of Flexweave wire that I string out along the wooden fence next to where I park at the beach and attach it by alligator clamp to the whip antenna of my Etón E1. The results so far have been impressive, with stronger signals being heard and lower noise.

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

This months meeting. We had our usual attendance of 10 people this month. We did a bit of catching up as I was ill for the November meeting and was not able to attend. Sorry to say that no one here got a clear copy of Radio St. Helena this year. Lots of talk about what is happening on the shortwaves and in the DXing community. Of course a discussion of the Pirates was inevitable as well. I'd like to extent congratulations to NASWA, Columbus member Rob de Santos for getting is Technician and General Ham licenses! I'm happy to say sixteen months into the Columbus chapter that the interests seems strong and we are still having fun!

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

Many complain about Christian evangelists dominating the HF broadcast spectrum, and that's fine—it's a DXers right to complain, hi!

However, I've got a beef as well. Why is it that I can't seem to tune to a major broadcaster anymore without hearing about "climate change" (formerly "Global Warming")?

This nonsense is a total fraud and junk science, and it is designed to reduce the world's population to serfdom, under the despotism of an oligarchy. Yet, the BBC, Deutsche Welle, and other western broadcasters parrot this claptrap like it is Gospel.

I'll take Gospel any day over this garbage. At least God's word is truth.

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

Our first DXpedition of the new DX season featured cool, wet weather which made antenna installation and moving gear into the cabin a messy affair. It rained and sometimes it rained very hard. The ground was saturated and small lakes were forming where you didn't need or want a small lake. Also, I found a new small stream while setting up my antenna which helped make sure I arrived back at the cabin in need of a change of clothes. It was not a good start to a DXpedition.

Fred Kohlbrenner was first to arrive. He was sitting comfortably in the cabin tuning his Drake as I arrived. For some reason, Fred did not offer his services to me so I schlepped my gear myself and set up my antenna while Fred stayed warm and dry. As I arrived back at the cabin, Ed Mauger arrived. My focus was on getting warm and dry so Ed was on his own. Rich Cuff arrived shortly after dark and nobody offered to help him either. It was every man for himself and staying warm and dry was the order of business. Dave Turnick was slated to be our fifth but he was called away on business the last minute so only four filled out cabin #10 this time.

DX from Africa was good. Unfortunately, Latin America was a bust the first night. Ed noticed a nice opening for long wave stations. Rich Cuff found VOA-Iranawila on 7235

kHz with a nice signal. Later Fred noticed a nice opening to India well after 0100 UTC. Highlights included three Indian regional stations; Angola, RRI Makassar, Tigray Revolution blasting in at sign on and Radio Apintie.

I had a bout of insomnia waking around 0230 UTC for a log of Deutschlandfunk on 6190 kHz. It's been quite sometime since I last logged that station. Back to bed but late to rise saw me miss any opportunity for Latin stations. Fred indicated some were in but nothing spectacular. However, Bangladesh, Malaysia, some Indian regional outlets and Saudi Arabia on 15250 kHz in English were some of the highlights of the AM listening session. Indonesia and Papua New Guinea were silent this morning. Fred was first to leave, departing around 1400 UTC reducing the group down to three. The weather was thankfully dry.

The Monday afternoon listening session featured a log of RTE Ireland via Meyerton with its Sunday Forum discussion program. Later RRI Palangkaraya poked through for a log until it faded from the scene. The surprise was the rare Dominican on 5,010 kHz which made an appearance. Just for us? As soon as the Dominican closed down at 2350 UTC, it was time to move the pasta dinner into high gear. As usual, the banquet capped off our DXpedition in fine fashion. For the most part, evening DX was limited although east Africa was once again well represented.

Get away Tuesday morning was one of the worst days I can ever recall for Latin stations. Awful, just awful! Not much else seemed to be interested in propagating either making early packing an attractive option. Rich was the first one out packing up while it was still dark outside. He wasn't the least bit frazzled when I mentioned to him about the one day test from the Voice of Bermuda that he was missing. However, things did improve after Rich departed. Saudi Arabia was a nice surprise in English at 1200 UTC with a fair signal until 1228 sign off. Finally, a PNG poked through the mess with 3385 kHz giving some joy and then 3260 kHz as things closed down for this trip. Another DXpedition to French Creek is planned for early in the New Year.

WORLD OF RADIO SHORTWAVE SCHEDULE

Last Updated: December 26. Days and times here are strictly UT.

Due to necessary production schedule variations, the Wednesday times, at least on shortwave, sometimes carry new show, sometimes previous show.

Wed 1630 WRMI 9955 [usually first airing]
Wed 1930 South Herts Radio 3935 [low power]
Wed 2000 WBCQ 7415 9330-CUSB?
Thu 1300 WRMI 9955
Thu 2000 WBCQ 7415 9330-CUSB?
Fri 0100 WBCQ Area 51 5110-CUSB
Fri 0200 WRMI 9955
Fri 1230 WRMI 9955
Fri 1530 WRMI 9955
Fri 2130 WWCR1 7465
Sat 0900 IPAR/IRRS/NEXUS/IBA 9510-Slovakia [not every week]
Sat 0900 WRMI 9955
Sat 1430 WRMI 9955
Sat 1730 WWCR3 12160
Sat 1900 IPAR/IRRS/NEXUS/IBA 6170-Slovakia
Sat 2000 WRMI 9955
Sun 0330 WWCR3 5070
Sun 0730 WWCR1 3215
Sun 0900 WRMI 9955
Sun 1230 South Herts Radio 5835 [low power]
Sun 1615 WRMI 9955
Sun 2000 WRMI 9955
Tue 1200 WRMI 9955
Tue 1630 WRMI 9955
Tue 2000 WBCQ 7415 9330-CUSB?

Easy Listening

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2010 begins with promising shortwave developments

Radio Prague survives

Late in 2009, there was some worry that **Radio Prague** wouldn't survive the new year, as the Czech government had issued significant mandates across various government agencies to cut spending by 30% in 2010 due to the recession. Radio Prague's shortwave transmissions were earmarked for possible termination as one of the routes toward meeting these budgetary targets. In the end, however, Radio Prague has survived most of these potential cuts. However, its own shortwave transmitter facility, Litomysl, will be shut down, with only relay facilities used for Radio Prague broadcasts.

Exactly what that will mean for us isn't yet clear; a **Radio Prague** visitor who contributed to Glenn Hauser's *World of Radio* and *DX Listening Digest* reported that the current shortwave schedule will remain valid until February 1st. There is plenty of transmitter-hour capacity available from sites capable of serving us in eastern North America; Radio Prague has utilized the Sackville site of Radio Canada International for this purpose in the past couple of years.

Radio Prague has long been one of the most popular stations originating in the former Eastern Europe; its programming tends to be well-produced and cover a variety of interesting subjects relating to the Czech Republic, Czech history, and other developments in Central Europe.

Radio Prague's English language broadcasts on shortwave at 00, 01, 02, and 04 hours UTC tend to propagate well to my part of Eastern Pennsylvania. Radio Prague also has a well-designed website with its programming accessible in multiple ways—live, on-demand by day, on-demand by

topic, and on-demand by program title. Some of Radio Prague's archived on-demand programming dates from the early 1930s—even before regular English language services were launched. Radio Prague airs a weekly segment called *From The Archives* that includes audio from waaaay, way back. Audio for the popular *Letter From Prague* program is available dating back to 2002; it appears all editions of that program are available that far back.

If you haven't done so already, I strongly suggest you send of a note to Radio Prague telling them how grateful you are that they've survived their budget cuts; their postal address is Radio Prague, Vinohradská 12, 120 99 Prague 2, Czech Republic; e-mails can be sent to cr@radio.cz.

Radio Netherlands returns...sort of...

While **Radio Netherlands** doesn't currently target North America with its English language programming via shortwave, a window of opportunity has opened up with WRMI airing a new segment of the World Radio Network schedule on shortwave. WRMI is experimenting with a WRN relay from 0500 to 1000 UTC on Tuesday through Saturday on 9955 kHz; this is in addition to the current 0100–0500 WRN relay. Radio Netherlands airs on the WRN schedule from 0500 to 0600, so this is your chance to hear Radio Netherlands on shortwave if you can hear WRMI where you are. Unfortunately that's not always easy in Eastern PA; some of WRMI's paid Spanish-language programming is jammed, and sometimes the jammers don't shut down when the Spanish language programming ends.

Exactly how long this 0500-1000 relay of WRN will last is not known, but it would be worth your time to send a note to Radio Netherlands at letters@rnw.nl and to WRMI at info@wrmi.net to tell them how much you appreciate their programming.

Winter SWL Fest update

There are just two short months remaining until the 23rd (!?) Winter SWL Fest begins in Kulpsville, PA. To celebrate the occasion, we've launched a new website—still at <http://www.swlfest.com>—courtesy of Ralph Brandi's hard work. Hopefully you'll find the new website to be easy to navigate; it will be much easier for John Figliozzi and I to keep website information up to date using this format. As part of this new website, Ralph helped us create an online registration capability including fee payment via PayPal; this means you won't have to lick a stamp, fill out a form, and mail anything to Clifton Park, NY; instead, a few mouse clicks and a credit / debit card are all you need to register for the Fest.

We already have the forum schedule shaping up, with a diverse mix of forums that include some radio history, some new technologies, and the recent interest—particularly on medium wave—on “ultra-light” radios. We'll post a list of planned forum topics in a few weeks, so check the website for updates.

We'll also raffle off a nice selection of radios again this year, so save some spare funds for raffle tickets!

The good news is that we've held registration fees constant from last year, and the Best Western hotel has also held its room rate constant. So...if you haven't joined us in years past, or were concerned that we'd increase fees beyond your budget, you can relax and plan to join us in early March. Out-of-towners will arrive at the Best Western on March 4th; forum sessions and exhibits will be held on March 5th and 6th.

For those without computer access, or those simply fond of snail mail, you'll find a registration form elsewhere in this month's *Journal*; we look forward to having you join us.

Again, that Fest website: <http://www.swlfest.com>.

BBC World Service seasonal changes

I know this is now a couple of months in arrears, but the BBC has made a few changes in its programming, launching some entirely new series and bringing over some popular series that have aired on the domestic **Radio 4** service.

Americana

I've mentioned this program before—it's a weekly magazine show hosted by Matt Frei, perhaps best known as the host of some of the BBC's TV programming targeting North America. *Americana* bills itself as “...an insider's guide to the people and the stories shaping America today...” I always find the selection of program topics to be interesting—which aspects of life in the USA would be most interesting to a global audience.

If you're listening via shortwave, *Americana* airs to West Africa Mondays at 1032 and Tuesdays at 0232. To East Asia, *Americana* airs Mondays at 0232, 0732, and 1432. The XM BBC World Service stream airs *Americana* Mondays at 1532 and 1932, plus Tuesdays 0032 and 0732.

Americana is also available via podcast and on-demand in the BBC iPlayer; each episode is only available for one week on iPlayer.

Witness

One casualty of the B-09 World Service schedule was the long-running program *Analysis*, which spent nine minutes each weekday focusing on a single news story. Going back a few years, the program was known as *The World Today* and ran 15 minutes in length.

Anyway, this program slot is now taken by *Witness*, described as “...the story of our times told by the people who were there.” Topics covered in *Witness* have included the 1957 Asian Flue, the invention of the video game *Pong*, and the history of “must-have” toys at Christmas. My only beef about the program is that its short nine-minute duration just

scratches the surface of its topic; I'd enjoy the program more if it spend 30 minutes on each topic, as does the Radio National / Radio Australia program *Rear Vision*.

Shortwave listeners catching the West Africa schedule can hear *Witness* weekdays at 1150 and 2250 (2220 Fridays). The East Asia schedule features *Witness* at 0550, 0950, and 2250 weekdays; the 2220 airing is moved to 2250 on Fridays.

Podcasts are also available, as are a week's worth of on-demand editions via the web based iPlayer.

Something Understood

This weekly program looks at ethical and religious topics, taking a spiritual theme and exploring it through music, prose and poetry. Example topics from past editions include Sufism—the mystical tradition within Islam; religious emphasis on rituals and rites of passage, and the spiritual connotations of laughter.

Shortwave listeners focusing on the West Africa schedule can tune in to *Something Understood* Saturdays at 0332, along with Sundays at 0532 and 2332. Listeners who can catch East Asian editions can tune in Saturdays at 1132 and 2132, plus Sundays at 0532.

While podcasts aren't specifically available, each week's program can be heard in the iPlayer on demand.

HARDtalk

This oddly-capitalized program is a staple of the BBC World News TV channel and has now been ported to the World Service as an audio program. Both editions are hosted by Stephen Sackur and run approximately 30 minutes in length. The program interviews world leaders as well as leading newsmakers from a variety of fields; key entertainment personalities such as Woody Allen and Whoopi Goldberg have also graced the program.

The main *HARDtalk* website organizes *HARDtalk* archives by topic, not by date; the World Service audio edition is available for one week within the iPlayer, the usual policy for World Service programming.

The website for *HARDtalk* is <http://news.bbc.co.uk/2/hi/programmes/hardtalk/default.stm>; it's probably easier to go into your favorite search engine and look for *HARDtalk* than to type all that in.

If you enjoy DXing the BBC World Service (sad that this is what it's come to, isn't it?) the West Africa shortwave schedule features *HARDTalk* Tuesdays at 1032 and Wednesdays at 0232; the East Asia shortwave schedule, Tuesdays 0232, 0732 and 1432.

Newshour

No, this isn't a new program, but there's a new wrinkle to the *Newshour* website: the segments ("chapters") of each day's 1400 UTC edition of the program can be individually played, much like the USA's National Public Radio does with *All Things Considered* and *Morning Edition*.

The online archive of the program goes back seven days, so it's worth a regular visit to see if there was something specific that aired that is in a topic you might find interesting.

I have long suggested the BBC make specific segments of *Newshour* available on-demand, because I have long maintained the program has a "shelf life" longer than one day. Just search for *Newshour* from either the World Service website itself or your favorite search ending, and you should get there in one or two clicks.

Chapterization (?) hasn't yet been applied to the other flagship news magazine program, *The World Today*.

RCI launches a new contest...open only to Canadians?

RCI has announced *The Roots Challenge*, a national competition of short films and multimedia publications...but it's open only to Canadians and permanent residents!

This is meant to publicize part of RCI's initiatives surrounding Canada's immigrant community; *Roots* is a website on which RCI invites user input of various types—slide shows, photos, text, video—that relate to the multicultural reality that Canada has become. As you may remember, RCI has changed its focus to a combination of foreign audiences as well as immigrants to Canada, and its *Roots* theme helps to capture the essence of Canada's immigrant community—hence the restriction to Canadians and permanent residents.

I'll admit that the shift away from rebroadcasting CBC programming (*The World At Six, As It Happens*) was, for me, a net loss in terms of RCI programming, but I can easily find those programs—as well as all of CBC's domestic audio output—via its website. RCI is unique in its focus on immigrants; one wonders if the VOA would benefit from this approach, given the size of the USA's immigrant community.

If you happen to hail from North of the Border, check out the *Roots* website at <http://roots.rcinet.ca>.

Otherwise, RCI's English language programming continues to focus on *The Link*, a weekday magazine program hosted by Marc Montgomery, *Maple Leaf Mailbag*, a weekly listener response program hosted by Ian Jones, and *Masala Canada*, a weekly mix of stories, conversations and music with a South Asian flavor, hosted by RCI veteran Wojtek Gwiazda.

RCI's website is <http://www.rcinet.ca>. There you'll find podcast information for *The Link* as well as archived programming for all of RCI's shows.

Wrapping things up...

I apologize for missing recent months of *Easy Listening*; a combination of family responsibilities and work necessitated a shift in focus during that time.

May 2010 bring you good listening on whatever "platform" you choose...and, hopefully, an increase in the number of sunspots so we can flex the knobs on our shortwave radios!

73 DE Richard



Latest edition of this schedule version, plus non-SW outlets, with hotlinks to station sites and audio, is at:

<http://www.worldofradio.com/radioskd.html>

Internet on demand, mp3 and real:

<http://www.worldofradio.com/audiomid.html>

WORLD OF RADIO RSS podcasts, from WORLD RADIO NETWORK:

<http://www.wrn.org/wrn-listeners/customize-panel/addToPlaylist/98/09:00:00UTC/English>

DX LISTENING DIGEST upon which WOR is based:

<http://www.worldofradio.com/dxldmid.html>

Best wishes for 2010, and 73 de Glenn

Shortwave Center

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Happy New Year! Here's hoping 2010 brings you good health, happiness, good fortune, more sunspots and great DX. This month (this year!) we start off with a series of news and notes about shortwave garnered from the latest edition of the NASB Bulletin.

Coming Events

Agenda Announced for 2010 Annual Meeting in Hamilton, Ontario

NASB associate member Galcom International will host the 2010 NASB-DRM USA annual meetings on May 20 and 21 in Hamilton, Ontario, Canada. This will be the first time that the NASB has held an annual meeting in Canada, or anywhere outside the U.S. for that matter. The meetings will be held at the Mohawk College Conference Center and will be open to listeners and broadcasters – anyone interested in shortwave radio.

This year there is a registration fee, unlike recent years. However, it includes some meals and coffee breaks, transportation to the outside venues, and allows us to rent the conference center at Mohawk College, where there will be free wireless Internet service.

Meeting Agenda

On Thursday, May 20, meeting participants will go by bus to Crossroads Communications in the morning to participate in the taping of a syndicated television program and to talk about shortwave radio. A tour of the Crossroads facility will follow. Later, the bus will take everyone to Galcom for a tour of the factory where they build fix-tuned shortwave receivers and other broadcast and receiving equipment. There will be a barbecue lunch at the Galcom factory before returning to the Mohawk College Conference Center for the DRM USA meeting. At 4:30 pm, a bus will take meeting participants on an optional trip to world-famous Niagara Falls, including a private NASB dinner in that city. The bus will then return to Mohawk College.

On Friday, May 21, the NASB annual meeting will officially take place. Talks and presentations will focus on Canadian subjects. Members of the Ontario DX Association will tell about their very successful shortwave/DX club and about their role as QSL coordinator for the Toronto shortwave station CFRX. We have also invited representatives of the Canadian Broadcasting Corporation, Radio Canada International and the CBC Northern Service to give presentations. Lunch will be catered at the Mohawk College Conference Center, and in the afternoon the meeting will continue, including the NASB Business Meeting, which will conclude by 5:00 pm.

NASB to Conduct Shortwave Listener Survey

Some time ago, the NASB obtained a quote from a reputable survey firm for conducting a survey to determine the number of shortwave listeners in North America, and some demographic characteristics of these listeners. As the cost was quite high, we attempted to find other shortwave stations that would be interested in sharing the cost with us. Unfortunately, not even one station offered to share in the cost of the survey, so we abandoned the idea. However, at this year's NASB annual meeting in Nashville, a suggestion was made that we conduct a survey of shortwave listeners through our NASB website, www.shortwave.org. This would not give us a figure as to the number of listeners in North America, but it would give us some valuable demographic information about the shortwave audience, not only in North America, but in other parts of the world as well.

A list of survey questions has been prepared, and a platform for the survey has been chosen. Bill Damick of TWR is coordinating the survey preparation, and it has tentatively been scheduled to go online in March of 2010. The survey will stay online for a period of one year, and final results

will be announced at the 2011 NASB annual meeting. There will be a link to the survey on the NASB website, and we hope that our member organizations and other shortwave-related publications, websites and other entities will also publicize it.

Technical

Increasing the Reach of Shortwave Broadcast Systems

Small-footprint Antenna System with Unlimited Flexibility

from Thomson Radio Broadcast

Shortwave broadcast systems can reach millions of people anywhere, anytime from a single transmission site. The possibilities are theoretically unlimited. On the other hand, shortwave infrastructure is a notorious power consumer and stations require a lot of land to accommodate adequate antenna systems. Thomson's newest rotatable curtain antenna helps broadcasters with limited space and budget to make important power savings while increasing considerably their coverage flexibility. The Thomson HP-RCA 2/2 (High Performance Rotatable Curtain Antenna) is a highly interesting alternative system solution for broadband fixed curtain antenna configurations.

HP-RCA 2/2 services similar coverage areas as the classical LPD (Log Periodic Dipole Antenna) with up to 45% higher efficiency of the radiated power into a defined target area. Additional comparative figures of merit include

- Higher gain (up to 19 dBi, or 3 to 6 dB more than typical LPD)
- Higher front-to-back ratio (6 to 10 dB more than typical LPD)
- Better power capability (up to 500 kW, as compared to the LPD with an absolute maximum of only 250 kW)

In addition, the HP-RCA 2/2 has a better overall efficiency, requires less land, is easier to maintain and affords better reliability with regard to storms and electrostatic effects. The footprint of this powerful and highly flexible system is surprisingly small. With dimensions of 51m x 51m, the foundation surface needs less than 12m x 12m. The covered area has a radius of approximately 50m.

With an overall weight of 80t, the antenna has a maximum survival wind speed of 240 km and a maximum operational wind speed of 120 km. It takes less than 3 minutes for a 180° rotation. Based on a rigid array and a tubular shaft, the HP-RCA 2/2 is a back-to-back arrangement of a low band and a high band curtain antenna equipped with a reflector screen. The 2/2 configuration gives a good radiation pattern performance with moderate structural effort.

Whereas the classical HR 2/2 curtain antenna solution is based on a fix structure with phasing system limited to less than 20° azimuthal slewing with considerable sidelobes, the new rotatable structure with a central shaft has 360° azimuthal performance radiation patterns without sidelobes.

Positive feedback from the EBU/DRM conference

News release from the DRM Consortium

London, 2nd December 2009: DRM digital radio technology received great interest from the 80 delegates present at the DRM Conference organised by the European Broadcasting Union in Geneva. The conference, held on 26th November 2009, was attended by participants from 25 countries (mainly from Europe but also from as far afield as Chile and Australia) who represented all broadcasting stakeholders including regulators, broadcasters, equipment and chipset manufacturers.

The event brought into focus the recent developments in the DRM technology - the standardisation of DRM+ and the publication of DRM Receiver Profiles. This conference highlighted the market potential of the DRM system and evaluated the results from its tests from various locations worldwide. It also allowed a healthy discussion on different business cases and real achievements in getting DRM receivers on the market.

Supported with excellent organisation by the EBU, the Consortium was able to high-

light the achievements and challenges of the DRM technology and present its potential as the global solution for conversion of radio from analogue to digital. DRM Chairperson, Ruxandra Obreja, expressed her satisfaction at the event by saying: "I am delighted that this was an interactive event able to demonstrate the great potential and benefits of DRM. From the feedback received the interesting presentations and discussions have impressed the participants, many of whom want to know more and attend similar events dedicated to the DRM technology."

There were live demonstrations of the technology at the Conference venue. The event also provided a great opportunity for networking and exchanging views on digital radio developments in different parts of the world. To see and hear the presentations made on that day, please visit the EBU website: http://tech.ebu.ch/events/ebu_drm09. The DRM members can access also to all the presentations and view more pictures of the event on the FTP server under /presentations/ EBU-DRM conference.

Shortwave is important for those at sea

from publico.es, via Yimber Gaviria (translated from Spanish)

The radio is often the main companion of Spanish mariners who live and work thousands of miles from their homes. The magic of shortwave and the team of the veteran program "Españoses en la Mar" ("Spaniards at Sea"), which has been on Spanish Foreign Radio for 40 years, has even been able to keep informed those who were kidnapped on the Alakrana [a Spanish ship kidnapped by Somali pirates in the Indian Ocean] about the developments in their case, according to the program's presenter, Paco Arjona, who along with his colleagues has just received

the Miguel Pardo award from the Spanish Maritime Group.

"We use shortwave as our base, which continues to be vital and allows us to be heard on five continents," said Arjona. "We have to adapt to new technologies, but at sea you need shortwave. As for Internet, today it's very difficult to connect from a ship on the high seas. Two months ago a web page that deals with the subject said that it was a great advancement to be able to connect at 128 kilobites. On the high seas, the Internet is only good for sending e-mails with text."

Station News

'Short-wave radio still going strong in Darfur'

Researcher Graham Mytton presents results of Radio Darfur listener survey

From Press Now

Research shows that Darfuri listen en masse to radio broadcasts via the short-wave band.

95% of the population over the age of 15 listen to the radio at least once a week. Over 70% of the people in Darfur listen at least once a week to Radio Dabanga, the Darfuri name for Radio Darfur. Mytton: 'This research shows that short-wave radio is a very powerful medium in Darfur.'

After the state radio Omdurman – which broadcasts the entire day – Radio Darfur is the most popular radio station in terms of listeners. Asked which station people tune into to listen to the news, 39% states Radio Dabanga. Furthermore, it turns out that the questioned Darfuri primarily listen to the radio at times when Radio Dabanga transmits its broadcasts, from 7.30 a.m. to 8.30 a.m. and from 6.30 p.m. to 8.30 p.m.

