

The **NASWA** Journal

VOLUME XLX NUMBER 3

MARCH 2010



In Memory

of

John H. Bryant

April 30, 1941 - February 9, 2010

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5127	CS-RX7	Software with USB Cable	44.95
2771	CT-17	Level Converter	139.95
5129	LC-170	Carrying Case	26.95
5126	MB-112G	Belt Clip	9.95
0918	OPC-474	RX7-RX7 Clone Cable	16.95
4886	OPC-478JC	PC Cable USB	49.95

GRUNDIG G4000A



The legend of the famous Yacht Boy 400 lives on in this latest version called the Grundig G4000A. The Grundig G4000A, like its predecessor, is simply our best selling radio here at Universal. We think the reason is value. Dollar for dollar no other radio offers this much performance and so many features. Coverage is complete including long wave (144 - 353 kHz), AM band and shortwave from 1711 to 30000 kHz. FM stereo is provided to the headphone jack. A thumb wheel knob on the side of the radio provides smooth single sideband (SSB) tuning. The illuminated digital display provides tuning resolution at 1 or 5 kHz on shortwave. Two bandwidths are featured. The narrow position affords maximum selectivity, or the wide position may be chosen for best audio fidelity. This is a useful feature on today's crowded shortwave bands where stations are near each other in frequency. The keypad will quickly get you to any frequency or store up to 40 of your favorite stations in the presets. The presets may be accessed directly or you can scan through them by using the radio's second set of Up/Down buttons. The G4000A can also frequency search. The dual digital clock is visible while the radio is playing. Other refinements include: snooze and sleep buttons, lock, High/Low tone switch, Local/DX switch, and 9/10 kHz MW scan selection. External jacks are provided to earphone (3.5 mm), antenna (3.5 mm) and 9 VDC input. The G4000A comes with: AC adapter, stereo earbuds, wind-up antenna, Owners Manual. Requires six AA cells (not supplied). The cabinet has a stunning titanium colored finish. 8"Wx5"Hx1.5"D. 1 Lb. 5 oz. One year limited warranty.

Order #4000 \$129.95
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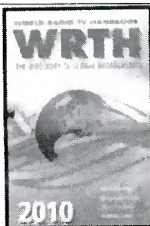
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- ✓ FREE Eton FR350 emergency AM-FM-SW radio.

G4000A \$129.95
FR350 59.98
AN200 29.95
Regular Total \$219.88
\$99.99 (+\$7.95 UPS)

AN200 and FR350 are also sold separately.

WORLD RADIO TV HANDBOOK 2010



This long established publication is filled with schedules, frequencies and addresses of shortwave broadcast stations. Organized primarily by country. Also includes a by-frequency listing of shortwave broadcast stations, radio club info., plus receiver reviews. WRTH Pub. 2010 647th Edition. List price \$34.95.

Order #3010 \$29.90

WORLDWIDE LISTENING GUIDE

By J. Figliozzi. Modeled on the author's popular *Worldwide Shortwave Listening Guide*, this new book covers all of today's formats: live on-demand, podcast, satellite, Internet, digital, analog, AM, FM, SW and v-f. A great guide to what can be heard how, where and when! Spiral bound. 112 p. ©2008.



Order #0275 \$24.95

PASSPORT TO WORLD BAND RADIO 2009

By L. Magne. A must have book for every worldband listener. Provides complete visual data on all SWBC stations from 2.3 to 26 MHz. See at a glance: station name, location, frequency, time, language and power. (There will be no 2010 Passport, IBS. 528 p. List \$22.95.)

Order #1009 \$18.90



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This month starts with some sad news from Managing Editor **Harold Cones**: "It is my sad duty to inform you that yesterday (February 8th) **John Bryant** fell from a ladder and received injuries that resulted in his death this morning. As you are, I am shocked--John was not only one of my best friends but also a writing partner and travel buddy. Please raise a glass to John—we have all lost a valued friend and colleague."

Those that met John found a true DX friend with an enthusiasm that never diminished. In recent years John specialized in medium wave DXing from the Pacific region but he made his name in shortwave broadcast DX with his emphasis on Indonesia, propagation theory and his tremendous work for **fine tuning** with the *Proceedings* series of scholarly work. Also, John was one of the key individuals in re-launching NASWA in 1990 with a new format and design. Teaming with Harold Cones, the Radio Professors wrote a number of interesting books with a special emphasis on Zenith Radio. John Bryant was a great friend and colleague who will be missed. This issue of the *Journal* is dedicated to his memory.