Graham Mytton, formerly head of Media Research at the BBC and presently working as an independent media researcher, was commissioned by Press Now to conduct research into the listening behaviour of the Darfuri. The survey was held immediately after Ramadan, from September to the end of November 2009. The first results came in three days ago. The survey was held among 1,582 respondents over the age of 18 from all over Darfur, both men and women. The remarkable thing is that men and women listen in equal measure to the radio. 'I have never seen that, nowhere in Africa – it's usually a male affair,' says Mytton, who has led numerous media studies in Africa. 'The preliminary results are very good for Radio Dabanga.'

Graham Mytton presented these provisional survey results yesterday evening in Desmet

Studios, Amsterdam, during the celebration of Radio Darfur's first anniversary.

The data presented by Mytton concerned provisional results that will still be supplemented further. The full research report will be rounded off around 1 January 2010.

Special Program about Shortwave Radio in Africa

On November 20th and 21st, PCJ Media presented a special show looking at Ears To Our World, a US based charity that provides schools and teachers in Africa with radios, including the popular wind-up shortwave receivers that need no batteries or electricity. This special also focused on the important role SW radio plays in Africa. Guests on the program included Thomas Witherpoon, founder of Ears To Our World; Fred Osterman of Universal Radio; Walter Hess of Eton Corp.; David Smith, formerly with Radio Canada International, Radio Netherlands and United Nations Radio; and Soule Issiaka, an expert on the role of radio in Africa and freelancer for Radio Netherlands. The program was broadcast on NASB member station WRMI, and was produced by Keith Perron of PCJ Media in Taiwan, who also produces the Happy Station show on WRMI. More information about Ears to our World is available on their website, www.earstoourworld.org, where the audio file of the special program can be downloaded as well.

Independent commission reports on RNW's performance 2004-2008

From Radio Netherlands Media Network Newsletter, 10 September 2009, via Andy Senitt

An independent commission appointed by the supervisory board of Radio Netherlands Worldwide to look into the performance of the organisation in 2004-2008 published its findings this week. It's the first time that such a commission has carried out an appraisal of RNW's operations. Its findings

were largely positive, though a few specific matters were highlighted as needing close attention.

The commission was positive about RNW's approach to its services in foreign languages. RNW differentiates itself from most other international broadcasters by concentrating on themes such as human rights and press freedom, and on targeting countries that have low ratings in these areas. But the commission warned RNW to be careful not to spread its resources too thinly across a large number of languages, target areas and target groups. The commission says RNW needs to be clearer about how it makes its strategic choices and chooses its priorities. It noted that RNW was in the course of

transforming itself from a radio station to a multimedial and cross-medial organisation, and that shortwave is declining in importance as a delivery platform.

RNW Director-General Jan Hoek is pleased with the generally positive assessment. Mr Hoek said that RNW recognises that shortwave is less important overall than it once was, but stressed that RNW intends to retain a shortwave presence, which can be increased in emergency situations, and furthermore shortwave is still needed to broadcast to target areas identified as being of high importance [for English this means specifically Africa and South Asia] where there are currently no better distribution platforms.

When shortwave radio is better than the Internet

Reprinted from SWLing.com, via Bryne Edwards

From Reuters:

Fiji has been plunged into a political crisis after the president reappointed military chief Frank Bainimarama as interim prime minister on Saturday, less than two days after a court ruled his 2006 coup and subsequent government illegal.

Bainimarama tightened media censorship on Wednesday and continued to refuse to hold elections before 2014.

The Australian Broadcasting Corp. said local technicians had been ordered by the military government to shut down two FM relay stations in the capital Suva and the western sugar town of Nadi.

But ABC said its Radio Australia news program was still broadcasting on shortwave transmitters.

The military government has asked that Fiji reporters only publish "positive" news, or in their terms, "journalism of hope." This

censorship has also pushed Radio New Zealand International out of Fiji.

Other reports have indicated that the government is now trying to restrict internet news sources and blogs. Internet cafe owners are under threat of being shut down, as well.

When people ask whether we need shortwave radio in this internet information age, events like this provide a clear affirmative answer. Once ABC and RNZI were ousted from Fiji, these broadcasters immediately reiterated to Fiji listeners that their programming can be heard all day on shortwave.

And that's the remarkable thing about shortwave—it penetrates borders without regard to who is in power or to restrictions placed upon local media. Even when the internet is crippled. Can shortwave broadcasts be jammed? Sure—but it's not all that easy to do; it's much more difficult than, say, seizing control of a country's internet service provider, or (as in the case of Fiji) of their local broadcasters and stations. Plus, jamming usually targets a specific frequency, so if radio listeners find their

broadcasts jammed on one frequency, there are often literally dozens of ways around the jam—other frequencies often carry the same or similar programming from the same or other international broadcasters.

Much of the decline of shortwave radio is attributed to the end of the Cold War. During the Cold War era, national superpowers were obsessed with piercing borders with their respective messages; since the Cold

War ended, that technology is no longer as driven. But as the Fiji story demonstrates, the need is very much ongoing, perhaps even more so, as small countries try out a variety of political options, often exercising this power along the long and twisting road to democratic governance. Now, shortwave should have a new and broader focus: sending news, music, education and human interest programming to the developing world.

Twenty Years in Shortwave Broadcasting Yesterday and Today

From McFarland and Newell Productions

Reviewed by Richard A. D'Angelo

Well known international broadcaster Ian McFarland has turned out another series of CDs of interest to today's shortwave listeners. The latest product, "Twenty Years in Shortwave Broadcasting – Yesterday and Today" provides an interesting perspective on the recent past, current perspectives as well as the future of shortwave broadcasting. This is the third in a series of CDs about shortwave broadcasting. If you are interested in shortwave broadcastings and the changes that have happened over the last twenty years, this two CD set is what you need.

Before proceeding on to what is contained in the third series, let me briefly remind you about the first two offerings in this series. Series One featured over 100 identification and interval signals from shortwave stations around the world that were part of the award winning SWL Digest program hosted by Ian McFarland on Radio Canada International. The two CD set is filled with nostalgia about the good old days of shortwave listening. Series Two is another two CD set with the first CD featuring The Foreign Language recognition course by DX'er and linguist the late Dr. Richard E. Wood, which contains 55 language samples and analysis. The second CD contains three classic programs hosted and produced by Ian McFarland. I have both

of these earlier endeavors and recommend them highly. By the way, they can still be purchased along with Series Three using the information below.

Twenty Years in Shortwave Broadcasting - Yesterday and Today is a two CD set filled with many familiar voices to shortwave listeners. Hosted by Ian McFarland and with support from audio engineer Colin Newell, the CDs feature Bob Zanotti formerly of Swiss Radio International, Kim Elliott of the Voice of America, Jeff White of WRMI, author John Figliozzi and a cast of listeners from the 20th Anniversary Winter Shortwave Listeners Festival in 2007. Among some of the historical remembrances from listeners was the fall of Saigon, the war in the Falkland Islands, listening to stations from the many islands in the Pacific region, the ability to learn geography and follow world issues, etc.

The first CD opens with words from Ian before hearing words from many shortwave listeners from the Kulpsville gathering 2007. Among those expressing their views about shortwave broadcasting and the changes over the years are Harold Cones, Michael Murray, Kris Field, Alan Johnson, Skip Arey, Mickey Delmage, Nolan Stepheny, Harold Sellers and the late Brian Smith. The next major component of the CD is a re-broadcast of special joint program featuring Ian McFarland, Bob Zanotti and Bob Thomann (The Two Bobs from the Swiss Shortwave Merry-

Go-Round) from SRI studios back in 1989 after an "International Radio Days" conference in West Berlin. The program featured an interesting forum with guest panelists Kim Andrew Elliott, and Professors Don Browne and Drew McDaniel. Closing out the first CD and a major portion of the second CD is a live Skype forum discussion featuring Ian, Bob along with Kim Elliott, Colin Newell and John Figliozzi which covered a full range of topics including changes in international broadcasting the last twenty years, the portability of shortwave radio vs. the Internet and government cutbacks over the last two decades. There is plenty of frank, open discussion about what went right and what went wrong over the years including some difficulties working with new management that didn't understand the old medium. Some interesting and very open conversations took place during the live Skype forum discussion that even questioned the honesty and integrity of some of the major broadcasters as they withdrew from shortwave broadcasting for other media. If you enjoy open, hard hitting discussions about shortwave broadcasting, shortwave broadcasters and value the opinions and thoughts of Messrs. McFarland, Zanotti, Elliott and Figliozzi you will find the CD series thoroughly enjoyable and extremely valuable.

The third CD series closes with Jeff White and Ian McFarland discussing the ability of selling blocks of airtime to shortwave broadcasters to reach audiences through local shortwave operations; local re-transmission of programs. They also discussed past radio

projects, Radio Discovery and Radio Earth, which Jeff has participated in previously. Today WRMI rents airtime to others interested in reaching an international audience. This was followed by more comments from various shortwave listeners with their views about shortwave radio both past and present.

Twenty Years in Shortwave Broadcasting – Yesterday and Today is an extremely valuable collection of thoughts, recollections and opinions about our favorite medium, shortwave radio. Insight into how and why many international shortwave broadcasters moved away from shortwave radio as a communications mode is discussed in depth. The opinions expressed in insightful and provocative. Presenting well over two hours of terrific listening, this two CD series is highly recommended listening.

The new CD series, Twenty Years in Shortwave Broadcasting – Yesterday and Today is available for US\$15.00 in North America and US\$17.00 in the rest of the world. Proceeds from the sales of these CDs go to Ian McFarland's local food bank in Duncan, British Columbia. If you are electronically connected you can go to www.dxe.ca for further details and to place an order. Those of us without electronic capability can order using postal mail by writing to: Ian McFarland, #17 - 3025 Cowichan Lake Road, Duncan, BC, Canada V9L 4B5. If you have an interest in shortwave broadcasting, Twenty Years in Shortwave Broadcasting – Yesterday and Today will give you plenty to think about and enjoy.

EDXC Conference Dublin 2009

by Michael Murray

(Original World DX Club Radio Topics Column, October 2009)

The annual EDXC Conference was held over the weekend of August 28-30 at the Grand Canal Hotel, on the south east side of Dublin, overlooked by the stands of the Lansdowne Road rugby ground.

The opening of the conference took place

with an informal get together with those early arrivals in the hotel bar. As usual, it allowed the participants to meet up with friends not seen since the last EDXC Conference in Finland.

The official opening of the Conference, before some 43 participants, took place on the Saturday morning with an introduction from Councillor Rebecca Moynihan, representing the Mayor and city of Dublin. She gave us a potted history about the city of

Dublin. After this, EDXC Secretary General Tibor Szilagyí gave an up date on the Council membership. The Council now has a total of 12 full members, 4 Observer members - 2 in Germany and 1 each in the United Kingdom and the USA, and 4 individual members - 2 in Finland and 1 each in Sweden and Italy. The Secretary General reported that 27 radio stations, mainly from Europe, had been invited to the conference, but very few replies had been received, which was very disappointing. Greetings were received from member clubs in Germany and Italy, and from Assistant Secretary General Torre Ekblom who was unable to attend. The final introduction was giving by the conference host Edward Dunne of the Irish DX Club, welcoming us all to the conference and the city of Dublin.

The first speaker of the morning was Mike Adams representing the Far East Broadcasting Company and the National Association of Shortwave Broadcasters, who spoke on the subject of Short Wave Disaster Radio and Studio-in-a-Suitcase. An interesting subject which was formed after the earthquake and the subsequent tsunami which struck Banda Aceh in Indonesia a number of years ago. The idea was to get a communicating system into the disaster area within 72 hours of a disaster. How do we do this? The end product finished with two suitcases, which did not exceed the airline weight limits, carrying a studio in one case and the station i.e. transmitter in the other suitcase. Now there are five kits left in various parts of Asia and India, with more to come. Staff are recruited in the local area, so that following a disaster in their area they are ready to go and put an FM transmitter on the air. In addition many wind-up radios have been left in the poorer areas of the world.

Our second speaker, Simon Maher, spoke about New Broadcasting Technologies, DAB, DRM, Networking of Content, and Carriage via DTT. Simon, who is the General Manager of Phantom Radio FM in Dublin, gave an overview of the FM and AM radio scene in Dublin. He then went on to describe the digital change over of radio and television in Ireland. Like in the UK the change over in the television area is going very quickly,

while the radio change over is much slower. The local DAB tests have finished, but there is very little interest in continuing with the experiment and it is expected that Ireland will continue with analogue FM transmissions.

Jonathan Murphy, a World DX Club member, then took the podium to talk about Broadcasting to the World - The Role of the Media in the Baltic States during their struggle for independence from the USSR. Jonathan covered the period from January 1991 to August 1991, when the Baltic States of Estonia, Latvia and Lithuania gave up Russian control and decided on an independent approach to government. For a number of us who took the Baltic trip following the 2008 EDXC Conference, it brought back, not only memories of the trip, but of the information giving to us especially in Lithuania about the struggles around the television tower in that country.

The final named speaker of the morning Andrew Janitschek brought the audience up to date with the current position of Radio Free Asia. He told us about the ways the station keeps in touch with its listeners, who are in regions of Asia where freedom of speech is sometimes hard to find. The station covered the Beijing Olympics and produced a programme, which included local comments. The station continues to suffer from jamming, and is now using satellites to further the dissemination of its programmes.

Just before we broke for lunch, the representative from the Voice of Turkey TRT, Dr Ufuk Gecim again, as at the 2008 Conference, offered for the station as host of the 2010 EDXC Conference in Ankara, Turkey in the latter part of the year. Dr Gecim joined the German Service in 1986 and became Editor in Chief of the service in 2006. She is the Editor of both the German DX and the Letterbox programmes.

After lunch the majority of the participants took a guided sightseeing tour of Dublin, before continuing on to visit the Ye Olde Hurdy Gurdy Museum of Vintage Radio in nearby Howth. This will be subject to a separate article.

The Conference was extended to a second morning so that the current situation of the Council could be discussed.

Risto Vahakianu, from the Finnish DX Association, spoke about the current situation regarding DX Clubs around the world. The first club was formed in 1929 in New Zealand and covered all aspects of the hobby and was quickly followed by the National Radio Club in the USA, which specialises in AM radio. Many countries around the world have a DX club of sorts, be it a club with many members and printed bulletin to a club, which has just a web page. The EDXC Club Meeting then followed with representatives from the Danish SW Club International, British DX Club, St Petersburg DX Club, Irish DX Club, Swedish DX Federation, Finnish DX Association and Hungarian DX Club. The Assistant Secretary General has resigned,

due to family reasons, and will be replaced by Mr Ingvar Kohlstrom from Stockholm.

After a coffee break, Jukka Kotovirta, from the Finnish DX Association gave a slide presentation of the 2009 FM season. He showed with weather diagrams how long distance FM reception is obtained, and what you should look out for when trying for this type of reception.

The final speaker was Arto Mujunen of the IBB. Arto talked about the HFCC Conference held recently in the Dominican Republic. He also said that DRM receivers might soon come onto the market with India and China leading the way.

The Conference concluded with some final remarks from Secretary General Tibor Szilagyai and host Edward Dunne of the Irish DX Club.

Radio Nepal

Excerpts from an article written by Krishna Chandra Paudel

Deputy Director, Regional Broadcasting Centre, Pokhara

Published in "Jhankar" Bi-annual newsletter of Radio Nepal

Via Alokesh Gupta, New Delhi, India, DSWCI DX Window

It is already proven that the Radio Broadcasting is only one effective mass media, which reaches to people instantly. Because of such difficult terrain of Nepal, Satellite Radio Broadcasting is only the means of media to educate, aware and entertains the People. Today we are in the verge of a revolution in radio broadcasting since digital Radio Broadcasting is just around the corner. This new Digital Broadcasting Service will ultimately replace the current AM and FM radio services that have filled the airwaves since the 1920's for AM and the 60's for FM. But this will not replace in

short time, a lot of work has to take place in terms of technology development. Thus this satellite communication is to establish multi-channel radio broadcast network for terrestrial broadcast the means of Studio to transmitter link now later on it has aimed to establish direct satellite broadcast.

The regional station as well as the fill in station of R Nepal spread throughout the country are required to relay corresponding programs and news services which originated at the central studio i.e. Kathmandu. Thus to establish studio to transmitter link using satellite communication without any degradation of signal quality. This information includes the over view of system requirement for multi-channel digital Radio Broadcasting for R Nepal to rebroadcast by the relay station in their belonging regional language from the central studio i.e. Singhadarbar. As well as this is very much easy way to reduce the number of staff in the regional station as well as the effective means of media since aired in their own local language.

A brief History and Current Infrastructure of Radio Broadcast in R Nepal:

The history of Radio Broadcast with the establishment of R Nepal on 1st April 1951 with 250Watt transmitter. Initially transmission was about 4.5 hours per day. Over the 43 years transmission R Nepal has strength its capacity technically as well as diversified itself in terms of programmed format. It is proved that radio broadcasting is the cheapest and quickest means of mass communication in Nepal and also has proved to be a very effective medium in disseminating information, educating and entertaining the people.

Radio Nepal air's programs on AM - Short Wave and Medium Wave as well as on FM fill in stations where its signal is low. R Nepal transmits 18 hours everyday, which includes 2.15 hours of regional broadcasts 09.45 to 11.00 o'clock in the morning and 16:00 to 18:00 o'clock in the evening. R Nepal broadcast news and other awareness oriented programs in 20 different languages.

Radio Nepal transmits on MW frequency from each regional station (648 kHz (ER),

792 and 1143 kHz (MR), 684 kHz (WR), 576 kHz (MWR), 810 kHz (FWR)) and on SW (5005 kHz) from Lalitpur to cover whole nation and neighbouring country.

Current coverage area of Radio Nepal is about 85% of total population and 70% of land approximately.

After the restoration of democracy on 1990, government policy has opened the license for low power FM community as well as commercial transmission. And currently it is about more than 200 FM stations.

Radio Nepal has to broadcast via satellite six different programs, five for regional stations and one for national broadcasting station. The regional stations as well as corresponding fill in stations receive their corresponding programs and rebroadcast it.

All the Regional Broadcasting Stations as well as their satellite FM fill in stations receives their corresponding programs from the central Studio Singhadarbar, Kathmandu.

Regional Radio Stations:

No.	Location	Freq.(kHz)	Mode	Power Main/ Standby	On Air	Region
1	Lalitpur*	5005/3232	SW	100 kW/100 kW	18 hr.	Central * SW for National coverage
2	Kathmandu	792	MW	100 kW/10 kW	18 hr.	Central
3	Kathmandu	100 MHz	FM	1 kW/300 W	18 hr.	Central
4	Dharan	648	MW	100 kW/10 kW	18 hr.	Eastern
5	Bardibas	1143	MW	10 kW	18 hr.	Eastern
6	Pokhara	684	MW	100 kW/10 kW	18 hr.	Western
7	Surhket	576	MW	100 kW/10 kW	18 hr.	Mid Western
8	Dipayal	810	MW	100 kW/10 kW	18 hr.	Far Western...

Solar Cycle 24

11 June 2009

CQ magazine's Propagation Editor is challenging the accuracy of the newest predictions on Solar Cycle 24.

The revised prediction, issued in late May by a panel of solar experts, suggests a weak sunspot cycle with a peak in 2013. But CQ Propagation Editor Tomas Hood, NW7US, is asking "How Credible Are These 'Experts'?"

In an online commentary posted on the CQ magazine website, Hood notes that this same group of so-called "experts" has issued multiple predictions for this cycle already, all of which they now say are wrong, and asks why we should believe they're right this time.

"How much credibility should we grant to the panel of solar researchers and scientists that again releases a speculative prediction of the new Solar Cycle?" Hood asks, noting that NASA's lead representative on the panel says "it turns out that none of our models were totally correct."

Hood points out that, while the Sun itself is millions of years old, scientists have been tracking solar activity for just a few

hundred years. "In my view," he says, "it is pretty arrogant to postulate that mankind has any real understanding and handle on what the Sun might do next."

"No one can postulate with any credibility just how intense the new cycle will be, because there's no direct correlation between this solar minimum and any regular pattern of past minimums," Hood notes, adding, "If none of the models are totally correct, how are they making this current prediction with such dismal expectations? I'm not holding my breath in favor of supporting any of the predictions at this point."

He also points out that there are already signs of "an awakening Solar Cycle 24," and encourages hams to "enjoy the unique propagation opportunities currently presenting themselves during this quiet phase," and to "prepare now for whatever the sun will do by honing your radio skills."

The complete text of Hood's commentary is on the CQ website <http://www.cq-amateur-radio.com/> and may be accessed by clicking the "online commentary" link on the lefthand side of the home page.

"The Radio Wave" Keeping Radio People in Touch

6 June 2009

Issue #82

Ian MacRae, Editor, radiowave@allaboutradio.net

The man who invented the wind-up radio, Trevor Baylis, is to be presented with an Honorary Doctorate by the U.K's Northampton University.

The former stuntman will be among five people honoured by the University.

Trevor Baylis came to prominence for inventing the Freeplay Wind-up radio in the early 1990s.

A company was set up in Cape Town employing disabled workers to manufacture the radio and, in 1996, the invention went on to win a BBC Design Award.

Listener's Notebook

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

Happy New Year! Welcome to the first edition of Listeners Notebook for 2010, as I continue in my *temporary* role as editor of LN. If you enjoy the column and would like to see it continue please consider volunteering to be its next editor. If you are interested in editing Listeners Notebook please contact our Managing Editor Harold Cones <hcones@cnu.edu>. Meanwhile, please continue to send me schedules and other relevant contributions for inclusion in LN. Thanks!

Times are UTC and frequencies in kHz.

ALBANIA Frequency change of *Radio Tirana* from Nov 19.

Albanian to NoAm Daily

0000-0130 NF 6130, x6110 to avoid RHC in Spanish

English to NoAm Tue-Sun

0130-0145 NF 6130, x7425
0245-0300 NF 6130, x7425

English to U.K. Mon-Sat

2100-2130 NF 7430, x7520 to avoid R. Farda in Farsi

Italian to Italy Mon-Sat

2001-2030 NF 6000, x6155 to avoid R. Belarus German

(R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews Nov 23)

ARGENTINA 5415U *R. Continental*, BA, 2044. Victor Hugo Morales with play by play soccer match Boca vs. San Lorenzo. QRK 4. (Nov 29, Horacio A. Nigro - Uruguay via DXplorer)

ARMED FORCES NETWORK Shortwave service is provided by the Navy as an option for their ships without the Navy's Direct-to-Sailor (DTS) capability. Shortwave also serves as a backup to those customers with DTS. Shortwave service is also an option for land-based listeners in remote locations that do not have access to local or satellite-delivered AFRTS full Satellite Network (SATNET) services. Shortwave services are intended to operate 24/7 but do experience disruptions due to maintenance and atmospheric conditions. Current operational locations and frequencies (all in usb) follow:

Diego Garcia	12,759 (day)	4,319 (night)
Guam	13,362 (day)	5,765 (night)
Key West,	12,133.5, 7812.5 and	5,446.5
Florida	(day and night)	
Pearl Harbor,	10,320 (day)	6,350 (night)
Hawaii		

(AFN Website)

10320-USB, **AFN** has been missing for about a month now (checks made daily around 1330-1430), ever since Glenn (Hauser - RAD) first observed their absence. In October they changed to a new music format, different from the usual talk/news/etc format on all the other AFN SW stations. In early November they switched back to the usual talk/news/etc format and shortly after that they completely ended their broadcasting (Ron Howard, Asilomar Beach, CA, Dec 18 via NASWA Yahoo Group)

ARMENIA 4810.00, *Armenian Public R*, Yerevan, 1857-1905, Nov 28, first relay from the Home Service of an interview in Armenian, 1859 IS, National Anthem and ID in Arabic: "Yerevan", then full ID, frequency and website, news about Belarus, QRM from occasional Russian utility calls, 34333. (Petersen via DX Window)

ASCENSION ISLAND Unless the Ministry of Defence (MoD) pays millions of pounds in unpaid taxes for its RAF airbase, Ascension Island will be bankrupt by June. The only school will have to close, the hospital will have no doctors, the few shops, one hotel and fledgling tourist trade will be unviable. Even the conservation programme will have to be abandoned.

The threat comes because the MoD is determined to cut costs to pay for Afghanistan. Its refusal to pay back-taxes on the airbase that Britain shares with the US has left Ascension with a £900,000 deficit on its £6 million budget.

The row pits the MoD against the Foreign and Commonwealth Office, which has a keen interest in Ascension's viability, not only because of international obligations to protect the island's ecology, but also because Ascension houses a key listening post for GCHQ, Britain's electronic intelligence service. It also has one of the world's most powerful relay stations, broadcasting BBC programmes in dozens of languages across Africa and Latin America.

The BBC World Service depends on Ascension, and the 50 specialist engineers who maintain the power station and vast array of transmitters, antennas and satellite dishes would leave overnight if they were forced to send their families off the island. Without the BBC relay there would be no power generation or desalination plant. There would be no water for anyone on the island except the Americans, who operate their own power and desalination plants. The quarrel stems from the establishment of a proper administration in 2002 to replace the ad hoc services reluctantly provided by the BBC and other users of the island. It is also the result of Britain's decision to keep Ascension a closed island, inaccessible without a permit and with no right of abode for those working there. The reason is that Ascension is one vast listening station, packed with radar, antennas and military intelligence personnel. The Americans, who own the two-mile runway have no interest in outsiders prying into their affairs. (The Times, October 22 via World DX Club DX News)

The issue is now being raised in Parliament and the House of Lords. On November 12 Baroness Taylor of Bolton said in response to a written question: The decision by the Ascension Island Government to remove a variation in the Ministry of Defence's annual property tax liability, which had the effect of almost doubling the tax payable, is still in dispute. Discussions are still ongoing to resolve the issue and we await the outcome of the HMRC-led study, supported by the Foreign and Commonwealth Office, into tax arrangements on Ascension Island.

On the same day Baroness Kinnock of Holyhead said: In line with government policy on the overseas territories, it is not envisaged that Ascension Island will receive budgetary support or grant aid but that it should remain self-financing- that is, with costs met by those using the island.

The Ascension Island newspaper reports that the Ascension Island government commissioned the tax expert from HM Revenue and Customs to advise them, he visited the island last month. They are now in the process of issuing redundancy notices to some Government employees. (Mike Barraclough via World DX Club DX News)

AUSTRALIA 2368.5 R. Symban, Marrickville. Steady loud noise but gd strong signal for Gk style mx px 1115 on 12/11 (Hellyer). Test transmission 11/11, 80 watts got the call at 07.40 to spread the

word. Good level in Peakhurst, went through to 12/11 to 2300 With the test broadcast of just Greek mx (Wright). Strong 0900 w/usual GK mx, thanks to Johnno tip. Subsequently received Australian native birds QSL, which also featured an upright and pulchritudinous species. If you catch one, however, it will likely keep you in a cage! 11/11 (Seager via ARDXC) 2368.5, Radio Symban on air Greek music, report to my self dxe@fl.net.au; 400 watts... (Johnno Wright-Australia via ARDXC Yahoo Group) 2368.5, Radio Symban. Dec 4 only heard an open carrier; below threshold level during checks from 1258 to 1515. Unable to even tell if there was any music being played. Frankly they had better reception back in July with only 50W, than today. Overall propagation today was very good. Earlier today I listened to a recording made by Bruce Churchill via a Brisbane receiver of Global Tuners and they had very good reception there, so I had hoped for better results than I had. Perhaps as they continue to increase the power I will be able to hear some audio from them again (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

2368.5 12/4 **R. Symban** hrd at S4-5 lvl from Global Tuner site in Brisbane from 0815 tune w/ Greek music and call-in requests to a man ann. Pgm was in Greek. The reported increase in power was from 80 to 400 watts but on 12/4 they were still at 200 watts per Tom Tsamouras, one of the station DJs in an e-mail QSL this date. They plan to gradually increase power to 1 KW as various technical issues are worked out. Thanks to Don Jensen, John Wright (Australian DXer) and ARDXC for supplying the original "on-the-air" heads-up (Don) back on Nov 12 and details on power increase and testing (John/ARDXC). Returned at 1710 this date from GT site in Woodridge (Brisbane metro area) and R Symban was a bit weaker w/ more static but still nearly armchair lvl. (Bruce Churchill-CA) Radio Symban: Global tuner is great to workout station skeds, whether on the air or not as an aid to real dxing. Please can you confirm their latest sked? I need to give it a hard try, power of 400 watts is too low on the 120m.b with lots of electrical noise and static here, near the equator. But a dxer never gives up. My openings will be after 1230 UTC till Aussie dawn. I hear all 3 Northern Territories Stations of course at fair to weak level 3210, 2485..sure 50kW!!!. (Victor A. Goonetilleke-Sri Lanka) Last I heard it was 24 hour but maybe best to check w/ John Wright in Australia (dxe@fl.net.au) as he likely is most up to speed on what the station is doing these days. (Churchill-CA)

Dave Valko received email from Radio Symbans Tom Tsamouras Dec 4 saying they are currently testing on 2368 kHz. with a power of less than 200 watts. So maybe a tough catch here in U.S. www.radiosymban.com.au. (Larry Yamron, Pittsburgh, PA via DXplorer)

Just received a letter from George of **CVC Australia** stating that currently they are both on SW and online, however in the first quarter of next year CVC will become exclusively online media with live web streaming. from that I understand that SW broadcasts from Australia will be discontinued. (Thomas Drescher-D, wwdxc BC-DX TopNews Nov 27 via ARDXC)

AZERBAIJAN/ARMENIA 9677.3v at 0617-0637* UT. *R. Nagorny Karabakh*, Stepanakert, Dec 12, Armenian, YL talks with mentions of "Karabakh Respublika" and one "Space" music theme, short OM report in Russian, then OM talk - fair - good with usual distorted audio. (Mikhail Timofeyev-RUS, DXplorer Dec 13) "Ädälän Säsi Radiosi" see page 88 in WRTH 2010 under "Mountainous Karabagh". http://en.wikipedia.org/wiki/Nagorno-Karabakh_Republic and <http://en.wikipedia.org/wiki/Nagorno-Karabakh>. Service rather in Azeri to AZERBAIJAN mainland "... an Azeri-language radio station intended to let Azeris know what they are thinking." (wb via WWDXC TopNews)

BANGLADESH 4750, *Bangladesh Betar*, Dhaka, 1200-1400*, Nov 19, s/on 1130? Bangla, 444. (Goonetilleke). On Nov 17 still heard at 1615-1620, 25332. (Mille via DSWCI DX Window)

Bangladesh Betar, the largest electronic medium of the country started its journey on the Dec 16 1939, 70 years ago. As a public service broadcasting organization, it has been playing a leading role in the nation building process over the decades. Since its inception, promotion of national culture and heritage has been prioritized in the activities of Bangladesh Betar in home and abroad. Being the oldest electronic medium of the country, Bangladesh Betar has proved its effectiveness by promoting and preserving the rich diversified regional and national cultures through its programmes. Bangladesh inherits a rich vibrant culture.

Bangladesh Betar broadcasts news and programmes incorporating various ethnic groups of the country aimed at upholding

their history, tradition and cultural identities and inspires them in patriotism. It has been playing an important role in improving the socio-economic condition of the masses and upholding the arts and culture of the country. Bangladesh Betar has the unique distinction of having been associated with the liberation of the country from Pakistan occupation army while it put on air the historical proclamation of the Independence of Bangladesh on March 26, 1971. For its great contribution to the nation the Government of the Peoples Republic of Bangladesh conferred the most prestigious national prize the independence Award 2006 to Bangladesh Betar. It also gained Commonwealth Broadcasting Association Award (CBA) in 2006 and Asia Pacific Broadcasting (ABU) prizes for several times.

Bangladesh Betar broadcasts programmes of over 251 hours daily through its 12 regional stations and 6 units. In order to project the country's image abroad Bangladesh Betar is trying to attract its listeners in foreign countries. The External Services of Bangladesh Betar has now been broadcasting English, Bangla, Urdu, Hindi, Nepali and Arabic services and the duration of broadcast is 5 hours and 30 minutes a day depicting cultural heritage of the country.

Bangladesh Betar is going to celebrate its 70th founding anniversary on Dec 16, 2009. In this regard different programmes have been taken up to celebrate the event. One documentary programme has already been on air titled "Betar Katha" on every Friday at 4.05 pm in the national hook-up. The drama section has been broadcasting a special programme on evolution and transformation of Dhaka Betar Theater entitled "Sottor Bochor Bibortoner Dharai Dhaka Betar Natok". It is being aired every Monday at 1030 pm from Bangladesh Betar, Dhaka in MW 1000 kW of operating frequency 693 KHz. Moreover 12 stations and 6 units of Bangladesh Betar have chalked out special programme planning of or broadcasting different types of programs based on the past glorious history of Bangladesh Betar. (Bangladesh Betar via Gupta/DSWCI DX Window)

BELARUS 6070, *Belaruskaje Radyjo 1*, Brest, 0725-0745, Dec 05, Belarusian talks, jingles, 22332 heard // 6010 and 6040. New morning transmission. (Petersen via DX Window)

BELGIUM RTBF International confirms dropping shortwave December 21st, 2009 by Andy Sennitt. RTBF International has confirmed that its shortwave transmissions [currently on 9970] will cease as of 2215 on 31 December. Transmissions will continue on the mediumwave transmitter in Belgium on 621, on FM 99.2 in Kinshasa, and via the AB3 satellite in Africa. It's not clear if the station will continue to use the Hotbird satellite in Europe, as the website only says that listeners in Europe can listen via the Internet, either streaming or on demand. (Source: RTBF website via Media Network via DXplorer)

BHUTAN 6035, BBS, Thimpu is operating and appears to be *0030 sign on (not confirmed) and sign off 1500*. I hear the station best at 0100 past fadeout 0200 with very distinct Dongza format and language. I am sure this is the old transmitter or the 50kW at much reduced power. Keeping in mind that this is already December, going by previous years signal should be very strong, if it is 50kW. Also hear it around 1000 till about 1100 when it is swamped by adjacent stations, which again indicates much less than 50kW. (Goonetilleke via DX Window)

BOLIVIA 4409.8 R. Eco, Reyes, 2328-2336, 28 Nov, Castilian, chatter, Indian tunes; 34342, adj. uty. QRM.

4451.2 **R. Sta Ana**, Sta Ana del Yacuma, 2330-2339, 28 Nov, Castilian, talks, music; 23341, adj. uty. QRM.

4796.5 **R. Lipez**, Uyuni, 2332-2345, 28 Nov, Castilian, ballads; 24341, adj. uty. QRM.

4865, **R. Logos**, Sta Cruz de la Sierra, 2214-2227, 27 Nov, Castilian, soft tunes, rlg. propag.; 44332, unusually strong, QRM de B. (All above from Carlos Goncalves-POR, wwdxc BC-DX TopNews)

BRAZIL 2379.9, R Educadora, Limeira, SP (tentative), 2355-0010, Nov 16/17, difficult to tell.... also noted 0930, Nov 17. (Wilkner)

3375.34, **R Municipal**, São Gabriel da Cachoeira, AM, 0000-0005, Nov 17, Portuguese. (Wilkner)

4805, **R Difusora do Amazonas**, Manaus, AM, 2235-0006, Nov 17 and 19, Portuguese talks, 23332. (Mille and Wilkner)

4885, **R Clube do Pará**, Belém, PA, 2038-2240, Nov 11, Portuguese talk with

mention of Jesus Christ and Bible with short musical pauses, tentative ID at 2100 as " kHz, Belém ... Brazil ", football, 34343, RTTY on 4884. (Mille and Timofeyev)

4985, **R Brasil Central**, Goiania, GO, 2355-0005, Nov 16/17, "Very Strong" signal tonight and last few nights. (Wilkner)

5035, **R Aparecida**, Aparecida, SP (tent.), 0421-0545, Nov 07 and 08, Brazilian songs, weak under local noise. (Timofeyev)

5045.00, **R Cultura do Pará**, Belém, PA, 2252-0245 and 0815-0825, Nov 17, 19, 21 and 23, Portuguese ann, Brazilian Rap songs, jazz songs, ID: "Cultura FM", 35333. (Bernardini, Cody, Mille and Petersen)

6185, **R Nacional da Amazonia**, Brasilia, DF, 0635-0645, Nov 08, Portuguese short ann, Brazilian guitar songs, fair-almost good with splashes from 6190 (DLF). (Timofeyev)

9629.9, **R Aparecida**, Aparecida, SP, 2219-2224, Nov 09, Portuguese talks, weak-poor with deep fading and local noise. (Timofeyev)

11735, **R Transmundial**, Santa Maria, RS, 1018-1023, Nov 14, religious talks in Portuguese, 24322. (Méndez)

11780, **R Nacional da Amazonia**, Brasilia, DF, 0950-1010, Nov 22, Portuguese talks, news and comments, 24322. (Méndez)

11815, **R Brasil Central**, Goiania, GO, 0832-1033, Nov 14, Portuguese talks, Brazilian songs, 24322. (Méndez, Timofeyev)

11915, **R Gaúcha**, Porto Alegre, RS, 1033-1037, Nov 14, Portuguese talk, 25222. (Méndez) [All above from DSWCI DX Window]

6070 **R. Capital**, Rio de Janeiro RJ, 2343-2353, 28 Nov, IPDA religious propaganda announcing priest David Miranda & Super R. Deus e Amor prgrs; 34432, adj. QRM.

6080 **R. Novas de Paz**, Curitiba PR, 2347-2354, 28 Nov, announcements for Assembleia de Deus meetings on Sunday, 29th; 34433.

9629.94 **R. Aparecida**, Aparecida SP, 2150-2212, 26 Nov, A Voz do Brasil end of part 2, PMDB [political party] prgr. that was also aired on several other stns; 55444.

9694.94 **R. Rio Mar**, Manaus AM, 1207-1229, 29 Nov, mass, songs; 33431, deteriorating & adj. QRM de Nigeria on 9690.

11734.95 **R. Transmundial**, 1846-1902*, 28 Nov, rlg. pops, propag. Prgr Sons do Coracao; 45444..

11895 **R. Boa Vontade**, Pto Alegre RS, 1921-1934, 28 Nov, preacher; 10 kW?! More likely just 1 kW; 15421, adj. ARM 1930. (All above from Carlos Goncalves-POR, wwdxc BC-DX TopNews)

5940, **Voz Missionaria**, Camboriú, Santa Catarina, heard overnight on Dec 07, with religious preacher and call-in. QRK 3-4. (Nigro via DXplorer). New broadcaster on this frequency? (Ed - DX Window)

5970, **R Itatiaia**, Belo Horizonte. MG, 2345, Dec 03, ID jingle, comedy programme in Portuguese. Strongest Brazilian on 49mb. (Bell via DX Window)

6000, **R Guaíba**, Porto Alegre, RS, 0014, Dec 04, "Guaiba" IDs, pips on the quarter hour, good signal, peaking. (Bell via DX Window)

11735, **R Transmundial**, Santa Maria, RS, 1020-1035, Dec 06, religious comments, 24432. Also heard at 1344-1349, Dec 06, Portuguese religious talk and ID: "Radio Transmundial", news, 24322. (Méndez via DX Window)

BULGARIA Latest schedule for **Radio Bulgaria's** English broadcasts direct from station:

To Europe
0730-0800 5900, 7400
1830-1900 6200, 7400, 9700 (DRM)
2200-2300 6200, 7400

To North America
0000-0100 5900, 7400
0300-0400 5900, 7400

Reception reports can be sent to Radio Bulgaria, 4 Dragan Tsankov Blvd., 1040 Sofia, Bulgaria or e-mail: radiobulgaria@bnr.bg or english@bnr.bg.

BURKINA FASO 5030, **R Dif. du Burkina**, Ouagadougou, 2104-2400v*, Nov 12, 13, 18, 19, 21 and 22, French and vernacular talks, local song, phone-in programme and Afropop, vocal rendition of National Anthem and Balafon IS at 2358, fighting with CNR-1 until it signs off at 2300*, 43433, then 45434. (Bernardini, Mille and Petersen/DSWCI DX Window). Also heard at *0529-0735, Nov 21 and 22, sign on with vocal National Anthem at 0529. (Test tone at 0520-0529). Opening French ann at 0530. Local African tribal music at 0531. Fair to good signal. Much stronger than usual,

34433. (Méndez and Petersen/DSWCO DX Window)

RTV Burkina noted back on 5030 from around 1730, local music and French talk, co-channel interference later in the evening. (Edwin Southwell via World DX Club DX News)

CHILE Voz Cristiana schedule in Spanish is now 1100-2200 on 9635, 1200-0100 on 17680 and 2200-0100 on 9745. (Wolfgang Bueschel via World DX Club DX News)

CHINA 4940, **Voice of Taiwan Strait**, 1500-1530, Nov 29. "This is the Voice of Taiwan Strait"; program on Sunday only, "Focus on China"; news item about the Chinese pop star Zang Tianshuo being sentenced on Friday by the Beijing Municipal No. 2 Intermediate People's Court to six years in jail for inciting a group to violence, which resulted in a street battle that left one person dead and three injured; pandas "Wang Wang" and "Funi" were flown to Australia (Adelaide Airport); promo for China ("Have you ever been to China?"); etc.; light AIR QRM (Ron Howard via NASWA Yahoo Group)

QSL **Beibu Bay Radio** Nanning 5050 kHz bestaetigte meinen Empfangsbericht mit einem detaillierten Brief in 42 Tagen. Adresse: Guangxi Beibu Bay Radio, 75 Minzu Avenue, Nanning City, Guangxi 530022, P.R. of China. (Patrick Robic-AUT, A-DX Nov 23)

5050 **Voice of Beibu Bay Radio**, 15 kW

2300-2400	12345..	Vietnamese
2300-240067	Chinese
0000-0100	1234567	Chinese
1000-1100	1234567	Cantonese
1100-1130	1.....7	Vietnamese
1100-1130	.23456.	Thai
1130-1330	1234567	Vietnamese
1330-1500	1234567	Chinese
1500-1600	1234567	Vietnamese

(Nagoya Aoki list via WWDXC TopNews)

3280, **Voice of Pujiang**, Shanghai, 1345, Nov 08, Chinese talk, poor-weak with deep fading and local noise. (Timofeyev)

3990, **Gannan PBS**, Tianshui, *2251-2331, Nov 14, Chinese ID "Gannan Renmin Guangbo Dientai", anthem, local flute music, 34433. (Robic)

4750, **CNR-1**, Nanning, Guangxi, 2227-2232, Nov 11, orchestral music, 33343. (Mille). Also heard at 0850-0900, Nov 21, man and woman talking, 25322. Heard // 4460 with

better signal 35433. (Cody). And at 1200, Nov 19, under Bangladesh. Is clear when Bangladesh is off at 1400*. (Goonetilleke)

4820, **Xizang PBS**, Lhasa, 2030-2200, Nov 11, Nice U.S. Country and Western and other oldies as a welcome to President Obama. 2100 One hour followed of Chinese opera, rare ann in Chinese. What a welcome to the President! Heterodyne, 34433. (Petersen). Also heard at 1230, Nov 19, Chinese language service, 433. (Goonetilleke)

4980, **Xinjiang PBS**, Urumqi, 1246, Nov 19, Inner Mongolia Uighur now on winter frequency, 444. (Goonetilleke). Also noted at 2335 on Nov 21, Uighur, 45434. (Petersen)

5050, **Beibu Bay R**, Nanning, *2241-2305, Fr Dec 04, xylophone type instrument with brief tune-up. This seems to be a regular event prior to each transmission which gets under way at 2258 with similar music. Four short pips and one long on the hour followed by usual Multilanguage sign on. The format differs. Some days light oriental pops, other days interviews /reports with regular IDs as "Bei-bu wan zhi sheng" with accent on the "bu". Signal strength has improved over past month relative to earlier reception. Not sure if this is propagation conditions or transmitter (suspect the latter). (Bell) 5050, Guangxi Beibu Bay Radio, 1445-1551, Dec 15. Even though I have not reported on this in a while, it is routinely heard with mostly fair reception. In Vietnamese with EZL pop songs; English heard: "B-B-R", "Top Music", "B-B-R news", "B-B-R weather" and "This is Guangxi Beibu Bay Radio". Several months ago Mark Schiefelbein pointed out to me that the ID had in fact changed from the original "This is Beibu Bay Radio", so not sure just when the change occurred. Good catch Mark! Happy to hear they now use English IDs more than just at the ToH and BoH. They also give IDs in Vietnamese for their numerous FM frequencies and seemed to mention FM for Laos and Thailand also; light to moderate QRM from AIR Aizawl. // 9820 (poor/QRM). Website < <http://www.bbrmedia.com/> > does not seem to be updated very often. Am pleased to see that the Voice of Strait never did return to 5050 (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

5050, **Voice of the Strait**, Fuzhou, 1548-1552, Nov 16, Chinese talks, 15331. (Mille)

5060, **Xinjiang PBS**, Urumqi, 1250, Nov 19, Chinese Service on winter frequency. (Goonetilleke). Also heard at 2330-2335, Nov 21, Chinese talk with musical interludes, 45434. (Petersen)

6060, **Sichuan PBS**, Chengdu, 1240-1310, Nov 15, Yui (tent.) talks alternately with short fragments of Chinese folk music, time signals at 1300 without any ID, almost good at the beginning, then mostly fair // 7225 fair. (Timofeyev)

6937, **Yunnan PBS**, Kunming, 1402-1442, Nov 08, short fragments of local music, long singing by man and woman alternately, fair and sometimes almost good with fading and local noise. (Timofeyev)

9820, **Beibu Bay R**, Nanning (presumed), 1126-1130, Nov 13, signal is improving, Thai (scheduled Mo-Fr) comments until 1127 when music is presented. This is parallel to the signal on 5050. (Bolland) [3280-9820 loggings from DSWCI DX Window except noted otherwise]

Xinjiang People's Broadcasting Station (XJBS) valid since November 19, 2009

Uighur 2330-1800
13670 0200-1227
7205 2330-0200, 1227-1800
11885 0300-1200
4980 2330-0300, 1200-1800
9560 0300-1200
6120 2330-0300, 1200-1800
7275 0300-1200
3990 2330-0300, 1200-1800

Chinese Service 2330-1800
11770 0300-1200
5060 2330-0300, 1200-1800
9600 0300-1157
7310 2330-0300, 1157-1800
7260 0300-1200
3950 2330-0300, 1200-1800
5960 2330-1800

Kazakh 0000-1800
9470 0300-1200
6015 0000-0300, 1200-1800
7340 0300-1200
4330 0000-0300, 1200-1800

Mongolian 0000-0330, 0530-1030,
1230-1800
6190 0000-0330, 1230-1800
9510 0530-1030
7230 0530-1030
4500 0000-0330, 1230-1800

Kyrgyz 0330-0530, 1030 (Tu.Th.1100)-1230
9705 0330-0530, 1030-1230
4500 1210-1230
7295 0330-0530, 1030-1230
6190 1210-1230
(NDXC via ARDXC)

CHINA (Tibet) 4905, *Xizang PBS*-Lhasa, 1630-1700, Dec 21. "Holy Tibet" program in English; news items about Tibetan farmers and herdsmen; "Tibet Tourism" about making and ways of eating "Samba"; ID "This is China Tibet Broadcast Company, Holy Tibet. Holy Tibet will take you to visit the roof of the world. Holy Tibet is the window into the life of Tibet"; most days heard with fair reception; // 4920 and 6200 (Ron Howard via NASWA Yahoo Group)

CLANDESTINE Open Radio for North Korea in Korean

1400-1430 NF 7550*ERV, x1300-1330 on 11640

*co-ch BBC in Bengali Sun only

Zimbabwe Community Radio/Radio Dialogue in Ndebele/English/Shona 1755-1855 4895 NF via Meyerton ex 5865 (R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews Dec 15) Dec 16 at 1850 checked Zimbabwe Community Radio reception on 4895 via Meyerton. Fair signal, about the same as SW R Africa on 4880 via the same transmitter. (Jari Savolainen-Finland via DXplorer)

Ethiopian target stations: **Radio Democracia** in Amharic is a new station brokered through TDP and scheduled 0900-1000 Sundays on 21555. Also new is **Meleket Ethiopia Radio** 1600-1645 on 15195 Wednesdays. **Radio Bilal** is 1730-1800 on 9605 Sundays. All these broadcasts use the Samara, Russia transmitter site. (DX Mix News, Bulgaria)

Current schedules of various broadcasters targeting North Korea:

Radio Free Chosun: 1200-1300 11560 via Yerevan, 1230-1300 12085 via Tashkent, 1545 1615 9940 via Yerevan, 2000-2100 7515 via Tashkent.

Radio Free North Korea: 1100-1200 12150 via Dushanbe, 1300-1500 7490 via Dushanbe, 1900-2100 7530 via Yerevan

Open Radio for North Korea: 1400-1430 7550 via Tashkent, 2100-2200 7510 via Yerevan.

CMi: Voice of Wilderness: 1300-1400 9850 via Yerevan, 2000-2100 Sunday 5915 via Wertachtal.

North Korea Reform Radio: 1500-1600 7590 via Tashkent.