Quickly approaching is the 23rd edition of the Winter SWL Festival. Held in beautiful and historic Kulpville, PA the Fest is on 5 and 6 March 2010. Better make your plans to attend this club sponsored event. Fest-meisters Rich Cuff and John Figliozzi with a strong support cast of volunteering elves make this a great time for all that attend. Check out this month's *Journal* for a copy of the registration form. 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-related items of interest while at the Fest.

Radio Heritage Foundation is holding a new competition to win a copy of "Changing Stations" the story of commercial radio in Australia. This is a big thick book, full of inside stories, anecdotes and the results of thousands of hours of careful research by Bridget Griffen-Foley and her team at the University of New South Wales. Thanks to Bridget, the Foundation has a copy of her latest book to give away. Answer the following easy question: Complete this sentence "Long Lost -- Stars" and send an email with "Changing Stations" in the title to info@radioheritage.net to reach the Radio Heritage Foundation by midnight on Sunday, March 28 2010 your local time and date. The judge's decision is final. Radio Heritage Foundation is a registered non-profit connecting popular culture, nostalgia and radio heritage across the Pacific.

Back to the subject of radio gatherings, here is an update from **Tibor Szilagyi**, Secretary General of the European DX Council (EDXC) on the next EDXC Conference which is scheduled for September 30–October 3, 2010, in Ankara, Turkey. The venue of the Conference is the Hotel Dedeman in Ankara (Address: Akay Cad. Buklum Sok No. 1, Ankara 06660, TURKEY; phone : + 90 312 416 88 00 and Fax : + 90 312 418 13 86. Homepage : www.dedeman.com). Room reservations to: Mrs. Ozlem Gollu at ozlem.gollu@dedeman.com. Rates are single room: EUR 91,80/night, including VAT and Full Breakfast; double room: EUR 113,40/night, including VAT and Full Breakfast. If sharing the Double room you only pay: EUR 56,70 including VAT and Full Breakfast. The hotel accepts the following Credit Cards: Visa, MasterCard, Eurocard, American Express and

Our Motto: Unity & Friendship

Diners Card. The special Password for this Conference Reservation is "EDXC Conference in Ankara."

The preliminary programme of the Conference is Thursday, September 30: Arrival at the hotel, Registration from 12.00 Hours Ankara Time. Informal gathering in the bar / restaurant of the hotel from 19.00 Hours Ankara Time; Friday, October 1: After breakfast at the hotel visit at the Voice of Turkey, External Service in Ankara. Visit at the different studios and different language departments. Lunch in the canteen of the radio station. A possible visit at the Shortwave Transmitter Antenna either in Cakirlar or in Emirler is being planned. This Antenna visit is subject to the permission from the Radio Management. Back to the hotel, late afternoon and/or evening free time. Saturday, October 2: After breakfast at the hotel: EDXC Conference in the Conference Room of the hotel. Internal EDXC matters and interesting lectures. Lunch at our hotel. After the lunch: Sightseeing in Ankara with English speaking guide. Back to the hotel and in the evening the traditional Banquet Dinner at the hotel restaurant; Sunday, October 3: departure for home or be a tourist in Turkey. Please do not forget: This year Istanbul is one of the European Cultural Capitals. The Conference Fee is : EUR 96,-- per person. The Conference Fee EUR 96,-- per person you pay to Tibor at the Registration Table in the Hotel when you arrive on Thursday, September 30. This fee includes: use of Conference Room at the hotel, relevant papers like Conference Covers, name tags, lunch on Saturday, sightseeing tour in Ankara and also includes the Banquet Dinner. For further information please do contact: Tibor Szilagyi, EDXC Secretary General, E -- Mail: tiszi2035@yahoo.com.

Sean Gilbert - WRTH International Editor announced that the *World Radio Television Handbook* editorial team has produced a file containing updates to the Winter/B09 schedules. It is now available to download from the WRTH website: <http://www.wrth.com> and click on the "Latest PDF Updates" link. You will need the free Adobe Acrobat reader (available from <http://www.adobe.com>) in order to view this file. The file is

234kb in size and contains schedule updates for international and Clandestine/Target broadcasters plus details of 3 new stations. The WRTH Editorial Team hopes shortwave listeners find this a useful accompaniment to the printed WRTH. It is! Thanks for the update guys! Also, WRTH National Radio has been updated as of February 19th. See the updates at http://www.wrth.com/updates_national.html

The Danish Shortwave Club International (DSWCI) announced the winners of its 21st International DX Contest, "The Super Grand Tour With Cancer and Capricorn 2009". This year **Siegbert Gerhard**, Germany with 4,991.59 points and **Roberto Pavanello**, Italy with 4,975.72 points were declared the winner with each receiving a free copy of the DSWCI new *Domestic Band Survey #12* which will be available in May. Our own **Bill Patalon III** managed to place a respectable 13th. He was only one of two participants from North America. The other eighteen participants were from Europe.

Ron Hunsicker sent some space weather news along about the sudden emergence of big sunspot 1045 over the February 6-7 weekend. It caused a sharp uptick in solar activity. The active region produced three M-class and almost a dozen C-class solar flares since it appeared on Saturday, February 6th. The strongest blast, an M6-class eruption on Feb. 7th, may have hurled a coronal mass ejection toward Earth. Space Weather says high-latitude sky watchers should be alert for auroras in the nights ahead as a result of this activity. Also, shortwave receivers are picking up strong solar radio bursts on equipment.


Don't forget that **Bryan Clark** bclark@paradise.net.nz in New Zealand has a nice sized collection of back issues of NASWA bulletins from 1972-March to July, September to December; 1973 through to 1985-complete annual sets; April to June, August & September 1989. He is interested in knowing if there is any interest in a collection or individual copies of FRENEX magazines from these years. These were exchange magazines received by Bryan as Chief Editor of the New Zealand DX Times during those periods. If

interested, please contact Bryan directly at the above e-mail address. If interested but you do not have access to e-mail, let me know and I can help coordinate. Bryan recognizes that there could be a challenge, i.e. expense, getting these to North America so keep that in mind.


Also, if you have an interest in logging program software check out **Bob Raymond's DXtreme Reception Log — Advanced Edition Version 6.0**. A new version of its popular logging program for radio monitoring enthusiasts, is now available. Based in Nashua, NH, DXtreme Software produces powerful and easy-to-use logging applications for all kinds of radio enthusiasts — from LF, MF, HF, VHF, and UHF DXers (and listeners) to Amateur Radio operators. Like other logging programs, DXtreme Reception Log — Advanced Edition lets listeners and DXers log the stations they've heard. But unlike other logging programs, Reception Log — Advanced Edition provides multimedia and advanced functions that can add a new dimension to logging activities. Reception Log — Advanced Edition includes a Schedule Checker facility that lets users import schedules from the EiBi Web site and display schedule data according to the filter criteria they specify. Users can filter schedule information by band (LF, MF, and HF), country, station, time, and language. They can also sort schedule information

by frequency, time, day, country, station, language, target, and site. Reception Log — Advanced Edition features an embedded Audio facility that lets users create and maintain an audio archive of stations heard. The program also features an integrated QSL Imaging™ facility, which lets users scan the physical QSL cards they receive from postal mail and capture the electronic QSLs they receive over the Internet. Reception Log saves both types of QSLs as digital images that users can view at any time. Also, there are numerous advanced features such as creating customized reception reports, obtaining solar conditions, database back-ups, etc. For more information about DXtreme Reception Log — Advanced Edition V6.0, visit www.dxtreme.com. Contact Bob Raymond at bobraymond@dxtreme.com for more information.


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

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

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. 