Voice of Freedom 1600-1700 6240 via Tashkent. (Sei-ichi Hasegawa, Japan via Wolfgang Bueschel via WDXC DX News)

Furusato no Kaze in Japanese at 1300-1400 is now using 9950 via Taiwan, ex 9810. (DX Mix News, Bulgaria)

3912, **Voice of the People**, via Goyang, 1210-1218, Nov 08, Korean talk including one fragment of some patriotic meeting, 1213 Korean orchestral music and talk, fair-poor under local noise and bubble-like jamming // 6518 and 6600 both strong, but fair only because of North Korean jamming. (Timofeyev)

4450.00, **AINDF**, via KCBS, Pyongyang, 2310-2320, Nov 21, Korean talk, 35333, not heard on // 3480 or 4557. (Petersen)

6045, **IBC Tamil**, via Wertachtal, 0000-0100. Clandestine radio stopped its one hour morning transmissions to South Asia: LTTE funded Tamil clandestine radio IBC-TAMIL told on their Nov 04 morning broadcast, they will start its one hour evening transmissions to South Asia. But they were not broadcast. Their official website was also not working and the London phone numbers too not gives any response. One of the contributor from Chennai for IBC Tamil, were also confirm the same. The above said frequency provides good reception at my location in Chennai. Interestingly, few years back IBC's main rival at European skies, Tamil Broadcasting Corporation - London stopped its SW transmissions, which were usually heard 1230-1330 at 21590. (Jaisakthivel). WRN London stopped IBC Tamil program via Media and Broadcast, Wertachtal 6045 on Nov 03. Budget problems by the Tamil Tiger insurgents after military victory of Sri Lanka - Ceylon government? (Bueschel and Ivanov)

7510, **Suaab Xaa Moo Zoo**, via Taipeh (100 kW / 250 degrees), 2230-2300 daily in Hmong to South East Asia, ex 11760 . (Ivanov via BC-DX Nov 10)

9605, **Voice of Meselna Delina**, via Samara (250 kW / 188 degrees), Tu/Th/Sa 1730-1800 in Tigrinya to East Africa, again via TDP. (Ivanov via BC-DX Nov 10)

9950, **Furusato no Kaze**, via Taipei (100 kW 002 degrees), 1330-1400, new frequency in Japanese to North Korea ex 9810 to avoid CNR-1 in Chinese, but heard with co-channel R Ukraine International in Ukrainian. (Ivanov, via BC-DX Nov 16)

13820, **Adera Dimtse R**, via Nauen. Just received a full detailed e-mail confirmation in only one day after the last reminder. Report sent and answer received from ecadf@ecadforum.com. No v/s, only "Ye Ethiopia Adera Dimtse Radio". And they state that the programme is in Amharic. (Fernandez Llorella)

15195, **Meleket Ethiopia R**, via Samara (250 kW / 188 degrees), We 1600-1645 in Amharic to East Africa, new station. (Ivanov via BC-DX Nov 10)

17560, **Voice of Tigers** - Pulikalinal Kural, 1202-1258, Nov 25 and 26, Tamil film songs with out any ann. It is like a test broadcast, 33232. However, on Nov 26, WRN did carry the Russian language programmes at 1000-1130! But the clandestine broadcasting in Tamil came on the air at 1200. However, the Station ID said "Pulikalinal Kural - The Voice of Tigers", so it is not IBC Tamil! In 1990, the Pulikalinal Kural started in Jaffna, whereas it withstand from various attacks over it. 23 times it get attacked, but still to service again. When the people lost their lives on May 16, the Voice of Tigers had also stopped its service. Voice of Tigers has live stream on <http://www.pulikalinkural.com/> and <http://www.votrдио.com/live/live.html> . (Jaisakthivel). The mother tongue of Jaisakthivel is Tamil. (Ed)

21555, **R Democracia**, via Samara, *0900-0917, Nov 22, Amharic, ID "Ye Democracia", ann transmitting frequency, report with many mentions of Ethiopia and democracy. Jammed from 0910 on. (Robic)

21555, **R Democracia**, via Samara (250 kW / 188 degrees), Su 0900-1000 in Amharic to East Africa, new station in B09 schedule from TDP. (Ivanov via BC-DX Nov 10) [3912 forward via DSWCI DX Window]

Frequency change for **Voice of Oromiyán Liberation Front**: 1600-1630 NF 11760 WER 500 kW 135 deg Su/Tu/Th to EaAf in Oromo, ex11805 *to avoid Radio Liberty in Russian. (R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews)

COLOMBIA LV de Tu Conciencia: "Another tremendous answer to prayer is that the

jamming from Havana Cuba has stopped and our short wave frequency 6010 (The Voice of Your Conscience) is now completely in the clear with new antennas which boost the signal about five times what it used to be. Pray that we will be able to make the same type of antennas for our other short wave station on 5910 kHz so that we can hit all of Venezuela and Ecuador with a strong signal at this most critical time. All we lack are six special telephone poles, some special coax cable that has to be imported and a few other odds and ends plus some money to pay the engineers." (Russ Stendal, Colombia Para Cristo NL (Dec 13) via Berg-MA in DXplorer)

CUBA A numbers station noted on 5900 signing on at 0750 causing co-channel interference to Radio Bulgaria. Location? (Edwin Southwell) It's from Cuba, had the phone ringing continuously in October at the same time as the Radio Havana frequencies. Report it to Radio Bulgaria. (Mike Barraclough via World DX Club DX News)

CZECH REPUBLIC Jonathan Murphy has forwarded the following email received by Anker Petersen from Robert Rehak at the Ministry of Foreign Affairs of the Czech Republic:

Thank you very much for your letter of October 16, 2009. I would like to appreciate your interest in broadcast of the Czech Radio Prague. We are proud to have such a radio and there is no intention to stop its broadcast. The Radio helps promote the good name of the Czech Republic in the world and plays a key role also for Czechs living abroad. Great support and encouragement for Czech countrymen is also the Internet site www.krajane.net managed by the Radio.

Due to current financial crisis the Government of the Czech Republic decided in June 2009 to reduce the state budget by 20%. Following the Government Resolution No. 715 the Ministry of Foreign Affairs is obliged to reduce the budget of the Radio for 2010 also by 20%.

According to the data received from the Radio the reduction will mean saving on all budgetary items and increasing of the Internet budget. The short-wave broadcast will be retained in reduced form. Foreign transmitters will probably replace some of the transmitters in Northern Bohemia. The broadcast in different languages should remain unchanged.

Thank you very much again for your interest in the broadcast from the Czech Republic. If you have more questions please do not hesitate to contact directly the Czech Radio or our Ministry. (Mike Barraclough via NASWA Yahoo Group)

DOMINICAN REPUBLIC 6025.088 R. *Amanacer* at 1213 nice singing ID jingles by women at 1213 t/in, then into soft religious sounding song. Good signal but with some 6020 Australia slop QRM. (Dave Valko-USA, hcdx Nov 26)

ETHIOPIA 6030, *Radio Oromia*, *0321, Dec 16 (Wednesday). Distinctive IS (xylophone) mixing with C&W music from Calgary till 0329; unable to make out language; 0332-0337 repetitive indigenous music; unable to confirm format after 0340. The Cuban jamming was not all that bad; Marti faded in for about one minute (very faint) and did not detract from R. Oromia reception at all. Reception was of course poor, what with the jamming and Calgary, but still a useable signal. So it might be possible to catch this on a semi-regular basis now? (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

6090, *R Ethiopia*, Addis Ababa, 0324-0335, Nov 14, Oromo (tent.) talk, local pop song and, tent. ID at 0327 as "Radio Amhara", good with weak UNID in the background till 0329, then fair-poor when AWR came on the channel with powerful signal. (Timofeyev via DSWCI DX Window)

FRANCE English from *Radio France International* is currently at 0400-0430 on 7315 9805, 0500-0530 on 7425 9805, 0600-0630 on 7315 11995 13680, 0700-0730 on 11725, all these broadcasts Monday to Friday and daily at 1200-1230 on 21620 and 1600-1700 on 15605. (HFCC listings via Mike Barraclough via WDXC DX News)

GERMANY Frequency changes for *IBB*:

Radio Liberty

0400-0500 NF 5840 BIB, x 5940 Russian
0400-0500 NF 5940 LAM, x 5840 Tatar

5980.00, *Hamburger Lokal Radio*, via Kall-Krekel (1 kW) *0958-1200*, Dec 03 and 04, Carrier signed on 0955 while R 700 on 6005 was on the air, 0958 test tape: "Sie hören das Test Programm aus Hamburger Lokal Radio" with accordion and Ship Horn blowing twice, 1000 ann, postal address, ID, Dec 04 at 1001-1055 funny talk about "Pubertet" (Puberty) with audience laughing many times, 1055 English male song with trumpet, light music, s/off with

ID, ann 5980 kHz and Ship Horn blowing twice, 44333, QRM R Marti in Spanish. These tests continue throughout December. (Petersen-Denmark via DXplorer)

6005, **R 700**, via Kall-Krekel (1 kW), 0945-1010, Dec 04, German ann, pop music, 0955 news and traffic, ID: "Radio Sieben Hundert", more pop music, 35333. (Petersen-Denmark via DXplorer)

6140, *European Music R*, via Wertachtal, *1000-1100*, Su Nov, English IDs: "EMR, European Music Radio", Tom Taylor presenting pop music, e.g. by Sting and Tremeloes. At 1030 Mike Taylor with "Mail Box" reading listeners reactions on missing programme last month, e.g. from Erik Koie, 55544. Wertachtal is totally drowning R Habana Cuba on same channel here! (Petersen). Also heard in Spain with 45444. (Méndez). Please send all reception reports to: studio@emr.org.uk. (Taylor, Nov 14)

6140.00, *R Gloria International*, via Wertachtal, *1000-1100*, Su Nov 22, English ann, ID-jingle, pop songs, 55544. (Petersen). Also heard with ID: "Radio Gloria Internacional. P. O. Box 460143, D-01246 Dresden, Germany, e-mail address: radiogloria@aol.com", 45444. (Méndez via DSWCI DX Window)

GUATEMALA 4780, *R Cultural Coatán*, San Sebastián Coatán, Huehuetenango. "It is a great pleasure to greet you from here, San Sebastian Coatan, Huehuetenango, Guatemala. The answer to your question on the shortwave transmitter is, that we are no longer in the air, for that matter have broken pieces of the transmitter and have not found spare. If we find the damaged parts, we will be back on the air on short wave, but most likely will not find them, and then we will only use 103.3 FM and on our website www.radiocoatan.com. God bless and goodbye." (R Cultural Coatán, via Méndez, Nov 21 via DSWCI DX Window)

GUYANA Stabroek News, Guyana, November 29, 2009: *The National Communications Network (NCN)* [ex Guyana Broadcasting Corp] is revamping its shortwave transmission system that will see the return of radio signals to interior locations and nearby countries. NCN Chief Executive Officer Mohammed Sattaur told Stabroek News that the process is being facilitated by the relocation of the company's radio transmitter at Sparendam, East Coast Demerara. The company has since set up a new location at Canal Number Two Polder, West Bank Demerara.

The Ogle Airport had requested that the company relocate its transmitter to facilitate the expansion process. Ogle CEO Anthony Mekdeci, when contacted for comment, explained to this newspaper that the transmitter penetrates the obstacle clearance limitation surface in the after take-off flight path of the expanded runway at Ogle. He further stated that Ogle is currently a Visual Flight Rules only airport but once the transmitter is removed it would become an Instrument Flight Rules Airport and would be able to accommodate aircraft at night and during any weather condition.

Meanwhile Sattaur told Stabroek News that the relocation process should be officially completed before the end of the year. He said the company will use the relocation opportunity to revamp and modernise shortwave radio, making it more powerful on the air. It has also moved to procure new equipment for this purpose.

The new move means that people in interior locations would again hear radio and at different periods of the night countries close by would also be able to listen to NCN. The shortwave system was down for some time and so service to those locations were suspended. (Mike Terry/British DX Club via DXplorer) I presume the former GBC SW frequency 3290 and possibly 5950 kHz, which has been silent for several years, will be reactivated. (Dave Kenny/BDXC via DXplorer)

INDIA AIR Kohima almost on the border of Burma, today (Nov. 24) came on at 1200 on 4850 of course with beautiful choral singing.

AIR Gangtok (Nov 24): 1200 Station ID and frequency announcements including MW by YL into beautiful flutes chanting and fanfare with a lovely signal today on 4835 followed by chanting type Buddhist temple singing at 1215 about 4 minutes of what appeared to be news in Tibetan. Sikkim has a fairly large Tibetan population but the dominant race is Nepali. Fine reception before Mumbai comes on near 1230 5 kHz up. (G. Victor A. Goonetilleke, Sri Lanka via DXplorer)

4850, **AIR Kohima**, 1355, Nov 30. News in English with major item about tomorrows start of the Hornbill Festival; weather; 1400 ID: "This is All India Radio Kohima"; special address by the Governor of Nagaland, Nikhil Kumar, on the eve of the anniversary of the state of Nagaland having formally been

inaugurated on December 1, 1963 and for the start tomorrow of the Hornbill Festival (-<http://www.hornbillfestival.com/>); 1407 hard rock music show "Live Wire"; suddenly off at 1408. Had been off the air for the last two days. AIR Kohima, 1300, Dec 4. Program schedule in Hindi and English; sports segment in English explaining about basketball; into Hindi; 1340-1400 local news and weather in Hindi, followed by same items in English (Arabinda Rajkhowa turned over to India at the India-Bangladesh border; 4th day of Hornbill Festival ("Festival of Festivals"); fire destroyed some shops in Kohima; Defense Minister Shri AK Antony will arrive in Kohima tomorrow to visit the Hornbill Festival; etc.); started out weak but was almost fair at their sign off at 1400. (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

4895.90, **AIR Kurseong**: Something is happening at Kurseong! Dec 21 noted AIR Kurseong clearly off frequency on 4895.90. Heard usual AIR fare at 1451 and switched over to Delhi programs at 1512. Not sure if it was just propagation or what, but the signal seemed stronger than normal. First there was AIR Kolkata off frequency (4820.78v) and now AIR Kurseong. Are they testing new transmitters (or back up transmitters) or is it something else? (Ron Howard via NASWA Yahoo Group)

4990, **AIR Itanagar**, 1407, Dec 4. In English with cricket scores; into Hindi and subcontinent music; news in Hindi; 1420 musical fanfare, "Good evening. This is All India Radio Itanagar"; news in English (Arabinda Rajkhowa turned over to India at India-Bangladesh border, etc.); "Now news from the national front" (Nepal Prime Minister and cabinet members meet at the base camp of Mt. Everest, etc.); sports scores; weather ("Now the weather forecast according to the Meteorology Department. There will be partly cloudy skies", etc.). Also news in English from 1501 to 1510, which seems to be a regular feature now. Clearly the best reception I have ever had here! (Ron Howard via NASWA Yahoo Group)

6090, **AIR Vividh Bharthi** program, 0830-1200, Nov 23, 24, 25 and 26, heard on this frequency. However, on Nov 25 the External Service in Indonesian was broadcast. At around 0830 test tones were heard on 6100 first and later on 6090. The Vividh Bharti tests on 6090 on Dec 05 at 0900-1200 is due to simulcast experiments of DRM by AIR. The DRM frequency is 6100. (Jacob via DX Window)

INDIA (SIKKIM) 4835, *AIR Gangtok*, 1434-1457, Dec 4. Mostly subcontinent music; sounded to be in Hindi. At 1531 could make out the news in English from Delhi; // 4760, 4775, 4810, 4880, 4895, 4910, 4920, 4940, 4950, 4970, 4990, 5010, 5040, 5050, 9425 and 9470. A phenomenal day for AIR reception! (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

IRAN Winter B-09 for *VOIRI / IRIB* in English
0130-0227 6120 7250 "Voice of Justice"
1030-1127 15460 17660
1530-1627 6160 7380
1930-2027 6010 #6040 7320 9855 11695
Sitkunai, Lithuania relay. (R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews Dec 15)

IRELAND 3910 [Pirate] *Atlantic Radio* Nov 13 via Global Tuners UK from 2302-2333 w/ predictably nice signal. However 6960 was not hrd, even in the UK. A QSL e-mail from Stephen Prendergast explained why: "We broadcast from the west coast of Ireland, we have a 80ft vertical tower that supports a inverted V for our 6960 kHz transmitter (currently 10watt) and we have a inverted L antenna for 1251 kHz MW. Our 1251 kHz transmitter will not be fully up and running till Christmas, and will operate on 300 watt. The 3910 kHz transmitter is located at a different site not too far away, its a horizontal dipole, the transmitter was running at 150 watt from 2000 to 2210, and then 500watt from then till close at 2333. This has been our second broadcast, and first on 3910 kHz. We hope to return during the Christmas season as we need to make improvements to our 6960 kHz transmitter. Our link was dropping due to water logging in the coax."

10 watt is not likely to travel far! 6960 could be an interesting target for the Christmas bcst. (Bruce W. Churchill-CA-USA, DXplorer Nov 22)

ITALY QSL *R. Maria Italy*, Andrate, 26000, e-mail verie in 14 weeks, v/s/s Claudio Re (Network Director) and Giampiero Bernardini (QSL Manager). A hard copy arrived by air-mail 3 weeks later. Heard in Czech Republic. (Vashek Korinek-AFS, DXplorer Nov 26)

KUWAIT The Department of Frequency Management has issued the following shortwave frequency schedule for *Radio Kuwait's* transmissions for B2009:

0200-0800	6055	Gulf Area
0800-1000	7250	Gulf Area
1305-1700	15110	South and South East Asia
0200-1100	13650	North Africa
1800-0000	15495	North Africa
1000-1745	11630	Central and West Africa
1305-1500	17885	Far East Area
1800-2100	11990	Europe and North America
0900-1300	13620	Europe and North America
1505-1755	13620	Europe and North America
2200-0200	11675	North America (west)

MALAYSIA 5952.19v, *Klasik Nasional FM* via RTM, 1504, Nov 28. New frequency for them! In vernacular; news from RTM News Center, followed by commentary; reciting from the Qur'an; ID; pop music show till 1533 tune-out. Bothered by het due to station on 5955; best in LSB; seemed to have a slight drift. They probably moved away from ex: 5964.92v due to persistent heavy QRM (e.g. today I found a very strong CRI in Russian on 5965.0). Was able to hear the usual 6049.60v ("Suara Islam FM" ID at 1525) and 7295 (Traxx FM in English with Dean Martin singing "That's Amore" at 1535). 5952.19v, *Klasik Nasional* via RTM, 1600, Nov 29. 1+1 pips; choral National Anthem (Negaraku - Lagu Kebangsaan Malaysia); ID "Radio Malaysia Klasik Nasional"; singing "Klasik Nasional" jingle; RTM news headlines in vernacular; reciting from Qur'an. Reception before 1600 was mostly poor due to adjacent QRM, but after 1600 was fair to almost good. Much better here than on ex: 5964.92v. Sei-ichi Hasegawa in Japan actually heard this earlier than I did. He confirms them on 5952.2, at 0845, on Nov 27, which seemed to be their first day here. (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

5964.93v, *Klasik Nasional* via RTM, 1603, Dec 1. After being on ex: 5952.2 for only three days, they have returned to their former frequency. What happened? Just an error? Heard under DW (in English), with news in vernacular; 1605 distinctive singing "Klasik Nasional" jingle. Their absence on 5952.2 for Nov 30 and Dec 1 were also noted by Sei-ichi Hasegawa in Japan and Martien Groot in the Netherlands. Thanks fellows for your feedback! (Ron Howard via NASWA Yahoo Group)

Voice of Malaysia heard on 15295 November 11 in English, 0850 tune in local pop music with female announcer in, 0900

News bulletin with all items being about Malaysia, 0910 seemingly patriotic song with many mentions of Malaysia followed by lady announcer with talk on the history of the country, tuned out 0915. 0945 re-check Qur'an followed by brief announcement ending bye bye at 0952, two more songs, dead air, brief announcement in Chinese 0959 followed by dead air to 1006 tune out, carrier still on but no audio at 1045 recheck. Fair strength with slight fading on clear channel, not heard here for some time on fairly regular checks. Audio seemed slightly over modulated. Per Aoki B09 the schedule on this frequency has now changed to: 0400-0600 Malaysian, 0600-0800 English, 0800-1000 Voice of Islam English programme, 1000-1200 Chinese. English on 6175 is shown as 0400-0800 and on 9750 0600-1000. (Mike Barraclough via World DX Club DX News)

6049.60v, **Salam FM** via RTM, 1610, Dec 2. In vernacular; announcer talking over background music; reciting from the Qur'an; singing "Salam FM" jingle (the same one that Alan Roe [Teddington, UK] heard back on Sept 24, after 1700, on 9750); on air phone call; pop music; suddenly off at 1629; clearly parallel 6175 (under CNR1) and 9750 (under NHK, as PBS Nei Minggu had already signed off). Earlier had a clear ID for "Radio Suara Islam FM" at 1552, so Salam FM probably started at 1600. If this continues to be their schedule, it is a major change, but certainly needs more monitoring to see exactly what their full schedule is now. Pleased to have caught this, as it is my first reception of them! Audio file posted at naswayg "Files > Sounds". Salam FM via RTM, 1600, Dec 4. In vernacular; 1+1 pips; singing "Salam FM" jingle; sounded like a talk on Islam, probably from a mosque, as there was an echo, as if in a large structure; 1602*. Dan Sheedy noted 1604* on Dec 3. Seems to just be an audio feed to fill in the time after the end of Radio Suara Islam FM broadcast and when they finally go off the air. Therefore would expect the timing of this audio feed to vary from a few minutes to half an hour, but do not think they will actually run the whole Salam FM program. Rather anticlimactic, as I had hoped for the full program, not just this teaser! 6049.6v, Salam FM via RTM, 1600-1630* Dec 9. End of the Radio Suara Islam FM program at 1559; choral National Anthem (Negaraku - Lagu Kebangsaan Malaysia); 1+1 pips; in vernacular; abundance of "Salam FM" jingles and "Radio Malaysia Salam FM"; reciting from the Qur'an and talks about Islam; EZL songs; on air phone call; fair. Most days this ends by 1604, so this was a very good day! Salam FM is focused on the teaching of

Islam (da'wah), under the auspices of the Department of Islamic Development Malaysia (JAKIM), in collaboration with Radio and Television Malaysia (RTM). It is broadcast over various FM stations in addition to 6049.6v, 6175 and 9750. <<http://www.radiosalamfm.com/>> (Ron Howard via NASWA Yahoo Group)

MAURITANIA Radio Mauritanie noted back on 4845 around 2100 after having been off for some months. (Arthur Miller, Edwin Southwell via WDXC DX News)

MEXICO 6104.9, **XEQM**, Mérida, Yucatán, surprisingly good S9+12 signal Dec 16 at 0745, live DJ with 1:46 am timecheck, telephone number for requests, other chatter over music, a minute later at 0748 giving "exact time" as 1:49, back to music only. Modulation a bit distorted, and just a hint of a het from something on 6105.0, nothing scheduled from major broadcasters, so maybe one of the other LA stations. But: about to get blown away by TWR. (Glenn Hauser, OK via NASWA Yahoo Group)

MOLDOVA (PRINESTROVYE) 6240, **R PMR Pridnestrovye** (500 kW 309 degrees), Su-Th only, 2315-2400, English/French/German (each 15 min) to Western Europe and North America in B09 schedule. (Ivanov, via BC-DX Nov 16 via DSWCI DX Window)

MONGOLIA 4830, **Mongolian Radio**, 1329, Nov 26. Assume in Mongolian; patriotic sounding music; 1336-1341 American talking about Mongolia in English, with woman translating; followed by orchestra music and back to Mongolian; clearly // 4895; both weak. (Ron Howard via NASWA Yahoo Group)

NEPAL 5005, **R Nepal**, Khumaltar, 0035, Dec 04, only carrier, no modulation; daily heard. What a pity no modulation, 333. (Goonetilleke via DX Window)

PAKISTAN Radio Pakistan is heard via new 17700, replacing 17835, with news in English at 1100. The 1600 news broadcast is being heard on 7535 and 15100. (Allen Dean via WDXC DX News)

PAPUA NEW GUINEA 3315, **R. Manus**, 1402-1404*, Nov 28. In English; NBC sign off announcement with frequencies and "On behalf of the National Broadcasting Corporation, wishing you a good evening"; National Anthem.

3365, **Radio Milne Bay**, 1354-1359*, Nov 28. DJ in English with phone numbers and mentions a program on Sunday afternoon; pop song; 1359 went to a test tone.

3385, **R. East New Britain**, 1306, Nov 28. In Tok Pisin and English; DJ with pop island songs; played number one hit of the "top 10", which was number one for two weeks in a row now; 1320 start of the "Late Night Music" show, also with pop songs; off the air at 1348 re-check; almost fair; decent day for PNG. (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

PERU 4950 **R. Madre de Dios**, Pto Maldonado, 2204-2219, 27 Nov, Castilian, lively Indian songs; 25341.

4986.8, **R Manantial**, Chilca, 2305, Nov 26, huayno music, religious programme, clear ID, also, "Voz Cristiana, la Radio del Perú", drift from 4991?, audible only this day; 0=3. (Schnitzer via HCDX via DX Window)

9720 **R. Vitoria**, Lima, 2138-2154, 26 Nov, Castilian, many refs. to IPDA campaigns & healings, prayer; 44443, co-ch. QRM. (Carlos Goncalves-POR, wwdxc BC-DX TopNews)

POLAND VT Group has secured a contract to broadcast 20 hours a day of analogue and digital output from the Polish public broadcaster **Polskie Radio** using its network of European and global transmission sites. VT will deliver the programming on shortwave to listeners in Europe and Israel in Polish, English, German, Hebrew, Russian, Belorussian and Ukrainian. The four-year contract with Polskie Radio, which started in late October, is worth some £1.5 million and means VT now has nearly 40 customers for its transmission services. (Media Network via WDXC DX News)

ROMANIA With ID "**Radio Romania**" in Romanian began the central nx bulletin from 0500 on 6055 and 7220. When checked on MW, LW and FMs from ROU, I found all 23 MW freqs, LW 153, FM prgrs as well as Radio Romania Cultural and Radio Romania Musical and all local stations to broadcast the nx [from the capital]. Same procedure noted at 1600 on SW and other outlets.

After the nx around 0520 and 1620 on SW followed the progr Radio Romania Actualitati as bcst on MWs and FMs (but not Radio Romania International). It is interesting, they are using two from all six used freqs in Russian service for DRM, but in the DX Forums in Russia I met only one DXer with a DRM receiver. Nov 22-30.

(Rumen Pankov-BUL, wwdxc BC-DX TopNews)

SLOVAK REPUBLIC Frequency changes of **Radio Slovakia International**:

0100-0227 NF 6040*RSO in En/Slovak/Fr to NoAm

0230-0257 NF 6080 RSO in Spanish to SoAm
*co-ch 0100-0157 R Canada International in English to SoAs via Skelton (R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews Nov 23)

Updated winter B-09 of IRRS Shortwave from Milan, Italy:

0300-0600	9835	MIR Eng/Ara, not active
0530-0630	5990	EGR English Mon-Thu
0900-1000	9510	JOY Eng/Ger 1st Sat
0900-1000	9510	WOR+DXPL 2nd/4th Sat
0900-1000	9510	CIT English 3rd Sat, new
1030-1300	9510	EGR English Sun
1500-1800	15650	MIR Eng/Ara Daily
1900-2200	6170	EGR English Fri, new
1900-2100	6170	EGR English Sat/Sun, new

CIT = Radio City

DXPL = DX Party Line

EGR = European Gospel Radio

JOY = Radio Joystick

MIR = Miraya FM Radio, Sudan

WOR = World of Radio

(R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews Nov 23)

Miraya FM Radio, Sudan now observed on Dec 20 on new frequency of 9825 for its 1500-1800 transmission in English and Arabic with fair signal.

SOUTH AFRICA 17860, **South African Radio League**, via Meyerton, *0800-0835, Su Dec 06, English programme for radio amateurs, ID, talk about antennas, hardly heard because of acoustic back-coupling (rather amateurish!), fading in, at best 25222. (Petersen via DX Window)

SRI LANKA 15745, **Sri Lanka Broadcasting Corporation**, Colombo, English service of Sunday morning show is heard from 0100 instead of 0330. (Shiraishi via DSWCI DX Window)

"SUDAN" Sudan Radio Service schedule is now 0400-0500 on 7280, 0500-0600 on 13720, both via Dhabbaya, 1500-1700 17745 via Sines and 1700-1800 9840 via Dhabbaya. Their service to Darfur is at 1600-1700 on 11785 via Meyerton Sunday to Thursday. (www.sudanradio.org, HFCC registrations via Mike Barraclough and WDXC DX News)

TANZANIA 6015, *Voice of Tanzania*, Dole, Zanzibar, *0258-0343, Nov 15 and Dec 06, marimba sign on, orchestral anthem, Swahili ID and ann, Koranic chants, lesson from imam until 0315, then hi-tempo local music clip and ann, talk mentioning Zanzibar, local music, 0343 news with excerpts from speeches, 23432, good audio. (Bell and Freitas via DX Window)

UKRAINE 11980, *R Dniprovska Hvyliá*, 0751-0806, Nov 22, songs and talks, starting from 0800 President Yushchenko speeches. 25322 initially, then raised to 35333. Alexander Yegorov confirms the relay of UR1 by RDH at this time. Later, Mauno Ritola reported the close-down at 0857 that day, nice recording has been put to <http://dxsignal.ru/audio/ueng.htm>, see Ukraine section. (Mezin via DSWCI DX Window)

URUGUAY *Sarandí* 6045 & 6125 *SODRE R. Uruguay*, active again. The first one, stronger than previous days but suffering from the same saturated/distorted audio; the latter on the contrary barely audible. (Horacio Nigro, Uruguay via DXplorer) 6045 Radio Sarandí, Montevideo, 2030-2040, December 05, Spanish. Programme "Amplitud Musical" // 690. Ann. & ID as: "Más comunicación, más interactiva, más radio....siempre Sarandí". Local advs. ".....SER, siempre estamos donde vos estés...."; ".....portal digital de El País....." (El País newspaper), jingle "Vinos Faisán, un buen amigo en tu mesa". TC & ann. "Amplitud Musical en Sarandí" SINPO: 34443. Thanks Horacio Nigro for the tip! (Arnaldo slaen, Argentina via DXplorer)

5931v. *Emisora Chaná* (unofficial), Tacuarembó, at 2310 on Dec 12, ad string by w, w/mention "FM Chaná" several cellular phone numbers heard but difficult to copy, "...segunda hora de Emisora Chaná desde Tacuarembó", by young m. At 2320 start recording on my mp3, mx: Christina Aguilera at 2324, Horoscope reading by same young m, mx, "curso de autoestima, psicología". Some kind of "decalog" reading. Gloria Estéfán "Corazón Partido" mx at 2352. Fq is now 5928! at 2353 so wildly drifting downwards in fqcy. QRK varies from 2 to 4, some QSB. Ad string at 0002 by young w. Mentions: manicura, celular 099 830653 ... "El Diamante", Carpintería en aluminio, etc. Called to a "Fabiana" whose phone was mentioned in the ad string, and she tells me the station is a Community one. She recognizes my surname and asks me if I am a relative from a hairdresser living in Tacuarembó. And I answer yes he's my father's cousin. Fqcy is 5924 at 0110. s/

off 0110. Again on Dec 13 at 1306 mixing w/ new Brazilian on 5940, Voz Missionária, Camboriú, w/ mx polka, fqcy drifting to 5925 at 1436... adstring: "Barrio Nuevo Tacuarembó, a couple of cell phones., one of them 099 76 39 29. Mexican classic theme: "Alla en el Rancho Grande". S/off 1438. (Horacio A. Nigro-Uruguay, "El Pinar" DX trip via DXplorer)

USA Facing a group of presidents loudly critical of Washington, the U.S. government's *Voice of America* broadcast is expanding its audience in Venezuela, Bolivia, Ecuador and Nicaragua, VOA officials said. VOA's Spanish-language division also will step up its use of Radio/TV Marti's production facilities in Miami because of budget pressures on both broadcasters, the officials added. The VOA effort to grow its Latin American audience comes as the Obama administration tries to counter the attacks on U.S. policies by several presidents in the region: Hugo Chávez in Venezuela, Evo Morales in Bolivia, Rafael Correa in Ecuador and Daniel Ortega in Nicaragua. "Our focus is on the Andean region because of the upheavals that are going on there," said Alberto Mascaró, Spanish division director. "Our second priority is Central America, especially Nicaragua and Honduras." The Andean region includes Venezuela, Ecuador and Bolivia, Colombia and Peru. Honduran President Manuel Zelaya, a Chávez ally, was ousted in July and is seeking to return to power. VOA—which only broadcasts internationally—transmits its reports via shortwave radio, local FM affiliates and satellite television as well as its Web pages. Funded by the government, it is required to observe standards of "accuracy, balance, comprehensiveness, and objectivity."

"We need to contribute to informed dialogue" in the Andean region and Central America, Joan Mower, VOA public relations and development director, told El Nuevo Herald in a telephone interview from Washington. Mower said VOA has 319 affiliated radio stations in the Andean region that broadcast its free programs—199 in Bolivia, 77 in Colombia and seven each in Ecuador and Peru. It also has 95 television affiliates, with the largest number, 23, in Colombia. The Spanish division has 21 staffers and a 2009 budget of \$3.1 million. VOA's ruling Board of Broadcasting Governors decided to increase the broadcaster's reach into the Andes and Central America after three board members toured the two regions this summer, Mower said. The broadcaster, looking to hire a

marketing specialist to increase the number of affiliates, recently completed a major update of its Spanish-language Web site and last month gathered 17 Latin American freelancers in Washington for training, she added. Starting next month, VOA will run training sessions for journalists in Bolivia, Argentina, Panama and Haiti on how to cover the swine flu epidemic. It's also working to give affiliates easier Internet access to broadcast-quality video and audio materials. VOA's most recent surveys in the five Andean countries plus Cuba showed a total audience of 1.9 million adults—1.4 million on radio, 500,000 on television and 200,000 on the Internet, Mower said. Mascaro said the increased use of Radio/TV Marti's Miami studios is the result of budget pressures on both broadcasters. "In a time of tight budgets, we see a need to maximize resources, and the OCB has a great infrastructure," said Mascaro, a Cuban American who was chief of staff at the Office of Cuba Broadcasting (OCB), in charge of the Marti operations. He was hired by VOA in August. Radio/TV Marti now has about 170 employees and a 2009 budget of \$34.8 million, but its 2010 budget is under attack by congressional critics who argue that Cuban government jamming blocks virtually all TV Marti reception on the island. (Miami Herald via Arnaldo Slean via DXplorer)

The FCC B-09 schedule lists the new **WTWW** station as 1200-1900 and 2200-2400 on 9480, 0000-0700 on 5755. Tests were planned to start at the end of last month (Mike Barraclough via WDXC DX News)

Federal regulators announced November 25 that they have charged money manager Trevor Kiley and radio personality Patrick Kiley with running a Ponzi scheme that defrauded at least 1,000 people out of more than \$190 million in a bogus currency investment scheme. Kiley pitched the investment on his radio show, "Follow the Money," which was broadcast in more than 200 markets and on shortwave station **WWCR**. (US press reports via WDXC DX News)

WJHR: Dec 8 at 1434 I came upon a fire-and-brimstone preacher on 15550-USB, which has been an area rather vacant of signals this season, strangely enough. No carrier, pure USB. What could this be, WBCQ here instead of 15420 which clashes later with BBC? Typical sermon about resurrection, etc., occasional murmurs of assent from audience. Work himself up into a lather periodically. 1445 suggests to start tithing with a quarter or a nickel tonight,

then build up. 1450 becomes stronger needing attenuation to avoid pumping. 1451 some brief audio dropouts. 1455 fades a bit, start recording in case ID is coming up. 1501 preacher abruptly interrupted for hymn, which leads into ID as "WJHR Radio International, Milton, Florida" and asking for reports to wjhr@usa.com 1502 resume same preacher in progress. Sounds like they have the rough production values of a WWRB. 1506 some music, 1510 more of preacher. Still going at 1520. This is the brand-new SW station which has been in the making for some time, but we had seen no registration at all for this or any frequency from them. Now we know. And just what we need! (Glenn Hauser, OK) Per Glenn's information, presumed WJHR hrd currently, 1656, 12/8, 15550 USB. Signal varies moderate on peaks to almost non-existent, deep fades, lousy production. Wildly emotional preacher, parishioners' response. 1701, hymn and man with canned ID. WJHR, Radio International. "located in the city of Milton, Florida" Asked for reports to wjhr@usa.com. Back into preacher tk. (Jensen-WI) One wonders exactly whom Mr. Mock intends to reach with this broadcast, and what will motivate that audience to listen. Will Mr. Mock be operating with 50 kW from his home? If I recall, US "commercial" shortwave broadcasters (which includes religious broadcasters) have to operate with a minimum 50 kW to be licensed. (Richard Cuff-PA) Indeed, this is a curious new station. Why anyone would try to reach a general audience on SW by means of USB is a mystery. CP granted in June to George S. Mock, 5920 Oak Manor Drive, Milton, FL, in the Florida panhandle. Xmtr (50 kw) supposed to be located at that addr. A Google look at that address shows what seems to be a rather good sized residence in the piney woods just off the cul-de-sac at the end of Oak Manor Drive. Mock supposedly doing business as Hill Radio International, but Googling turns up little about that entity. Mock, who seems to go by his middle name, Scott, rather than George, is a ham, WB4BFO and is the trustee of the ham Northwestern (FL) Repeater Assn. (850) 623-5405. It appears that this Mock may be a recent graduate of Flagler College in St. Augustine, FL. No evangelical church website in Milton has any suggestion of being involved with WJHR. It is possible that this, somehow, is linked to an earlier CP for a SW stn by the Smyrna Baptist Church of Pensacola FL, which seemingly has expired. I cannot locate any linkage, though. Inquiries are out to the station the announced email addy, wjhr@usa.com. (Don Jensen) [All above via NASWA Yahoo

Group] I have been hearing them with the same ups and downs as others, poor overall, but their signal was slightly better, at least on peaks, on Dec 19 around 1700, with the usual preaching and their canned ID at 1701 (which is preceded and followed by gospel singing): "You're listening to WJHR Radio International. WJHR Radio is located in the city of Milton, Florida. All of your questions and comments are welcomed. Our e-mail address is wjhr@usa.com, again that is wjhr@usa.com." More preaching, which continued non-stop on a somewhat fadier signal until the next ID, which was at 1801. (Berg-MA via DXplorer)

James F. Brown, who as the director of *Radio Free Europe* in the early 1980s played a seminal behind-the-scenes role in the rise of the Solidarity movement, which eventually toppled the Communist Party in Poland, died in Oxford, England, on Nov. 16. He was 81 and lived in Oxford. Although he was a British citizen, Mr. Brown was named director of Radio Free Europe, a network financed by the American government, in 1978, bringing a deep knowledge of Eastern European history to the job. He was director until 1984, when he resigned because of disagreements with the Reagan administration. Radio Free Europe, Mr. Brown wrote in an unpublished memoir, "broke the Communist information monopoly and gave East Europeans the chance to think and judge for themselves." (Summary of New York Times article/John Figliozzi-NY via NASWA Yahoo Group)

UZBEKISTAN Frequency changes of *Radio Japan NHK World*:

1300-1345 NF 5960 TAC in Bengali
1345-1430 NF 6115 TAC in Hindi
1430-1515 NF 5985 TAC in Urdu
(R Bulgaria DX Mix News, Ivo Ivanov, via wwdxc BC-DX TopNews Nov 23)

VANUATU 3945, R. *Vanuatu* Port Vila, 1006, Nov 26, vernacular. M & W announcer w/ talk in unid. language; poor but audible until 3947LSB ham net s/on a few minutes later, w/ your host "Bob" & a dog pile of op's just dying to talk about their rigs, local weather & sister's gout; as they do every day I've tried for Vanuatu since mid-October; do these people EVER take a day off? (Scott Barbour-NH via NASWA Yahoo Group)

ZIMBABWE The state-controlled Herald newspaper quoted Foreign Affairs Secretary Joey Bimha as saying Harare objects to the transmission of "hate messages" to

Zimbabwe from transmission facilities in Botswana. The Zimbabwean government is reported to have said it will lodge a diplomatic protest with neighboring Botswana for allowing what Harare calls "pirate" radio stations to transmit into Zimbabwe from its soil.

VOA Studio 7 broadcasts to Zimbabwe over a medium-wave or AM transmitter in Botswana whose signal Harare has jammed since mid-2006. The nightly program is also broadcast over three shortwave frequencies. Bimha said the foreign-based stations, which include London-based Short Wave Radio Africa, jeopardize the power-sharing unity government established in February by ZANU-PF and the two formations of the Movement for Democratic Change, one led by Prime Minister Morgan Tsvangirai.

The issue of foreign-based stations was included in the September 2008 Global Political Agreement, which said Zimbabwean operators of such stations should be encouraged to return and broadcast from Zimbabwean soil. But managers of such stations including SW Radio Africa founder Gerry Jackson say media reform has not progressed far enough to make such a move advisable.

Media commentator Francis Mdlongwa, former editor of the Financial Gazette in Harare and now director of the Sol Plaatje Institute for Media Leadership at Rhodes University, told VOA Studio 7 reporter Patience Ruseru that the foreign stations issue is a red herring to draw attention from more pressing issues. (VOA News via Arnaldo Slaen/DXplorer)

UNIDENTIFIED 4820.76, randomly from 1331 to 1540, Nov 28. Fairly sure there was a station here that was very weak, but noticeable, as it was causing a het for Tibet on 4820.0 that I have never heard before; best in USB. Did not seem to be AIR, but who? (Ron Howard, Asilomar Beach, CA via NASWA Yahoo Group)

SUNSPOTS Something odd has happened to the sun. Four centuries after sunspots were first seen—by Galileo—they have disappeared almost entirely. In 2009 weeks and sometimes months went by without a single sunspot being discerned. In 2010 they will return, or so say most solar scientists. Others wonder whether the sun may be going through an extended period of inactivity.

Sunspots are a bit of a mystery. They are transient tangles in the sun's magnetic field that are slightly cooler than their surroundings and so appear as dark patches in the photosphere—the surface layer of the sun. They tend to appear in pairs (on opposite sides of the sun) that persist for a fortnight or so before fading.

Normally the number of sunspots peaks every 11 years, coinciding with the times when the sun's magnetic field is at its strongest. As the field wanes, the number of sunspots falls to a trough or minimum, at which point the sun's magnetic field reverses direction and starts to regain its strength. As it does so, sunspots begin to appear close to the poles of the sun. When the magnetic field is at its strongest, and sunspots at their most plentiful, they cluster close to the equator.

Back in 2008 solar scientists saw a high-latitude, reversed-polarity sunspot, suggesting the start of a new solar cycle. Since then, however, there has been little activity. Reliable predictions of sunspot numbers are impossible to make until the solar cycle is well established, usually three years after the minimum. So with luck the sunspot riddle should be solved in 2010.

Scientists from America's space agency, NASA, reckon that the next peak will come in March or April 2013. However, their colleagues at the National Solar Observatory in Tucson, Arizona, have found that the magnetism of sunspots (the strength of the knot that they form) has been declining over the past couple of decades. If this carries on, solar magnetic fields will become too weak to form sunspots, which will vanish completely in 2015.

In the past, sunspots have disappeared for decades. Between 1645 and 1715, they were rare. There were several years in which none at all was sighted and others in which fewer than ten were spotted. Giovanni Cassini, an Italian astronomer, described a sunspot that appeared in 1671 as the first he had seen for many years. John Flamsteed, the first Astronomer Royal, observed one in 1684, after a gap of ten years. This 70-year period of low solar activity has since been dubbed the Maunder Minimum (after an astronomer called Edward Maunder, a sunspot specialist).

Whether the sun has taken that particular path or will return to normal will become clear in 2010. Not only astronomers will be interested in the answer. The Maunder Minimum coincided with a period of

exceptionally cold winters in Europe and North America and, perhaps, elsewhere. What happens if global warming meets solar cooling? Expect a hot debate. (Alison Goddard: science correspondent, *The Economist*, *The World* in 2010 print edition)

Union of Asian DXers ("UADX"): I am thinking of re-launching the Union of Asian DXers as a monthly E-newsletter with in depth study of radio in South Asia and DX possibilities in South Asia. This is also a means of sharing long years of dxing experiences, radio listening, propagation and DX-possibilities from South Asia. It will not be a reflector like DX India but like DX-window of the Danish SWCI. We should have some on this list who were members of the UADX before we stopped printing in the pre Internet era. Anyone interested, please contact me. Thanks. G. Victor A. Goonetilleke 4S7VK, "Shangri-La," 298 Madapatha Road, Piliyandala. Sri Lanka. Tel: +94 11 2614098. Mob: + 94 771953106; E-Mail: victorg@slt.lk. G mail: victor.goonetilleke@gmail.com. Skype: Victorgoonetilleke. (Goonetilleke via DSWCI DX Window)

World Radio TV Handbook 2010: Arrived today Dec 15 at 0900 hrs a.m. in my postbox at home. Mike Bethge of WWDXC dispatched the very first 50 copies from the WRTH distributor in Germany last night at 0630 pm local at Frankfurt/Main post office. Great service of German postal company. Now I'll sit down on the SOFA CORNER, to look your maximum performance product. (wb, Dec 15) Comment by Noel from Blackpool too: "...and it's very good once again. I think it is as up to date as any book can possibly be, and then it's up to us to keep it that way by noting the changes we read about. Computer technology now means that the book can be produced much earlier than it used to be. Mr. Frost did very well, though, when he managed to get it delivered for Christmas. (TopNews Dec 18)

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

73, Rich



Pirate Radio Report

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

Welcome to the January issue of the Pirate Report. It sure seems that 2009 flew by in a hurry. I think that 2009 was a great year for pirate radio with lots of activity as well as new ops to listen to. All indications are that 2010 will be a even better year for our chosen hobby.

To start out the New Year right I have a very special interview for you with Rinus of Cupid Radio in Holland. Cupid runs a pretty high end operation with a Fritzel FB33 a 3 element antenna which he has tuned up to 15.070 MHz with a SWR of 1:1. The antenna has a gain of 7.41 Db on top of a tower with a rotor. He beams his programs to every continent. He has a very interesting story to tell that I think most will enjoy.

When did you first become interested in pirate radio?

When I was about 10 years old my father was always building radio transmitters. I used to hang out with him in the radio barn but in those days I really did not have much interest in what my dad was doing but was fascinated with all the glowing vacuum tubes. He built a lot of transmitters for medium wave and on Friday evenings he would broadcast to other amateurs. My dad had a bunch of amateur radio friends that would come to our town on Saturdays to visit the record store in our town to buy all the latest hit records. On their way to the record store they would drive by our house and blow their horn. That would be the signal for my mother to have the coffee ready in 30 minutes for their return. They would stop on their way back to see what my dad had built recently and talk about radio. Of course at some point the beer started flowing and everyone had a great time during these visits.

It was at this time and during these visits that I began to develop an interest in radio and pirate radio in particular.

What inspired you to become an op?

My dad had a secret that I did not know about at the time but found out about later. There was a sheep barn at the back of our house, where they built a studio underground. To get into the studio they used a secret hatch what was hidden in the floor of the barn. There was only enough room for his radios, amps, and turn table and about three people. Because of the big transmitter with giant tubes it was extremely hot in there and in those days no one thought about a ventilation system. This studio worked for some years until one winter day my Dad opened the hatch and the studio had 3 feet of ground water in it. Everything in the studio was ruined by the water or high humidity trapped in the studio. Because of the damage and the fact that the Dutch FFC was becoming very active in the area my Dad disassembled all the gear.

Even today this is a story that is told when all the radio guys get together and it always brings a twinkle to everyone's eyes. Because the story is so amazing to me my adrenalin starts pumping and it really motivated me in the beginning to continue the tradition. Now years later

I have the pirate radio virus and as some of you know once that happens there is no turning back.

Was there any particular individual that inspired you?

Well father was first because he taught me how to build a pirate station. Also, I always admired a friend of my Dad's [the grey wolf] because he was always building the biggest amplifiers with the latest vacuum tube technology available.

Later when I started broadcasting on short-wave I came in contact with Alfalima and he really inspired me, especially to start broadcasting on 19 meters and 13 meters.

How would you describe your programming or programming style?

My programming is always a bit DX focused. It is great to see where the signal comes down.

Normally I broadcast live and the fun of this type of broadcasting is that you never know who will be listening and in what part of the world they live. When I get reception reports or audio recordings of my signal via email during a broadcast I like to read the reports on the air for all to hear.

Is there something in particular that you hope to accomplish with your operation? Or in short why do you do it?

Why I do this, is hard to describe but it makes me feel very good when I am on the air. I also enjoy it when my listeners feel good listening to my programs. I think that my radio programs offer an escape for all the pressures of our busy lives.

If you wanted to deliver a message to your listening or would-be listening audience what would that be?

Continue listening to free radio, keep on posting on forums, and recording audio and sending out those reception reports. Without you the listener we would have to find another hobby. Without the listeners this hobby would not be much fun and therefore there would be no reason to continue to broadcast.

Which pirate stations do you enjoy listening to and why?

I always find it fun to listen to Alfalima. I can listen to Radio Spaceman for hours.

I really enjoy listening to these stations.

Are there any pirate operators/stations that you admire and why?

1. Radio Spaceman is from the countryside as I am so I can relate to him as well. I also like his music selections, lots of rock and roll.

2. Alfa Lima international was one of my favourites; unfortunately, he is no longer active. But I always liked his smooth talk, good English, and his Texas cowboy accent.

3. Channel Z from the USA, I really like that this op is using the higher frequencies and tries to TX to Europe, I have heard him a few times on the 19 meter band here in Holland.

Thank you Rinus for the interesting interview and story.