FRENDX: Twenty-Five Years Ago (March 1985)

The cover featured Mr. Hiroshi Shoiguchi and Miss Yuka Nukina of Radio Japan's DX Corner. Bill Oliver noted that Friendx was looking for one or two "SWL-types" to edit possible future columns. John Herkimer noted in the Shortwave Center that Radio Nuevo Mundo's "LA DXing" was available for US\$7.00 calling it "a must for aspiring Latin DXers." Ray Niekamp wrote about Radio Zinica in Bluefields, Nicaragua. Tristan Tom wrote about his experience verifying Tristan. Gerry Bishop wrote "Awards - Make Those QSLs Count" while Bill Cole's Computer Corner featured its first Apple program "Darkness Patterns" in Applesoft. Andy Robbins edited his last Contact column. James Herkimer covered technical reference books in Technical Topics. Marlin Field wrote "Nationals in the Work of Transworld Radio." Herk closed the Shortwave Center mentioning that he can no longer do the column the way he would like due to lack of time. Peter Dillon noted in Sam Barto's QSL Report column that he had about 150 reports out and Steve Handle began QSLing again after a 10 year absence. Jerry Lineback's Scoreboard column showed John Tuchscherer with 229 countries heard on top of the list with Al Sizer's 218 countries verified leading in that category. In Log Report "B", editor Jerry Berg noted further information on Caracol Carreno on 5941. In Log Report "D", editor Wallace Treibel noted that 271 loggings were received for March compared to 293 in February and 375 in January. Among the Helping Hand items in March were Steven Lare looking for a Drake RV75 VFO and Larry Albert offering a "bargain priced hot performing ICOM ICR-70 in perfect condition" for \$400.00. 


Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: 86 Pumpkin Hill Road, Levittown, PA 19056). **Note: this is a new postal address!** He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: rmonty23@verizon.net.

Calendar Of Events

- 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.
- Mar 10 Meeting.** **Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>
- Mar 13 Meeting.** **The Columbus, Ohio NASWA Chapter** will be meeting at Universal Radio in Reynoldsburg at 10:00 AM. Further information is available from Mike Rohde at 614-527-1398 or via e-mail at merohde@columbus.rr.com. The purpose will be to gather other SWL/ DX listening enthusiasts together for informative discussions and sharing of knowledge and information about the hobby.

- Mar 13 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX)** meets at the Lebanon Citizens' National Bank (LCNB), 425 West Central Avenue (Ohio 73), Springboro, Ohio at 7:00 PM. For more information contact Mark Meece at 937-743-8089 or e-mail at <antennapig@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- Mar 15 Meeting. Tar Heel Scanner/Shortwave Listening Group.** Red, Hot and Blue restaurant, 6615 Falls of the Neuse Rd., Raleigh, NC. Dinner @ 6:30PM, meeting @ 7:30PM. Meetings the 3rd Monday of each month. Info, Curt Phillips, 919-773-4522, <mailto:curt@nerdster.net>curt@nerdster.net.
- Mar 26 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.
- Apr 10 Meeting. The Reading International Radio Group** will hold a meeting on Saturday April 10 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.
- May'10 Annual Meeting. The 2010 National Association of Shortwave Broadcasters and us DRM Group** will be held in Hamilton, Ontario on 13 and 14 May 2010. It will be hosted by Galcom International. Additional information will be available at a later date.
- Jun 5 Meeting. The Reading International Radio Group** will hold a meeting on Saturday June 5 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.
- Jul 24 Meeting. The Reading International Radio Group** will hold a meeting on Saturday July 24 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.
- 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.
- Sep 30 Conference. The European DX Council Conference** will hold its annual meeting September 30 to October 3, 2010, in Ankara, Turkey. The venue of the Conference is the Hotel Dedeman in Ankara (Address: Akay Cad. Buklum Sok No. 1, Ankara 06660, TURKEY; phone : + 90 312 416 88 00 and Fax : + 90 312 418 13 86. Homepage : www.dedeman.com). Room reservations to: Mrs. Ozlem Gollu at ozlem.gollu@dedeman.com. Rates are single room: EUR 91,80/night, including VAT and Full Breakfast; double room: EUR 113,40/night, including VAT and Full Breakfast. The Conference Fee is : EUR 96,-- per person. The Conference Fee EUR 96,-- per person. For further information please do contact: Tibor Szilagyi, EDXC Secretary General, E-Mail: tiszi2035@yahoo.com.