And now to the logs

Channel Z, 6264.20, 1825-1840, Dec 13, Christmas Show with pop Christmas music. ID. Blue Ridge Summit mail drop & email address for reports. Very good here in Pennsylvania. (Alexander-PA)

Chainsaw Radio, 6925 USB, 0039 - 0122, 12/9 - 10/09. Program of solo piano music, noodling on the piano, rock music, something about a chainsaw, nonsense babbling, Spanish and English talk and loops, maniacal laughing, boinging and babbling, a couple of possible IDs, and finally ending at 0121 with "I got a chainsaw here at Chainsaw Radio. I'm dangerous." Buzz, buzz. 0122, off. Fair with voices somewhat poorly modulated. I received a nice e QSL 2 days later from a report in FRN. (Taylor-WI)

Outhouse Radio, 6925U 2341-0002* *0007* 12/4/09 SIO=242/141. Prgm largely of country rock and country folk w/singers such as Johnny Cash. Came back on five minutes after QRT to ID and to say that they forgot to ID during the bcst. (Zeller-OH)

Radio Free Euphoria, 6925 USB, 0435-0447, Dec 19, ID, Novelty music. Pop Christmas music. Good signal. (Alexander-PA)

R. Free Euphoria, 6925U 2203-2224* 12/20.09 SIO=242+. Captain Ganja w/his Christmas show. Discussion by two OMs at first, incl a complaint that someone stole his drugs. Mostly Christmas

tunes otherwise, but they did have Tiny Tim singing the Beatles' "Nowhere Man." At QRT, somebody shouted, "Jamba, Jamba, Jamba." (Zeller-OH)

Radio Ga Ga, 6925U *2209-2216* 12/12/09 SIO=242. "This is R. Ga Ga" ID by OM at open. Prgm of rock mx by Creedence Clearwater Revival and other bands. SSTV digital bcst at close. (Zeller-OH)

The Crystal Ship, 5335.4 AM, 2200-2202* 12/20/09 SIO=242+. Just caught the end of a bcst w/the USSR NA by chorus. (Zeller-OH)

Voice of the Robots, 6925U, 0058-0104 11/29/09 SIO=141+. Short prgm of Xmas mx and rock mx. Weak level, but hrd clear voiceoftherobots@gmail.com addr by OM. (Zeller-OH)

Weak Radio, 6925 USB, 1050-1100, Dec 18, rock music. ID. Very good. (Alexander-PA)

Wolverine Radio, 6925U *0156-0247+ 11/29/09 SIO=242/343. Prgm of rock mx by Jefferson Airplane, Beatles, Steely Dan, and other more obscure artists. Clear OM IDs at 0203 and at 0232, but no addr ancd. (Zeller-OH)

WWVK (WV Parody)- 6925U *2206-2255* 11/25/09 SIO=242. Started w/Wild Thing by the Troggs. Into a parody of WV w/audible time pips, which has updated its image with promo slogans such as "all the time, all the time" and "for the time of your life, we'll be back in a minute." Then into a prgm of rock mx. WWVK ID at 2217. No addr ancd. (Zeller-OH)

X-ray Radio, 6930 AM, 1050-1110, Dec 18, ID. Re-broadcasting "Cutting through the Matrix" program with talk about world order. Email at (Alexander-PA)

Voice of Frank, 6925 USB, 0150-0157*, Dec 20, man hosting Christmas program with "I Saw Mommy Kissing Santa Claus", IDs, e-mail address (voiceoffrank@gmail.com), Spike Jones music at closedown. Good signal. (D'Angelo-PA)

Euro Pirates

15070.3, **Cupid Radio**, 1455-1510+, Dec 19, ID. Rock music. Acknowledged listeners' reports. Poor to fair. Occasional peaks up to a good level. (Alexander-PA)

Mystery Radio, 6220AM 12/6 2349-0000* A fair signal for once. A show of varied music, thirties style, eighties dance and some funk. Id at 2350. (Majewski CT)

Mystery Radio, 6220AM 12/3 2318-0000* The usual poor signal, but listenable on my E1 and Radio Systems EMF indoor antenna. The show was Eighties tunes like "Grease is the word" and Female vocalist doing "Strangers in the Night". Id at 2339. (Majewski CT)

QSLs

Chain Saw Radio, Radio Ronin Shortwave, X-Ray Radio, CHIP

Happy New Year Everyone!



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



"Alex Atroushi" <party@kdp.se>
11/13/2007 06:15 PM

To: <rdangelo@firstenergycorp.com>
Cc:
Subject: RE: Reception Report: Voice of Iraqi Kurdistan on 6,335 kHz (Salab al Din)

Thank you Richard D'Angelo

This is a conformation that you have reached our Radio station VOK (Voice of Kurdistan)

Radio "VOK" is the first free radio for the Kurds. It was established in Sep 28-1963 during the September revolution of the Kurdistan. The radio station was formed with the order of the KDP president Mustafa Barzani, the leader of September revolution. At the beginning, the equipment's used were a number of old military wireless sets joint together to form a short wave sender. The center of broadcasting was a cave deep in a Kurdistan mountain Salah-Addin north of Erbil. The radio station was a target of Iraqi air force for many years. A number of technician, editors and guards were killed by these air attacks. The radio was and is still running by the KDP. The Program of "VOK" consists of News, opinion of KDP, Kurdish culture and music.

Please feel free to contact us again for any further assistance. Good Bye and have a nice time.

I hope everyone got what they wanted over the holiday season. Not very much to report for this month. So lets get right into the Column.

JAPAN: Radio Nikkei 3925
via **Nemuro** f/d cd. in 15 ds. for an English report and US \$2.00. The QSL card depicts "55th Anniversary of the radio station" and it shows a picture of the station building. (Tilley-WA).

NEWFOUNDLAND: CKZN 6160
Canadian Broadcasting Corporation f/d folder card in 28 ds. for an

STATION NOTES: All India
Radio 4950 via Srinagar v/s Y.K. Sharma.

Addr: All India Radio, Spectrum Management & Synergy, Akashvani Bhawan, Sansad Marg, 110001 New Delhi, India. **Voice of the Islamic Republic of Iran** 9905 (Spanish transmissions) Email: spanishradio@irib.com **NHK Radio Japan** 17585 for the Japan Short Wave Club Program World Interactive. v/s DXer Ohtake. Addr: Toshimichi Ohtake, 5-31-6 Tamawawa, Kamakura 247-0071, Japan. **Radio Nikkei 3925** Addr: 9-15 Akasaka 1 Chome, Minato-ku, Tokio 107-8370, Japan WEB: www.radionikkei. **Radio Shiokaze** 6045 FAX: 03-5684-5059. WEB: www/chosa-kai.jp Addr: 2-3-8-401 Koraku Bunkyo Ward, Tokyo 112-0004, Japan. Email: chosakai@circus.ocn.ne.jp ...via PLAY DX...Sam.



WE HEREBY VERIFY THAT Richard A. D'Angelo

LISTENED IN TO RADIO UKRAINE INTERNATIONAL

ENGLISH LANGUAGE BROADCAST ON

4 January, 2008 at 00:54 - 02:05 ..

ON 7440 kHz

Radio Ukraine International

English report. The QSL card displays a detailed map of Newfoundland and Labrador. I also received a listing of CBC radio frequencies and various station stickers. (Tilley-WA).

There have got to be more of you out there. See you next month

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	TenTec RX-340 AOR AR-7030 100' LW
Scott BARBOUR, Intervale, NH	NRD545, RX-350D, MLB-1, 200' Beverage
Mark COADY, Bridgenorth, ONT	Eton E-1, SPR-4, 70' LW, Kaito KA-35
Rich D'ANGELO, Wyomissing, PA	TenTec R340, Lowe HF-150, DX Sloper
Mick DELMAGE, Sherwood Park, AB	Racal RA17c, KLM 7-30 MHz
Gerry DEXTER, Lake Geneva, WI	NRD-545, TenTec 340, Mark MK-1 ant.
Jim EVANS, Germantown, TN	RX340, R8B, E-1, ICF-SW7600G, 30 m wire
Larry R. FLAITZ, Rochester, NY	Hammarlund HQ145X
Bob FRASER, Belfast, ME	Sony ICF-2003 ICF-SW100S 2m LW
Glenn HAUSER, Enid, OK	FRG-7, DX-398, SW-07, ATS-909, YB400 lw
Ron HOWARD, Asilomar Beach, CA	etv≥n E-1
William McGUIRE, Cheverly, MD	DX-380
Kevin MOLANDER, Martinez, CA	no equipment
Michael PERRY, LA, CA	No equipment listed
Dave REITZ, Reading, PA	Drake R8 w/100 random wire
Mark SCHIEFELBEIN, Springfield, MO	Perseus SDR, Wellbrook 330s ALA100M
Harold SELLERS, Vernon, BC	E-1
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
Jerry STRAWMAN, Des Moines, IA	R-8, Wellbrook 330s 1.1 m loop
Mark TAYLOR, Madison, WI	R-75, Sat 800, G313E, E1
Ed WLODARSKI, NJ	no equipment listed
Joe WOOD, Gray, TN	DX-390, Grundig Mini 100 PE, whip antenna 



Extend the
spirit of '73
support the
WDXHAC

Encore l'esprit
de '73,
appuyez la
campagne



HANDICAPPED AID CAMPAIGN - CAMPAGNE
AUX HANDICAPES - WORLD DX
RADIO CANADA
INTERNATIONAL
MONDIALE DX D'AIDE AUX HANDICAPES

Tropical Band Loggings

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

- 2310 **AUSTRALIA VL8A** Alice Springs 1235-1246 M in EE w/ ABC program feed; poor only one of the three VL8's audible on the trip; 12/15. (D'Angelo/FCDX-PA)
- 2325 **AUSTRALIA VL8T** Tennant Creek 1113 Pop mx w/ W ancr in EE between selections; p-f; //2485-poor; nothing noted on //2310; 11/13. (Barbour-NH) 1316 W interviewee in EE w/ country mx; only Aussie regional audible here this morning; poor; 11/28. (Taylor-WI) 0933-0948 W ancr in EE w/ ment. "ABC News" & nx re "coastal areas"; pop mx at 0937; bit of talk at 0945 into George Micheal "Faith"; ABC web promo & back to mx; weak/poor listening in ECCS-USB; //2485 Katherine-v. poor; 12/11. (Barbour-NH)
- 2485 **AUSTRALIA VL8T** Tennant Creek 1337 Country mx in EE; at 1342 a blob of noise which was slowly moving up in freq wiped out sig; poor until then; 12/12. (Taylor-WI)
- 2850 **N. KOREA KCBS** Pyongyang 1257 Operatic-style vcls by W; Weak but in the clear; pips to ToH were 1 second late; ancments followed by M & W ancrs exchanging statements w/ emphatic tone; faded fast after 1300; 11/30. (Strawman-LA)
- 2859.8h **COSTA RICA R. San Carlos** 0003 2 x 1430v; fair at peaks in SS; same for mx 0026 & at 0031 rapid DJ w/ ID in passing; nothing there at 0248 check; rpted to close awfully early around 0200, 8 pm lcl; 11/1. (Hauser-OK) 2859.82 0100-0150* 2nd harmonic: 2 x 1430v; SS pops/ballads; brief SS ancments; abruptly pulled plug at 0150; fair; also 1115-1135 w/ lively SS mx; promos; ancments & talk; ID at 1123 & SS ballads; 11/26. (Alexander-PA) 0115-0211* SS pop mx & talk; inspirational SS mx; abrupt s/off; a regular lately; fair w/ occ. peaks up to a good lvl; 12/11. (Alexander-PA)
- 3185 **USA WWRB** Manchester 0637 Blessed relief from WWRB, running O/C again instead of sked Brother Scare; but is anyone paying attention in Waltherboro or Manchester?; 12/6. (Hauser-OK)
- 3240 **USA WWCN** Nashville 2304 Would WWCN be testing on 60m this Saturday evening?; no, on regular 3240 opening Golden Age Radio Theatre w/ a Duffy's Tavern circa 1951 to be followed later in hour by The Haunting Hour; 11/28. (Hauser-OK) 0036 Ad stream; including one w/ WWCN prg sked "on this station"; back to talk re RFID chips are "the mark of the beast" from the book of Revelation in the Christian Bible; vg; WWCN seems to be planted here for right now; 12/10. (Taylor-WI)
- 3240 **SWAZILAND TWR** Manzini 0320 W w/ tribal singing; M ancr in listed Shona w/ mx & talk; 0325 "This is Trans World Radio" in EE; switch to Ndaup per sked; 12/4. (Taylor-WI)
- 3250v **HONDURAS R. Luz y Vida** San Luis 1133-1145 V. slow tempo, melancholy LA folk mx; fair; 11/30. (Wood-TN) 3250 1113-1120 M ancr w/ Bible reading in EE; W ancr w/ SS translation; fair; 12/5. (Barbour-NH)
- 3255 **S. AFRICA BBC** Meyerton 0354 (P); EE nx; 12/4. (Taylor-WI)
- 3260 **PNG-NEW GUINEA TERRITORY R. Madang** Madang 1347-1401* Best of the PNGs this morning w/ mx & Tok Pisin talk; 1359 M ancr w/ freqs & meter bands; 1400 instrumental NA & off at 1401; poor; 11/16. (Sellers-BC) 1244-1307 Group vcls hosted by M ancr; ID & nx at 1300; more mx from 1304; poor; 12/15. (D'Angelo/FCDX-PA)
- 3279.9 **PERU LV del Napo** Tena 0308 (P); M ancr in SS at sig peaks; v. weak; 12/4. (Taylor-WI)
- 3280 **CHINA V. of Punjiang** Shangai 1558-1600 (P); M ancr w/ talk; piano mx; (P) ancment; pips at ToH & (P) s/off; PWBR '09 & WRTH '09 rpt 1600*); best heard is SSB; QRN rustle; v. poor/barely audible w/ NIR12; 11/15. (Serra-Italy)
- 3290 **PNG-NEW GUINEA TERRITORY R. Central** Port Moresby 1238-1240 Lcl pop mx in Tok Pisin; similar to that heard from R. East New Britain-3385 at this time; threshold sig; 12/9.. (Evans-TN)
- 3309.98v **BOLIVIA R. Mosoj Chaski** Cochabamba 0900 & 0100 Noted here during bandscan; 12/13. (Wilkner-FL) 3309.98 0944-0958 W ancr; briefly between mx sex's; M ancr from 0946-0949; weak but clear until wiped out at 0958 by huge ute splatter via 3312; 12/6. (Barbour-NH)
- 3315 **PNG R. Manus** Lorengau 1402-1404* In EE w/ NBC s/off ancment w/ freqs & "On behalf of the National Broadcasting Corporation, wishing you a good evening"; NA; 11/28. (Howard-CA)
- 3325 **INDONESIA-KALIMANTAN RRI Palangkaraya** 2207-2224 Jakarta nx w/ remote rpts followed by Indo vcl selecx's hosted by M ancr w/ some Indo talk; weak; f/out; 12/14. (D'Angelo/FCDX-PA) [great catch!-ed.]
- 3329.5 **PERU Ondas del Huallaga** Huánuco 2340 Noted here during bandscan; 12/13. (Wilkner-FL)
- 3339.99 **HONDURAS HRMI** Comayagüela 1055-1105 SS relg mx; SS ID ancments at 1057; weak; poor; 12/5. (Alexander-PA) 3340 0245 Mx & ancments; fair; 11/16. (Flaitz-NY) 1146-1209 Inspirational mx starting out f-g; then fading to nothing shortly after 1200; fair; 11/30. (Wood-TN)
- 3345 **S. AFRICA Channel Africa** Meyerton 0321 (P); African nx items in EE; poor; 12/4. (Taylor-WI)

- 3365 **BRAZIL R. Cultura** Araraquara 0043-0100 (P); Lite PP pops & ballads; brief ancr at 0049; wiped out at ToH by big het via 3364; poor listening in ECCS-LSB; 12/1. (Barbour-NH)
- 3365 **PNG R. Milne Bay** Alotua 1354-1359* DJ in EE w/ phone numbers & ments. a prg on Sunday afternoon; pop song; 1359 went to a test tone; 11/28. (Howard-CA)
- 3385 **PNG-NEW BRITAIN R. East New Britain** Rabaul 1306 In Tok Pisin & EE; DJ w/ pop island songs; played number one hit of the "top 10"; the "Late Night Music" show; also w/ pops; off-the-air at 1348 re-check; almost fair; decent day for PNG; 11/28. (Howard-CA) 1233-1238 M ancr in Tok Pisin; lcl pop mx at 1235; poor w/ some ute QRM; 12/9. (Evans-TN) 1228-1304 M ancr hosting mx prg w/ EE talk; ID & ancments at 1230; string of ancments by children at 1238 followed by M ancr island mx; p-f; 12/15. (D'Angelo/FCDX-PA)
- 3810L **ECUADOR HD210A** Guayaquil 0126 Single time pips every ten seconds w/ vox ancments of the time in SS between; not heard here in a while; tnx S. Lare tip; f-p; 11/18. (Schieffelbein-MO)
- 3900 **CHINA Hulun Buir PBS** Hailar 1450 (T) Sounded like CC; lots of ham LSB interference; 12/14. (Herr-CA)
- 3925 **JAPAN R. Nikkei** Tokyo-Nagara 1056-1110 Ppo mx w/ JJ vcls; M ancr at 1100 w/ ID followed by nx bulletin; good; 11/21. (Wlodarski-NJ)
- 3945 **VANUATU R. Vanuatu** Port Vila 1006 M & W ancr w/ talk in unid. lang; poor but audible until 3947LSB ham net s/on a few minutes later, w/ your host "Bob" & a dogpile of op's just dying to talk about their rigs; lcl wx & sister's gout; as they do every day I've tried for Vanuatu since mid-October; do these people EVER take a day off?; 11/26. (Barbour-NH)
- 3975 **HUNGARY Hungarian Radio** Jazbereny 2220 Political intrvw; poor under ham QRM; 11/6. (Flaitz-NY)
- 3985 **CROATIA Hrvatski Radio** Deanovic 0445 Pop mx until (P) Croatian nx at 0500; fair w/ some HRO slop; 11/22. (Strawman-IA) 0037 IN Croatian w/ lcl vcl mx by W & W ancr w/ talk; poor; //7375; 12/4. (Coady-ONT)
- 3985 **N. KOREA** 1325-1331 Nothing extracontinental making it on 60m; but 75, 90 & 105m had fair sigs from here: 3985, 3912, 3480 w/ noise jamming against S. Korean clands; 3320 & 3250 in KK; 2850 in non // KK; 11/29. (Hauser-OK)
- 4220 **CHINA Qinghai PBS** Xining 2350 Central-Asian sounding mx w/ M ancr in listed Tibetan, taking calls between songs, cutoff in mid-song for pips at 0000 & ID w/ echo fx; always glad to see this one make an appearance this time of year; f-p w/ some ute QRM; 11/17. (Schieffelbein-MO) [nice catch, I too look forward to winter time CC regionals-ed.]
- 4319U **DIEGO GARCIA AFN** 2138 Dave Ramsey Show; military PSA's; fair w/ RTTY; I haven't heard these guys since I passed thru there on my way to the Gulf War; 11/16. (Flaitz-NY) 0028-0038 End of sports talk prg; "Armed Forces Network" in passing; "Face the Nation" at 0031 w/ members of Senate Armed Forces Committee re Bin Laden & Taliban; fair at best; 12/1. (Barbour-NH) 2220-2301 NPR News features followed by promos; during stn break at 2229 asked listeners to contact them re what medium they were being heard on; mentioning shortwave as one of the options; nx at 2230 followed by All Things Considered; fair; 12/4. (D'Angelo-PA) 1350 W ancr w/ NPR nx; down at noise lvl; improving by 1435; 12/14. (Herr-CA)
- 4409.86 **BOLIVIA Radio Eco** Reyes 2310 Noted here during bandscan; 12/13. (Wilkner-FL)
- 4451.12 **BOLIVIA R. Santa Ana** Santa Ana de Yacuma 2330-2345 The one noted here; 12/16. (Wilkner-FL) 4451.2 2312 Noted here during bandscan; 12/7. (Wilkner-FL)
- 4460 **CHINA CNR-1** Beijing 1344 Energetic ancr over mx; ad or ancment w/ sound fx; more energetic talk; fair; 12/12. (Taylor-WI) M ancr in listed CC; [date?-ed.](Dexter-WI)
- 4716.65 **BOLIVIA R. Yura** Yura 0930 & 2300 Noted here during bandscan; 12/13. (Wilkner-FL) 4717 0047 Barely there w/ SS mx & talk; 12/12. (Dexter-WI)
- 4746.87 **PERU R. Huanta 2000** Huanta Ayacucho 2300 Noted here during bandscan; 12/13. (Wilkner-FL) 4746.9 2347-2350 (P); M & W ancr occ. breaking through the noise; 11/18. (Evans-TN)
- 4750 **BANGLADESH Bangladesh Betar** Shavar 1109-1135 (P); M ancr w/ talk in unid. lang; bit of vcl mx; various ancns until wind instrument bit & W ancr at BoH; joined by M ancr; poor; 11/30. (Barbour-NH) 1120-1142 M & W ancns w/ talk & Hindi-like mx selec's; (T) jingle at BoH; poor; not //5030-CNR 1; GeoClock shows a nice greyline between NH & Bangladesh at this time; 12/1. (Barbour-NH) 1333 Nx in (P) Bengali; IDs; 1350 SC mx; pips & off at 1400; mixing w/ CNR-1; sorry to see them end their extended sked; 12/11. (Howard-CA)
- 4750 **INDONESIA-SULAWESI RRI Makassar** 1221 Prg of percussive mx w/ Indo ancr between selex's; 11/28. (Taylor-WI) 1351 Excited talk; thought maybe sports play-by-play tho a little late in evening for that; but 1352 changed to vcl mx; 1353 ment. Radio Republik Indonesia, Jakarta; s apparently a ntwrk prg; besides the co-ch. QRM under; (P) China but maybe Bangladesh; th was also some hum on the carrier; 12/13. (Hauser-OK) 2156-2203 Indo mx prg until M ancr at 2158; SCI at 2159 followed by Jakarta nx at 2200 w/ M ancr; v. poor; 12/13. (D'Angelo/FCDX-PA)

- 4754.9 **BRAZIL R. Imaculada Conceição** Campo Grande 2344-2350 M & W w/ PP relg talk; mx at 2345; more talk at 2350; poor; 11/18. (Evans-TN) 4755 0037 Checking for more possible WWCR tests; heard instead weak sig in Brazilian PP; M & W ancrs ment.. "bendita" (blessed); etc.; this is surely R. Imaculada Conceição, Campo Grande, Mato Grosso do Sul, which per Aoki is 10 kW non-directional; 11/24. (Hauser-OK)
- 4770 **NIGERIA R. Nigeria** Kaduna 0614-0627 Conversation by two M in lcl lang followed by a series of ancrments at 0618; talk by another M w/ ID at 0620; fair w/ ute QRM; 11/24. (D'Angelo-PA)
- 4775 **PERU R. Tarma** Tarma 0343 (P); SS acapella singing by M group; fair; 12/4. (Taylor-WI)
- 4775 **UNIDENTIFIED 0315** Based on earlier rpts this must have been WWCR [see below-ed.]; intrvw w/ some W who wrote an inspirational book; off abruptly mid-sentence at 0325; we do NOT want or need WWCR on 60m; 11/9. (Dexter-WI)[agreed! if they leave, see if they will take CODAR too!-ed.]
- 4775 **USA WWCR** Nashville 2230 Test txmission w/ dance mx & ID sequences; 4775@wwcr.com e-mail address; postal address & back to mx; extremely good; 11/21. (Taylor-WI) 2233 WWCR testing this freq instead of 4755 w/ ancrment asking for recepex rpts; back to mx; vg sig here; I did retune at 0630; 4775 was still/again on the air at S9+22 w/ hard rock mx (gospel?) & test ancrment at 0632; despite the huge sig from Nashville; could hear TADIL-A bonking underneath; trx J. Figliozzi tip; 11/21. (Hauser-OK)
- 4780 **DJIBOUTI RTD** Atta 0317 AA mx & W ancr; weak to fair; 11/18. (Dexter-WI) 1655-1718 HoA chants; AA ancrment at 1701; mx break & same M ancr w/ (P) nx until 1703; brief mx into ancrment & lcl string mx; best heard in USB w/ S9+15 of peak; increased fading & rustle after ToH; g-f; 11/19. (Serra-Italy) 0305 AA relg discussion; good; 11/20. (Flaitz-NY) *0300-0335 S/on w/ NA followed by Qur'an; AA talk at 0312; lcl HoA mx at 0327; good; 11/21. (Alexander-PA) 0330 Continuous AA talk by M; good on peaks; 11/22. (Strawman-IA) 0345 HoA mx segued until 0403; v. short ancrment by W; could not tell if it was an ID or not; back to segued mx; f-p; nice mx!; 12/4. (Taylor-WI) 2040-2101:30 AA talk; rustic lcl mx; s/off w/ NA; weak but readable; 12/10. (Alexander-PA)
- 4789.98 **PERU R. Vision** Chiclayo 0506-0546 M & W ancrs in SS; "loudspeaker" talk from 0527-0541 by M & W; frantic at times; diff.. M ancr w/ (P) ID; talk over mx; best heard in USB & LSB at times; fast QSB; rustle & crackle; poor w/ NIR12; 11/6. (Serra-Italy) 1052 (P); M ancr at length; then brief W; back to M ancr; quite animated; not in SS; Quechua?; guitar musical bridge; 1056 ancr from here on; 1101 slow Andean style ballad followed by M ancr w/ long talk; fair; 12/5. (Taylor-WI)
- 4796.49 **BOLIVIA R. Lipez** Uyuni 1000 & 2300 Noted here during bandscan; 12/13. (Wilkner-FL)
- 4800 **CHINA CNR-1** Geermu 2304 (T); M & W ancr in CC; 12/5. (Dexter-WI) 1055-1102 Presumed ad string w/ various ancrs & mx bits; pips at ToH w/ CNR "jingle" mx & ID; M & W ancr followed; //5030-Beijing; both poor; 12/7. (Barbour-NH)
- 4800 **MEXICO XERTA** Mexico City 0720 (P); V. weak mx w/ CODAR then W ancrment; too weak to be certain it was SS; (P) sporadic XERTA operating at very low power; 11/27. (Hauser-OK)
- 4805 **BRAZIL R. Difusora do Amazonas** Manaus 2322-2324 M & W ancrs in PP; poor; 11/19. (Evans-TN)
- 4815 **BRAZIL R. Difusora** Londrina 0050 M ancr & slow vcl mx; fairly good except for ever-present CODAR; which has seemed exceptionally strong this past week; [date?-ed.]. (Dexter-WI)
- 4820 **INDIA AIR Kolkata** 1215 (P); W ancr in Hindi w/ SC mx; poor; 12/15. (Taylor-WI)
- 4824.5 **PERU LV de la Selva** Iquitos 2340-2351 W ancr in SS w/ occ. Peruvian mx; poor w/ CODAR; 11/18. (Evans-TN) 2315 Noted here during bandscan; 12/13. (Wilkner-FL)
- 4830 **MONGOLIA Mongolian Radio** Altay 1329 In (P) Mongolian w/ patriotic sounding mx; 1336-1341 American talking about Mongolia in EE w/ W translating; followed by orchestra mx & back to Mongolian; clearly //4895; both weak; 11/26. (Howard-CA)[great catch! getting some imagination lvl audio at my QTH, when CODAR is silent, around 1200-ed.]
- 4830 **UNIDENTIFIED** 2305-2319 Three straight country songs; v. weak & barely audible on the MK-1 but much better on the Parker; there might have been a brief EE ancrment at 2319; then more country stuff; CODAR; 11/29. (Dexter-WI) 0320 I've been tracking this unid. all last week w/ out adding much of anything towards an ID; heard as late as 0320 playing "O come All Ye..." carol; followed w/ brief ancrment ending w/ "Merry Christmas"; then a Xmas pop vcl (Elvis?); similar ancrment by M; another Xmas secular thing & so on; at times the ancrment may have included a ment. of the letter "W" & always ended w/ "Merry Christmas"; heavy CODAR & occ. ute QRM; ... down in the mud & sometimes I could not be sure there even was one
n 12/8 w/ the same format; also 12/10-2258, 12/11-0500, 12/12-0038
it the same lvl; always w/ a mix of Xmas carols & secular songs & a brief
arely modulated; always w/ strong CODAR; 12/7. (Dexter-WI)
- ngtok** 1434-1457 Mostly SC mx; sounded to be in Hindi; at 1531 could
m Delhi; //4760, 4775, 4810, 4880, 4895, 4910, 4920, 4940, 4950, 4970,
50, 9425 & 9470; a phenomenal day for AIR recepex; 12/4. (Howard-CA)[I

- 4835.4 **PERU R. Maranon** Jaen 2334-2346 Non-stop Peruvian mx; threshold lvl sig; weak but above the noise most of the time; 11/18. (Evans-TN) 4835.42 0940m & 0000 Noted here during bandscan; 12/13. (Wilkner-FL) 4835.46 1036-1051 Peruvian mx; SS ancments; ID; weak but readable w/ CODAR; 11/20. (Alexander-PA)
- 4850 **INDIA AIR Kohima** 1351-1401* Lcl nx in EE; ID "This news comes to you from All India Radio Kohima"; sports nx "Football. In the city where the final match of the 18th...Gold Cup, in Kohima..."; disappointed they did not continue on w/ their nice mx prg that usually follows after the nx; their sked now varies a lot from day to day; 11/21; off-the-air 11/22. (Howard-CA) 1259 Back again after being off-the-air yesterday; lists freqs & detailed prg sked; lcl singing/chanting; 1340 nx in Hindi followed w/ same nx in EE w/ items about happenings in Nagaland; Kohima is the capital city of Nagaland; 1400 into EE prg w/ hard rock mx; lcl IDs; 11/23. (Howard-CA) 1300 Prg sked in Hindi & EE; sports segment in EE explaining about basketball; into Hindi; 1340-1400 lcl nx & wx in Hindi; followed by same items in EE; Arabinda Rajkhowa turned over to India at the India-Bangladesh border; 4th day of Hornbill Festival "Festival of Festivals"; fire destroyed some shops in Kohima; Defense Minister Shri AK Antony will arrive in Kohima tomorrow to visit the Hornbill Festival; etc.; started out weak but was almost fair at their 1400* s/off; 12/4 & 5. (Howard-CA) 1311-1402* Usual format w/ songs in EE for lcl talent prg; 1315-1340 usual segment in Hindi dealing w/ issues in Nagaland which starts & ends with unique indigenous stringed instrument; today consisted of a series of recorded speeches in EE given in Kohima on 12/1 for World AIDS Day; theme was "Universal Access and Human Rights"; almost fair recep; irr. sked; 12/7-8 & 12. (Howard-CA) 0142-0210 W anc w/ long talk in Hindi; p-f; 12/14. (D'Angelo/FCDX-PA)
- 4857.37 **PERU R. La Hora** Cusco 2250 Noted here during bandscan; 12/13. (Wilkner-FL)
- 4865 **BRAZIL R. Alvorada** Londrina 2324-2334 (P) W anc in PP; moderate sig w/ slight het; also heard on 11/18 w/ what sounded like another PP lang stn under it; slightly lower in freq at 4864.78; 11/19. (Evans-TN)
- 4880 **INDIA AIR Lucknow** 1221-1231 Indian mx; Hindi ancments by M at 1227 followed by more mx; poor but readable w/ fading; 12/9. (Evans-TN)
- 4885 **BRAZIL R. Clube do Para** Belem 0515 Fast paced LA mx; fair; 12/5. (Wood-TN) 0540 Pop mx; vg; 12/8. (Flaitz-NY) 4885.01 0418-0429 M anc in PP w/ enhanced IDs & freq; mx prg w/ lcl ballads & slow songs; brief ancments w/ IDs at times; best heard in USB w/ strong audio; het & lite CODAR; crackle at times & mild rustle; good; 11/12. (Serra-Italy)
- 4895 **INDIA AIR Kuresong** 1305-1324 Song of India theme at 1311:11; fair; stronger than CODAR; peaking to good by 1324; 11/15. (Strawman-IA) 1305 S. Asian pop mx w/ brief chat from W anc between songs; fair; 11/16. (Schiefelbein-MO) 1311-1320 Happened to catch IS; do not believe they were actually s/on; SC mx in Hindi; mixing w/ (P) co-ch. Mongolia; 12/2. (Howard-CA) *1130 IS; W anc w/ s/on ancment into Hindi mx; anc at 1135; v. weak listening in ECSS-USB; not much to work w/; 12/10. (Barbour-NH) 1224-1237 Nice prg of flute mx & Hindi vcls hosted by W anc; poor w/ some CODAR; 12/14. (D'Angelo/FCDX-PA)
- 4905 **TIBET Xizang PBS** Lhasa 2353-0000 W anc in Tibetan; slow CC pops at 2355; ancments at 0000 then more talk; moderate sig; the best on this freq in some time; declining after 0000; also noted on 4820 w/ somewhat weaker sig & similar prg; tho not //; checked listed //s for both freqs; but nothing heard; 12/4. (Evans-TN) 2155-2212 Instrumental mx followed by M anc in (P) Tibetan followed by more indigenous mx; poor; //4920-weak; 12/14. (D'Angelo/FCDX-PA)
- 4910 **AUSTRALIA VLST** Tennant Creek 2321 DJ playing country things & TC; mixing w/ a 5070 spur or whatever; 11/29. (Dexter-WI)
- 4910 **INDIA AIR Jaipur** 0201-0241 W anc w/ Hindi talk prior to Hindi vcls prg; M & W anc at 0213; more vcls followed at 0214; ID at 0230 followed nx; p-f w/ slight CODAR; 12/14. (D'Angelo/FCDX-PA)[nice catch-ed.]
- 4910s **USA WWCR** Nashville 0012 WWCR difference mix; 9980 minus 5070; w/ mx & talk respectively; poor sig QRMing CODAR; by now, 9980 itself fading down; no longer the daytime supersig; making 4910 more likely to be a genuinely txmitted mixing product rather than receiver overload; & many others have rpted WWCR 4910; no sign of 4755 lately; seems to be regular on 3240 now; tho maybe still experimental as some have heard them asking for rpts on that; 11/21. (Hauser-OK)
- 4914.97 **BRAZIL R. Difusora de Macapa** Macapa 0442-0500 M anc w/ PP mx & talk; ment. Radio Difusora; ID ment. Macapa w/ freq at 0458; best heard in LSB w/ lite CODAR; strong static crashes & fast QSB; almost fair-poor w/ NIR12; 11/4. (Serra-Italy) 0336-0404 Lcl ballads; brief ancments & chorus jingles at times; ID at 0354 as R. Difusora; M anc w/ freq & clear IDs: "Radio Difusora de Macapa...Macapa, Brasil!"; back to mx; best heard in USB w/ S9+5 of peak & strong audio; fast QSB; rustle & crackle; fair-almost good; 11/22. (Serra-Italy) 4915 0608 ID & ads; good; 12/8. (Flaitz-NY)

- 4920 **INDIA AIR Chennai** 1230 S. Asian mx; ID; M ancw w/ EE nx; fair; 11/28. (Taylor-WI) 0126-0145 W ancw in Hindi followed by selectx of flute mx; more talk by two W; ancments & more mx; poor; 12/15. (D'Angelo/FCDX-PA)
- 4920 **TIBET Xizang PBS** Lhasa 2329 M ancw in listed Tibetan; later a W ancw; f-g in noise; 11/29. (Dexter-WI) 1114-1132 Ancw w/ talk in listed Tibetan between mx selectx; (P) ID at BoH; fair at best & improving; //4905-poor; 12/7. (Barbour-NH)
- 4925 **BRAZIL R. Educadora Rural** Tefe 2258 M ancw in PP; fair w/ several other channels noted weakly or too badly QRM'd; 11/16. (Dexter-WI) 2256 M ancw in PP; CODAR; 12/7. (Dexter-WI) 4925.2 2338-2349 M ancw in PP; over guitar mx at 2348; poor w/ moderate CODAR; 11/9. (Evans-TN)
- 4930 **BOTSWANA VOA** Moeping Hill 0349 VOA Nx; vg; 11/17. (Flaitz-NY) 0357 (P); Roots mx; poor; 12/3. (Taylor-WI)
- 4940 **CHINA V. of Taiwan Strait** Fuzhou 1500-1530 Pips; briefly in CC; into EE; ID that seemed to be live: "This is Voice of Taiwan Strait"; "Focus on China" theme mx; believe their old canned intro: "This is the Voice of Strait, Fuzhou, China", "Hello everyone. Welcome to our program Focus on China. This is Gary...for the next half an hour we are going to bring you important news..."; nx items re CC w/ musical bridges between items; "This is the Voice of Strait. This is Focus on China... For further details of China, please write to PO Box 187, Fuzhou, China. The zip code is 350012"; light QRM from AIR Guwahati; v. nice to be able to make out many of their nx items on this prg that is only b/cast on Sunday; 11/22. (Howard-CA) 1500-1530 "This is the Voice of Taiwan Strait"; prg on Sunday only; "Focus on China"; nx item re Chinese pop star Zang Tianshuo being sentenced on Friday by the Beijing Municipal No. 2 Intermediate People's Court to six years in jail for inciting a group to violence; which resulted in a street battle that left one person dead & three injured; pandas "Wang Wang" & "Funi" were flown to Australia, Adelaide Airport; promo for China "Have you ever been to China?"; etc.; light AIR QRM; 11/29. (Howard-CA) 1247-1250 W ancw in CC; poor; just above noise; 12/9. (Evans-TN)
- 4940 **INDIA AIR Guwahati** 1245 S. Asian mx w/ M ancw in Hindi; fair; 11/28. (Taylor-WI) 1307 NA; W ancw in Hindi; 12/5. (Taylor-WI) 1137-1202 (P); Ancw w/ brief talk in vern. between mx selectx; W ancw at 1145 & more mx; again at ToH tho too weak by then for any chance of ID; f-p; becoming choppy w/ advancing NH sunrise; 12/7. (Barbour-NH) 1210-1241 M w/ Hindi vcl accompanied by flutes; W ancw in Hindi; more exotic flute mx; poor; 12/14. (D'Angelo/FCDX-PA)
- 4949.8 **ANGOLA R. Nacional de Angola** Mulenvos 2347-0016 M ancw in PP followed by vcl selectx; pips at 0000 followed by nice ID & M ancw w/ nx; mx fanfare; canned ID & mx prgming at 0005; poor & somewhat over modulated; 12/13. (D'Angelo/FCDX-PA)
- 4955 **PERU R. Cultural** Amauta Huanta 2325-2336 Relg talk in Quecha by M w/ an occ. few bars of lcl mx; a minute of slow mx at 2332; then more talk; poor but holding steady just above the noise; 11/18. (Evans-TN)
- 4965 **ZAMBIA CVC** Lusaka 2252-2325 Inspirational vcls w/ jingle ID at 2300 followed M ancw w/ EE ancments & ID followed by more inspirational vcl selectx; fair; 12/13. (D'Angelo/FCDX-PA)
- 4970 **INDIA AIR Shillong** 1602 In EE w/ an address to the nation by the Chief Justice of India, K.G. Balakrishnan on the eve of National Law Day; after the address; played EZL pop mx; 1629 s/ off ancments in EE & Hindi; off-the-air at 1630; 11/25. (Howard-CA) 1537-1550 W ancw in EE w/ nx; "...AIR correspondant..(?)..has this report; also "...the news service of AIR.." mention of URL & "...before we close the headlines once more.."; p-f w/lots of fading; 11/29. (Molander-CA) 1403-1508 1435 Western mx show "Golden Classics"; 1403 12/11/09 EE "documentary" re Meghalaya Cement Limited factory w/ many interviews w/ workers & management; promo for AIR; request prg of western mx w/ many requests from listeners in Nagaland; 1508 "Live Wire" show w/ some Xmas mx; all of these would have had outstanding recepex except for the prominent hum; but still enjoyable prgming! 12/10-12. (Howard-CA)
- 4975 **TAJIKISTAN VOR** Yangiyul 1517 EE talk; weak; 12/11. (Howard-CA) 1215 (P); W ancw in Pashto; about 15 sec. dead air into diff. W ancw; (P) change to Dari; fair; 12/12. (Taylor-WI)
- 4975.96 **UGANDA UBC** Kampala 2010-2017 Afropop songs w/ some muffled talk in vern. by M ancw; best heard in SSB w/ S9+15 of peak; fast QSB & rustle; almost fair; 11/15. (Serra-Italy) 4976 2104-2106* Brian Adams ballad in EE followed by W ancw over mx; pulled the plug during talk; fair; 11/9. (Barbour-NH)
- 4980 **CHINA Xinjiang PBS** Urumqi 0204-0212 (P); Alternating M & W ancws in unid. lang; listed Uighur; brief mx bit at 0210 & back to talk; buried under band noise & at times, heavy splash via 4985-Brazil; v.poor listening in ECCS-LSB; 12/5. (Barbour-NH)
- 4985 **BRAZIL R. Brazil Central** Goiania 2312-2316 Ancments by M ancw in PP followed by W over pop mx; just mx after 2315; good sig; the best in months; 11/19. (Evans-TN) 0313- 0336 Slow song; chorus jingle & M DJ w/ ancment at 0318; one ballad; IDs & ancments 0324-0327: "Radio Brasil Central!"; then cont. mx prg w/ the Brazilian version of the Italian song "Non amarmi"; ballads; best heard in USB w/ fast QSB; increasing static; almost fair; 11/22. (Serra-Italy) 0510-0534 PP pop vcls; M ancw in PP; several jingle stn IDs & ancments; more pops w/ stn ID jingles; fair; 12/3. (D'Angelo-PA) 0550 Pop mx; fair; 12/8. (Flaitz-NY)

- 4990 **INDIA AIR Itanagar** 1415-1420 Nx in Hindi; 1420-1425 lcl nx in EE which starts w/ lcl ID; poor reception due to QRM from PBS Hunan; 11/21. (Howard-CA) 1502-1511 In EE w/ review of the activities of Parliament; mostly dealing w/ workers issues of wages; medical compensation; etc.; 11/25. (Howard-CA) 1407 In EE w/ cricket scores; into Hindi w/ SC mx & nx; 1420 musical fanfare; "Good evening. This is All India Radio Itanagar"; EE nx; "Now news from the national front"; sports scores; wx; 12/4. (Howard-CA)
- 4990 **PERU R. Manantial** Huancayo 0045-0051 M & W ancrs in SS; near fair listening in USB; 11/6. (Parker-PA)[ID? last rpted on 4991v, April 09-ed.]
- 4990 **SURINAME R. Apinte** Paramaribo 0420 (T); Vcls & lots of bongos but little, if any, talk; poor; up to fair when the noise briefly subsided; 12/3. (Dexter-WI) 0319-0352 Pop mx prg featuring Jennifer Warren/Joe Cocker duet plus many other romantic songs; ID by M ancrc at 0345 followed by Dutch ancment; more pop mx; fair; 12/14. (D'Angelo/FCDX-PA)
- 4996 **RUSSIA RWM** Moscow 1250 Continuous time pips in diff. formats every 10 minutes; eventually including one minute w/ a string of R-W-M IDs in Morse code; //9996 also heard w/ better sig; fair w/ QRM from 5000-WWV; 11/16. (Schiefelbein-MO) 0627 Binary timecode sigs; maybe at the rate of 10 per second?; seems txmitted in straight CW; 0630 into solid carrier; quite weak but separable from WWV; surely RWM Moscow; 11/20. (Hauser-OK)[nice catches-ed.]
- 5000 **CHINA BPM** Linshan 1330 Time standard str; ID in code under WWVH-Kaui; 12/14. (Herr-CA)
- 5000 **HAWAII WVVH** Kekaha 0540 Rare log of this str at my QTH; W w/ recorded time ancments under & ahead of WWV-Boulder; poor; 12/5. (Wood-TN)
- 5000 **UNIDENTIFIED** 1318:30 Right after the WWV propagation info finished at 18 past the hour; circa 1318:30; I heard a bit of CW; but not prepared to copy; I wonder if this is when BPM China identifies; must be alert for it again; 5030 was in well from Beijing; 12/3. (Hauser-OK)
- 5005 **EQ. GUINEA R. Nacional** Bata 2247-2306 Non-stop Afropops; anthem 2301:57-2305:03 then off; best heard in SSB w/ lite, fast QSB; good; 11/6. (Serra-Italy) 0543-0545 Mx, sig to 30dB; much improved since end of Oct.; 11/12. (Parker-PA) 2202 M w/ SS song; weak in noise; 11/16. (Dexter-WI) 2215 Pop mx; fair; 11/16. (Flaitz-NY) *0504-0520 S/on w/ lcl African mx; SS ancments; weak but readable; 11/21. (Alexander-PA) 2250-2301* African choral mx; s/off w/ NA at 2258; weak but readable; 11/26. (Alexander-PA) 0532-0546 M ancrc w/ nx in SS; ID followed by vcls; p-f; again 2258-2302* ID & s/off ancments followed by orchestra NA; 12/3 & 4. (D'Angelo-PA) 2245-2302* Europop mx & SS ancments; s/off w/ long NA at 2259; poor in noisy condx; 12/4. (Alexander-PA)
- 5005 **UNIDENTIFIED** 1140 Weak carrier w/ hints of audio at imagination lvl; v. poor; possibly Nepal w/ nice greyline to NH?; 11/30. (Barbour-NH)
- 5010 **DOMINICAN REPUBLIC R. Cristal Int'l** Santo Domingo 2310-2350* Nice prg of lively Dominican vcls hosted by M ancrc in SS; sometimes over the end of the songs; off suddenly after a song; p-f; 12/14. (D'Angelo/FCDX-PA)[great catch-ed.]
- 5010 **INDIA AIR Thiruvananthapuram** 1254 M & W ancrcs, at length, in Hindi; fair; //4965 Shimla-poor; 4970 Shillong-poor; 11/28. (Taylor-WI) 0145-0213 M & W ancrc in Hindi; later nice flute mx was heard; poor; 12/14. (D'Angelo/FCDX-PA)
- 5010 **MADAGASCAR RTV Malagasy** Antananarivo *0230-0303 S/on w/ up-beat, folk-like mx in (P) Malagasy; followed by a variety of continuous mx; choral, ballads, pop-like; until 0256 when instrumental loop (IS?); choral anthem at 0258; then ID ancment at 0300 into acoustic mx; fair in reduced carrier USB; 11/27. (Barbour-NH)
- 5010 **UNIDENTIFIED** 0135-0143 M talking at peaks of a sig which poked itself out of the static floor for a half minute; every couple of minutes; sounded like a prepared talk rather than a 2-way conversation; in a romance lang; but I could not say which one; SS or PP were top runners; I could see the sig on the G313's spectrum scope until about 0145; sig did not reappear by 0200; 12/5. (Taylor-WI)
- 5020 **SOLOMON ISLANDS SIBC** Honiara 1337 EE nx from BBC; fair; 11/15. (Strawman-IA)
- 5030 **BURKINA FASO R. Burkina** Ouagadougou 2320-2359* Rustic tribal mx; vern. talk; vcl rendition of NA at 2358 & off; weak but readable at 2320; improved to fair by s/off; stronger than usual; 11/19. (Alexander-PA) *0529-0555 S/on w/ vcl NA at 0529; test tone prior: 0520-0529; opening FF ancments at 0530; lcl African tribal mx at 0531; f-g; much stronger than usual; 11/21. (Alexander-PA) 2325 (P); W ancrc w/ likely call-in by a man; fair w/ 5025-Rebelde QRM; 11/26. (Taylor-WI) 0622 RTB is doubtless the reactivated strn here; but tough copy against Cuba-5025 splash; definitely FF talk; mixed w/ mx; 12/1. (Hauser-OK) 2324-2359* M ancrc in FF hosting a prg of hi-life vcls; ID; closedown ancments & orchestra NA; f-g; 12/4. (D'Angelo-PA) 2340-2400* Lcl tribal mx; Afropop; vernacular talk; s/off w/ NA; weak; poor; 12/10. (Alexander-PA) [UTC?-ed.] M & W ancrc in FF w/ an cc. mx bit; good; [date?-ed.]. (Dexter-WI)
- 5030 **CHINA CNR-1** Beijing 1256 W ancrc in CC talking over contemporary instrumental mx; good; holding its own against 5025-Rebelde; 11/28. (Taylor-WI) 1520 Still audible in CC as late as 1520; eased by weakening Cuba-5025 & usual fast SAH which I can only assume is Malaysia Sarawak;

- always underneath; //4460-not audible; 12/2. (Hauser-OK) 1138 M & W ancns in CC over mx w/ short items; some back & forth banter; the second time recently that CNR-1 has been equal or stronger than neighboring Rebelde in this time slot; S9+10 but a bit fluttery; 12/5. (Taylor-WI) 1333 End of ad string or ancments; W ancncr in CC; vg; dominating Rebelde-5025; 12/12. (Taylor-WI)
- 5035 **BRAZIL R. Aparecida** Aparecida 0321-0325 M ancncr in PP w/ inspirational mx; 40dB sig; g-exc.; 11/7. (Parker-PA) 0407-0417 (P); Slow song; M ancncr in PP; brief ballad & back to ancncr; best heard in USB w/ fast QSB; rustle & crackle; poor; 11/22. (Serra-Italy) 5035.1 0337-0346 Ad string in PP; canned ancncr w/ several ment. Aparecida; "breathless" M ancncr at 0340; (T) ID at 0344 & brief talk into mx; f-p; 11/28. (Barbour-NH) 0118 (P); W in PP w/ a rather long talk; musical bridge; M ancncr w/ same; fair; 12/5. (Taylor-WI) 0436-0503 M ancncr in PP followed by soft inspirational vcls by M & W; W ancncr w/ canned ID at 0447 before another M began a sermon-like talk; more mx & relg talks until formal ID at 0500 followed by some ancncments; fair; 12/5. (D'Angelo-PA) 2210 M & W ancncr; fair at best; [date?-ed.] (Dexter-WI)
- 5039.4 **PERU R. Libertad** Junin 1032-1050 Lcl type SS mx; ID at 1034; TC & ID at 1040; p-f at times; 11/21. (Wlodarski-NJ)[nice catch-ed.]
- 5040 **INDIA AIR Jeypore** 1632-1648 Non-stop Indian bow sounds & percussions; best heard in USB w/ fast QSB; rustle w/ crackles at times; almost fair-poor; //4910 Jaipur-poor; 4920 Chennai-almost fair w/ co-ch. Tibet. & //5010 Thiruvananthapuram-fair w/ (P) light, co-ch. Madagascar; 11/15; (Serra-Italy) 1316-1540 Coverage of the T20 cricket match between India & Sri Lanka; in EE & Hindi; presentation of Man of the Match to Kumar Sangakkara, winning captain of the Sri Lanka team; coverage in EE & Hindi of the 2nd T20 cricket match played in Mohali; broke away from time to time for nx & ads; cmntary on the match & fans calling in; went back to live coverage; 12/9 & 12. (Howard-CA)
- 5044.98 **BRAZIL R. Cultura do Para** Belem 0256-0312 Mx prg w/ slow songs & ancncments at times; "Cultura..." ID ancncr at 0258; more IDs 7 freq at 0310; best heard in LSB w/ S9+10 of peak; fast QSB; increasing static; fair; 11/22. (Serra-Italy) 5045 0523-0604 M ancncr w/ exc. mx prg w/ blues, jazz & hi-life; enormous 90dB sig & "pin drop" audio quality; 11/6. (Parker-PA) 0325-0329 M ancncr in PP w/ mx; 70dB sig pounding in w/ exc. audio; 11/7. (Parker-PA) 0314 Ment. of stn name; right into another vcl; this one should be a regular; 11/18. (Dexter-WI) 0910-0930 Mx prg w/ various styles; ID at 0915; exc.; 11/21. (Wlodarski-NJ) 0608-0620 Continuous Brazilian pop vcls w/ vg sig; noted them previously 11/15 at 0704 w/ same format but w/ M ancncr in PP w/ ID & ancncments; 11/24. (D'Angelo-PA) 0131 (P); Mellow samba mx in PP; poor; 12/5. (Taylor-WI)
- 5050 **CHINA V. of Beibu Bay** Nanning 1140-1204 In Vietnamese; either CC or Thai & EE; M ancncr w/ mellow mx at 1147; 1150 ID sequence in Vietnamese, tonal lang-probably Mn[?-ed.] but skeds note Thai at this time; & EE; mellow instrumental; 1159 ID & ancncments over theme mx; 1200 four pips; W ancncr; f-p; 12/5. (Taylor-WI)
- 5059.98 **CHINA Xinjiang PBS** Urumqi 1610-1629* (P); Non-stop chants w/ some unclear ancncments at times; s/off 1629; best heard in LSB to avoid utes; mild fading & rustle; increasing static; almost fair-poor; 11/15. (Serra-Italy) 5060 1158-1207 (P); W ancncr in CC at t/in; three pips at ToH & lite instrumental mx bit; back to W at 1201 joined by M ancncr; v. weak/poor listening in ECCS-USB; unusable by 1207; s/on listed as *1200; 12/10. (Barbour-NH)
- 5059.92 **PERU LV de las Huarinjas** Huancabamba 2330-2345 The one noted here; 12/16. (Wilkner-FL) [nice catch-ed.]
- 5120.45 **PERU Ondas del Suroriente** Quillabamba [UTC?-ed.] (P); Possibly here during bandscan; weak sig; 12/12. (Wilkner-FL) 5120.461 2330-2345 The one noted here; 12/16. (Wilkner-FL)
- 5580.2 **BOLIVIA R. San José** San José de Chiquitos 2330 Noted here during bandscan; 12/13. (Wilkner-FL)
- 5745 **USA WYFR** Okeechobee 1951 How low can you go & how early & still expect to propagate to Europe?; WYFR 44 degrees in AA from 1900; just barely audible here at 1951; maybe it's better there as we are close to 90 degrees offbeam; 11/26. (Hauser-OK)
- 5770 **MYANMAR Myanmar Defense Forces BC** Taunggyi 1517-1528* In vern. w/ pop songs; indigenous mx at s/off is usually very brief; but today played for about 45 seconds; fair; 12/4. (Howard-CA)
- 5830 **UKRAINE R. Ukraine Int'l** Kharkiv 2237-2302 EE svc to W. Europe w/ mx & Reading Lounge; W ancncr w/ freq ancncments & request for listener recep rpts; p-f; 12/14. (D'Angelo/FCDX-PA)
- 5835 **PHILIPPINES VOA** Tinang 2226 VOA sports at its usual position in their nx wheel; 2235 non-sports nx; poor; whence? 21 degrees USward from Tinang; 7220 much better w/ same //5835 at 2240; 11/28. (Hauser-OK)
- 5865 **FRANCE R. Algerienne** Issoudun 0623-0627 M ancncr w/ AA mx & talk; huge 70dB sig; exc.; 11/7. (Parker-PA)
- 5875 **UNITED KINGDOM BBC** Rampisham 0627-0635 EE promo re Berlin Wall, "The Day the Wall Came Down"; talk re global warming scam, now renamed "climate change"; 70dB sig; exc.; 11/7. (Parker-PA)
- 5890 **USA WWCR** Nashville 0235 In case WWCR-4 would also be missing from night-time channel; checked but it was back on; so never mind looking for R. Peace, Sudan on 5895 if it is really active at 0300-0400; 11/24. (Hauser-OK)

International Band Loggings


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- 5940nf **BRAZIL Voz Missionaria** Camboriu in PT 0132-0203, vocal selection, canned ID, overmodulated talk, religious sermon, choir vocals, more IDs, p-f (D'Angelo PA 12/9)
- 5940 **RUSSIA GTRK** Magadan in RS 0210-0300, local program begins w/clear ID "Govorit Magadan", news, conversations, ads, phones #s, RS folk songs, M-F only, //7320 (Howard CA 12/2)
- 5970 **VATICAN CITY Radio Nederland** relay in DT *2200, bell chimes, ID, frequency, schedule, feature "Newslite", good (McGuire MD 11/13)
- 5005 **RUSSIA WYFR Family Radio** relay via Komsomolsk in KR 1218, religious talks with "Amens" and passing mention of "You are the Lord" in EG, f-g (Barbour NH 12/7)
- 50099v **BRAZIL R Inconfidencia** Belo Horizonte 2250, ID, Brazilian pops/ballads, talk, fair (D'Angelo 12/12) in PT 0030-0125, PT and US ballads, talk, ID, poor w/adjacent channel splatter (Alexander PA 12/5)
- 5020 **AUSTRALIA R Australia** in Tok Pisin 1019, YL hosting apparent culture magazine program w/feature on an aboriginal singer, into another feature w/many mentions of Australia, f-g (Coady ONT 12/5)
- 5025 **DOMINICAN REPUBLIC R Amanecer** Santo Domingo in SP 0002, talk, ID, announcements, musical selection, YL w/long religious talk, fair (D'Angelo PA 12/9) in SP 0015, romantic ballad, ID, talk by a very mellow announcer, fair but squeezed b/w two powerful stations (Taylor WI 11/21)
- 5025 **LITHUANIA VOIRI** of Iran relay via Sitkunai in FR 1922-1929*, YL talking, instrumental music, ID, closedown announcements, more music until carrier cut, p-f (D'Angelo FCDX-PA 12/14)
- 50496v **MALAYSIA Salam FM** relay via RTM Kajang in Malaysian 1600-1630*, end of the Suara Islam FM program at 1559, choral NA, 1+1 pips, many "Salam FM" jingles and IDs, reciting from the Qur'an and talks about Islam, ezl songs, phone call, fair (Howard CA 12/9)
- 6055 **RWANDA R Rwanda** Kigali in FR 2038-2100*, talk, Afro pops, sports commentary re futbol and "basketball America", ID over music, f-g under VOIRI Lithuania relay (Barbour NH 11/9)
- 6065 **ZAMBIA R Christian Voice Int'l** relay via Lusaka in EG 1607, audible after CNR Beijing s/off 1605, news, item about Zambia and AIDS/HIV, IDs, religious songs, poor - gone by 1622 (Howard CA 12/1)
- 6070 **CANADA CFRX** Toronto in EG 1334, news, weather, "Newtalk", MW ID "10-10" (Sellers BC 12/17)
- 6090 **ETHIOPIA Amhara State Radio** Addis Ababa in Amharic *0257-0350, IS, talk, local Horn of Africa music, rustic vocals, very weak under strong Anguilla station (Alexander PA 12/5)
- 6110 **CANADA R Japan** relay Sackville in EG *0500, pips, ID, talk on economic summit, g (McGuire MD)
- 6120 **CANADA R Japan** relay Sackville in EG 1220, feature on rescue dog program, g (Fraser ME 11/17)
- 6135 **RUSSIA BBC** relay via Vladivostok in EG *2200, ID, 3+1 pips, fanfare, ID, news, weak but clear (Taylor WI 12/9) in EG 2229, IS, news, TC for 2240 GMT, world sports including item re Tiger Wood losing a sponsor, fair (D'Angelo FCDX-PA 12/13)
- 6170 **SLOVAKIA IRRS** Milano relay in EG 1903-1933, news re Obama in the Far East, Ft. Hood shooting, "Free speech Radio News", acoustic ballads, news headlines 1931, p-f (Barbour NH 11/13)
- 6175 **ALBANIA China R Int'l** relay via Cerrik in SP 2300, ID, mainly regional news, good (McGuire 11/25)
- 6200 **CHINA Xizang PBS** Lhasa Tibet in EG 1631-1700, "Hold Tibet" program, feature on celebration of Tibetan Women's Day 12/2 in memory of the Goddess White Lhamo, strong signal (Howard CA 12/9)
- 6225 **MOLDOVA Deutsche Welle** relay via Kishinev in GM 0146-0200*, IDs, news and news features, beamed to South Asia, good signal (D'Angelo FCDX-PA 12/15)
- 6225 **SOUTH AFRICA RTE** (Eire) relay via Meyerton in EG 2010-2031*, "Sunday Forum" a lively talk show discussing "wrong doing within the Church", light music from 2017 to ID at 2028 mentioning World Radio Network, news headlines, into UN Radio feature, f-g (D'Angelo PA 12/14)
- 7125 **GUINEA Radio Conakry** in FR 2145-2218*, Afro music, talks, abrupt s/off, fair (Alexander PA 11/20) in FR 2055, West African hi-life music, many IDs, good w/some ham QRM (Delmage AB)
- 7200 **SUDAN Sudan RTVC** Al Fitahab in AR *0245-0400+, talks, Qur'an at 0246, short breaks of local music, chirping birds, fair w/some ham QRM (Alexander PA 11/21)
- 7220 **ROMANIA RRF** Galbeni in EG 2350, feature re writers, ID, fair w/QRM, //6015 (Sellers BC 11/20)
- 7235 **SOUTH AFRICA BBC** relay via Meyerton in SH/EG 0324, pop music, fanfare, sports program with commentary in EG re soccer match translated into SH, website, vg (Taylor WI 12/3)
- 7235 **THAILAND R Thailand** Udon Thani in Lao 1137, talk, s/off announcement at 1142 followed by filler music, IS at 1144* w/ID in EG, into Burmese programming, fair (Barbour NH 12/5)
- 7250 **RUSSIA V of Russia** Armavir in EG 2305, ID, report on explosion, good signal (McGuire MD 11/24)
- 7295 **MALAYSIA Traxx FM** relay via RTM Kuala Lumpur in EG 1156, pop music program, ID, news, more pop music selections, fair until 1200, poor thereafter (D'Angelo FCDX-PA 12/14)

- 7320 **RUSSIA R Rossii** via Magadan in RS 0256, mellow contemporary music, disco type dance music, ID at 0258, fair, //7200 via Yakutsk, good (Taylor WI 12/13)
- 7325 **SRI LANKA VOA** relay via Iranawila in EG 0130-0159*, "VOA News Now", Life in the US feature, weather reports, editorial, f-g but marred just prior to s/off by Romania s/on (D'Angelo FCDX 12/14) in EG 0136, article on Obama's trip to China, correspondent's report on diplomatic plea for resumption of six party talks w/No. Korea, ID, other news, very good w/polar flutter (Taylor WI 11/20)
- 7355 **CZECH REPUBLIC R Prague** in EG 2328, Jan Vellinger w/schedule, IS, fanfare 2330 and into "Radio Prague News", good (Coady ONT 11/11)
- 7575 **NORTHERN MARIANAS VOA** relay via Tinian, Saipan in EG 1303-1329, "VOA News Now", IDs features including "Today in History", fair (D'Angelo FCDX-PA 12/14)
- 9330 **SYRIA R Damascus** in EG 2111-2200*, news, ID 2115 followed by Syrian vocals, news headlines at 2156, closing ID, choral NA, fair w///12095 poor-fair (D'Angelo FCDX-PA 12/13)
- 9335 **NORTH KOREA V of Korea** Kujang in EG *1259, ID, opening music fanfare, news read by a YL/OM team, fair (D'Angelo FCDX-PA 12/14)
- 9345 **PAKISTAN R Pakistan** Islamabad in Bengali *1159, IS, Kor'an-like chant, brief talks b/w various chants and ballads, anthem-like fanfare 1215, talk by OM, f-p w/het (Barbour NH 11/30)
- 9345 **NORTH KOREA V of Korea** Kujang in KR 2318, martial music, talk, classical vocals, good signal, //12015 slightly weaker, 7570 threshold level, 7180 weak, and 9975 weak (Evans TN 12/9)
- 9470 **INDIA AIR** Aligarh in EG 1355, music, time pips, ID, fair reception (Flaitz NY 12/8)
- 9490 **MADAGASCAR R Sweden Int'l** relay in EG 2030, feature about search for a new president of the European Union, good (Fraser ME 11/19)
- 9505 **BRAZIL R Record** São Paulo in PT 0440, vocals, OM w/talk, pop recordings, poor, //6150 very poor (D'Angelo PA 12/14)
- 9535 **THAILAND R Thailand** Udorn domestic service in EG 2040, national news, final items about the activities of the King of Thailand, ID 2042, PSA on saving energy, "Global News" which was cut off in the first item, pause, then bells and into Thai programming, good (Sellers BC 11/28)
- 9635 **VIETNAM V of Vietnam** Hanoi in VT 1149, talks b/w music bits, ID 1200, into news?, fair signal over weak co-channel CVC from Santiago, Chile (Barbour NH 11/10)
- 9570 **PHILIPPINES Adventist World Radio** relay via Palauig in RS 1539, string quartet & other classical music w/o identification of items played, bells and ID in RS, mentioned New York, sermon?, more bells at 1553, AVR ID and sign off 1556 (Hauser OK 11/17)
- 9570 **ALBANIA China R Int'l** relay via Cerrik in EG 0100, ID, news, mentioned Obama, g (McGuire 11/26)
- 9600 **CHINA China R Int'l** via Kashi in EG 2100-2157*, news and reports, long interview with American entrepreneur who opened a string of restaurants in Beijing, abrupt s/off 2157 in the middle of language lesson, armchair signal (Schiefelbein MO 11/19)
- 9665 **ROMANIA RRI** Tiganesti in SP *0000, IS, ID, frequency announcements, schedule of programs, news good signal (McGuire MD 11/27)
- 9675v **BRAZIL R Canção Nova** via Cachoeira Paulista in PT 1938-2006, slow songs, talk over strings music, mention of "....Nosso Senhor Jesus Cristo...", religious song, IDs, frequencys at 2000, recitation of prayers (Holy Rosary and Ava Maria etc.), fair signal in USB (Serra ITALY 11/15)
- 9700 **TURKEY V of Turkey** in TK 0506-0540, Turkish music hosted by OM with talk b/w most musical selections, ID at 0529, fair (D'Angelo PA 12/10)
- 97043v **ETHIOPIA R Ethiopia** Addis Ababa in Vernacular 2006-2025, Horn of Africa music w/announcer between selections, f-g. //7110 fair (Barbour NH 11/13)
- 9760 **CYPRUS Cyprus BC Corp** via Limassol in GK *2215-2245*, s/on with GK music and talk, fair-good, //7210 mixing w/China, 6180 mixing w/AIR until their 2230 s/off (Alexander PA 12/4)
- 9780 **SAO TOME VOA** relay in FR *2100, IS, ID, African service, fair (McGuire MD 11/12)
- 9820nf **CHINA Beibu Bay Radio** via Nanning in VT 2258-2330, string music IS, time pips, tri-lingual IDs in VT, CH, EG at 2300, newscast?, into blend of Eastern/Western pop music, splatter and QRM from several sources with Beibu mostly atop the QRM party, //5050 barely audible (Schiefelbein MO 11/17)
- 9870 **INDIA AIR** Bengaluru in HD 1339, local YL vocals, OM with "Vividh Bharati" domestic service ID at 1334, into ads and promos, good (Coady ONT 11/15)
- 9930 **PALAU World Harvest Radio** relay via Koror in EG 1246, preacher w/religious talk, "Waymaker Ministries" ID at 1257, contact info, filler music to 1300, announcing "T8WH Palau...the international voice of LeSea broadcasting"... , request receptions reports to Noblesville, IN address, into "Dancing with God" program 1300, fair (Barbour nH 12/12)
- 9970 **BELGIUM RTBF Int'l** via Wavre in FR 1220, two OMs w/talk, music bit, single pip and ID at 1230, ad string with "Happy Days" theme, jazz music, good (Barbour NH 12/5)

- 11655 **MADAGACAR R Nederland** relay in EG 1921, ending "Video on the Radio" and into an item about farm produce in Kenya, poor to fair (Sellers BC 12/5)
- 11675 **AUSTRIA Polish Radio** relay via Moosbrunn in EG *1300, bilingual ID, Danuta Isler with the news, feature on "Europe East" from 1304, very good (Coady ONT 11/29)
- 11690 **RWANDA Deutsche Welle** relay in EG 2130, Deborah Fleming hosting "Hits in Germany", very good //7280 Sines, Portugal relay (Coady ONT 11/30)
- 11690 **SOUTH AFRICA Deutsche Welle** relay via Meyerton in EG 1913, talk about waste disposal, ID 1915, feature on "Living in Germany", good over rtty QRM (Sellers BC 12/5)
- 11805 **PHILIPPINES VOA** relay via Tinang in IN 2329, Indo chatter w/VOA jingle 2330 followed by news? fair with static crashes (Strawman IA 12/1)
- 11815v **BRAZIL R Brasil Central** Goiania in PT 0320, talk, local pop music, weak but readable, better on //4985 (Alexander PA 12/3)
- 11865 **CANADA RCI** Sackville in AR *2000, ID, report on Obama's speech on Afghanistan (McGuire 12/2)
- 11865 **PORTUGAL Deutsche Welle** relay via Sines in GM*2200, ID, news, mention of Afg., good (McGuire MD 11/14)
- 11905 **SRI LANKA SLBC** Colombo in HD 1231-1233*, Hindi-like music, s/off announcements, distinct IS at 1232 and carrier off, fair (Barbour NH 12/12)
- 12080 **AUSTRALIA R Australia** in EG 0705, talks on the aftermath of the Samoan earthquake and the Rio Tinto mining operations in Mongolia, //15160, 15240, poor (Park HI)
- 12080 **SOUTH AFRICA R Nederland** relay via Meyerton in EG 1916, "Video on the Radio" feature looking at street slang, good (Sellers BC 12/5)
- 12095 **UNITED KINGDOM BBC** via Rampisham in EG 1605, news items by OM/YL, president Obama in China, economic cause of famine discussion, good (Fraser ME 11/16)
- 12095 **THAILAND R Thailand** Udorn in EG, talk on collaborative physics research between Thailand and Switzerland, good (Sellers BC 11/21)
- 13710 **BOTSWANA VOA** relay in EG 2055, music pgm, African service, ID, IS, good (McGuire MD 11/18)
- 15120 **NIGERIA V of Nigeria** Ikorodu in EG 1705, news re West Sahara activities, UN aid to Zimbabwe, UN climate change conference, TC, ID, fair despite splash from WYFR (Barbour NH 12/7)
- 15275 **THAILAND R Thailand** Udon Thani in EG 0205, "News Hour", s/off announcements at 0228, IS, fluttery signal but readable (Delmage AB 11/21)
- 15295 **MALAYSIA V of Malaysia** Kajang in CH 1126, Indo pop music, news at 1130, several mentions of Malaysia, ID in EG "Voice of Malaysia", jingle, ballads, light pop music, good (Barbour NH 11/14)
- 15420 **SOUTH AFRICA BBC** relay via Meyerton in EG 1820, panel discussion about Rwanda joining the Commonwealth, in-and-out QRM battle with WBCQ, poor (Sellers BC 11/28)
- 17745 **PORTUGAL Sudan Radio Service** relay via Sines in EG *1459-1530, s/on w/light instrumental and African music, ID, contact info, phone #s, feature "Let's Talk" drama about Sudanese elections, talk about elections being free and fair, into AR talk at 1529, f-g, weekends only (Alexander PA 11/21)
- 17895 **NETHERLAND ANTILLES VOA** relay via Bonaire in EG 1813, UN reporter on International Day for the Eradication of Poverty, very good, //15580 Botswana relay good (Sellers BC 11/28)
- 21520 **NETHERLAND ANTILLES R Nederland** relay via Bonaire in EG 2050, interview with a blogger who was offered a bribe by a certain company that pays "Cash for your gold" to remove a negative blog entry from his site, abrupt s/off amid promos at 2057, solid signal (Schiefelbein MO 11/21)

Clandestine And Opposition Stations

- 5950 **ETHIOPIA V of the Tigray Revolution** relay via Addis Ababa in Tigrinya? *0257, IS to 0259, opening echo effect, ID, brief flute music, news, f-g until Taiwan s/on 0300, //5980 p (D'Angelo FCDX 12/14)
- 5985 **JAPAN Shiokaze Sea Breeze** relay via Yamata in CH 1425, mixing w/strong North Korea jamming and Myanmar Radio (Howard CA 12/8) in EG 1417, YL telling story of an abductee in the 1970s, no QRM and fair signal (Hauser OK 12/9)
- 5030 **ETHIOPIA R Oromiya** relay via Addis Ababa in Oromo 0400-0430, YL/OM with news, music fanfare 0411, jingle station ID 0414, Horn of Africa vocals, vg "best ever" (D'Angelo PA 12/14)
- 5297v **ALGERIA National Radio of RASD** relay via Rabouni in AR/SP 2249-2310, Mid East music by male singer, hyped up YL announcer, discussion by OM's, YL w/long talk, musical bridge and ID in SP at 2300, periodic bursts of QRM from ute, fair otherwise (Taylor WI 12/9) in AR 0700, 3-pip time signal almost 1and ? seconds late, ID, sounders, news?, usual good signal (Hauser OK 11/18)
- 7165 **ERITREA V of the Broad Masses of Eritrea** via Asmara in AR? *0354-0412, instrumental music at s/on, ID, announcements, brief news, Horn of Africa vocals, f-g (D'Angelo FCDX-PA 12/15)
- 75603v **ETHIOPIA V of Eritrea** relay via Geje Jewe in Tigrinya? 1815-1834*, talk, Horn of Africa music, frequency shifted during listening period, fair, //7165 very weak (Alexander PA 12/10)
- 1610 **MADAGASCAR R Voice of the People** (Zimbabwe) relay in EG and Vernacular *0400-0415+, ID, talks, short breaks of African music, weak, poor in noisy conditions (Alexander PA 11/22) 

23rd Anniversary Winter SWL Fest Sponsored by **NASWA**

March 5-6, 2010

Best Western—The Inn at Towamencin
1750 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 5th.** 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 19, 2010 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 23, 2010.

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 room by calling the Best Western at (215) 368-3800. For 2010, one special rate **\$85** 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 (1-476)—ask for details. Limo service is available from Phila. Intl Airport directly to the hotel.

New for 2010: Online registration available via PayPal! See www.swlfest.com for details.

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

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

CHECK ONE OR MORE

<p>REGISTRATION RECEIVED BY FEBRUARY 19, 2010:</p> <p><input type="checkbox"/> Full (\$60)</p> <p><input type="checkbox"/> Two-Day no meals (\$20)</p> <p><input type="checkbox"/> One-Day no meals (\$15)</p> <p><input type="checkbox"/> One-Day w/Lunch (Sat) (\$30)</p> <p><input type="checkbox"/> Spouse Lunch-only Sat (\$15)</p> <p><input type="checkbox"/> Full Spouse / etc. (\$45)</p> <p><input type="checkbox"/> Banquet only (Spouse) (\$20)</p> <p><input type="checkbox"/> Student (\$10)</p>	<p>LATE OR ON-SITE REG. RECEIVED AFTER FEBRUARY 19, 2010:</p> <p><input type="checkbox"/> Full (\$65)</p> <p><input type="checkbox"/> Two-Day no meals (\$25)</p> <p><input type="checkbox"/> One-Day no meals (\$20)</p> <p><input type="checkbox"/> One-Day w/Lunch (\$35)</p> <p><input type="checkbox"/> Full Spouse/son/daughter (\$50)</p> <p><input type="checkbox"/> Banquet only (Spouse) (\$25)</p> <p><input type="checkbox"/> Spouse etc. Lunch-only (\$20)</p> <p><input type="checkbox"/> Student (\$10)</p>	<p>BANQUET:</p> <p><input type="checkbox"/> Roast Beef</p> <p><input type="checkbox"/> Chicken</p> <p>RAFFLE TICKETS:</p> <p><input type="checkbox"/> raffle tickets, please (\$1 ea./ 6 for \$5/ 13 for \$10)</p> <p>Registration Fee Enclosed \$ _____</p> <p>Raffle Tickets Fee Enclosed \$ _____</p> <p>Total Check/Money Order \$ _____</p>
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Registration is not transferrable; cancellations after February 19, 2010 cannot be refunded, however we will refund raffle tickets.

Company Store

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

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