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

Musings

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

Harold Cones <hcones@cnu.edu>, 2 Whits Court, Newport News, VA

John was not like the rest of us—we love radio, but John LOOOOOVED radio. His contributions to the hobby and the people he touched were immense, indicated by the nearly 50 pages of condolences I have downloaded from the internet to pass along to his wife, condolences from all over the world. In addition to his work producing six volumes of *Proceedings* (a watershed for hobby writing), I have a notebook (probably incomplete) in my radio room of John's hobby writings and it contains 44 valuable articles, many technical, but written so that the rest of us could understand them. We spent untold hours together researching and writing our six books, and we traveled and went on DXpeditions together, and, we became best friends. I never ceased to be amazed at his infinite knowledge (and desire to share his knowledge). John liked spicy hot food and icy cold rooms, researching and presenting the results of his research, but, in addition to his wife, daughter and two grand children, he loved radio and his radio friends the most. As individuals, we have all lost a good and true friend, but the loss to the hobby is incalculatable. It seems it is all too easy to go from "is" to "was."

On some pleasant evening, when the sunset is perfect and the DX is surging, raise a glass to John and be thankful you had the chance to profit from his storehouse of knowledge. He would like that.

Mike Barraclough <mikewb@dircon.co.uk>, England

From Roger G3XBM's Amateur Radio blog, <http://g3xbm-qrp.blogspot.com/2010/01/shortwave-in-1960s-interval-signals.html>.

Yesterday I found this wonderful link which is a montage of 40 different old shortwave interval signals from almost 50 years ago. Get a coffee, sit back and listen. Imagine you are listening on your one valve radio in your bedroom in 1964. It brings back such happy memories that I am almost tearful with nostalgia.

<http://garlinger.com/QSL/montage.mp3>. A couple of the later ones are more recent.

I found Doug Garlinger's webpage where the link is included, has many QSL cards he received as well as links to other interval signals if you click on the cards: QSL Collection 1964-1965 of Doug Garlinger Age 13 (while normal kids collected baseball cards....I collected QSL cards) <http://www.garlinger.com/QSL/qs.html>

Dave McLaren <davene9n@hotmail.com>

I would like you to know that a photographic tour of the former Dixon California. The VOA transmitter site is available on the internet. So anybody that remembers this site can easily find it since it was de-commissioned and taken out of operation back in 1983. The tour and photos is courtesy of a Merrill Stephenson KG6AWN. You can find the article on (eHam.NET) The Mystery of the VOA facility at Dixon California).

Kevin Molander <kmolander@earthlink.net> California

I received a beautiful QSL card from Tibet last week. They also sent a VERY beautiful hologram "postcard" (much bigger than a traditional postcard) showing the Palace with the white peaks of the Himalayas rising in the background. To date, this has been the best "present" I have yet to receive from a shortwave station.

I have brought this hologram "postcard" to work where I am able to gaze up at it (at least 25 times a day...)

Toshi Ohtake <ohtaket@kyp.biglobe.ne.jp>, P. O. Box 44, Kamakura 248-8691, Japan
First topic is the PLC (Power Line Communication) standard. As described last year many times, the Japanese standard of PLC Equipment has serious defects which had been overlooking many type-certified PLC equipment emitting SW-band noise much higher than the noise level accepted at the technical committee a few years ago when introduction of PLC equipment into Japanese market was agreed. Ministry of Interior and Communications who controls PLC equipment had rejected our filing to claim cancellation of the certification because of high noise level on SW bands emitted from this type-certified equipment.

However there is good news. Sub-committee SC-I of CISPR, International Special Committee on Radio Interference has revealed NO body except Japan had supported the PLC standard proposed by Japan. Many countries pointed out that the Japanese PLC standard has defects to properly protect the radio communications on SW band. This is exactly the same as our claim and we believe the Japanese Government will initiate reevaluation of its PLC standard. Will let you know what action Japanese Government will take on this matter. Hope the action will not be too slow.

This is all for today and Wishing you FB DXing! Toshi Ohtake, Japan Short Wave Club

Jim Meyer <jwmeyer52@hotmail.com>, #1210, 26760 Heatherford Dr., Perrysburg, Ohio 43551

I notice in reading the NASWA that there are many abbreviations in the various band loggings. I can guess most of them, but some remain cryptic to me. I have been away from SWL for many years, so maybe that is part of the problem. Maybe a list of commonly used abbreviations, and what they mean, can be sent by email to those of us who could use some help would be beneficial.

I enjoy being a club member. Keep up the great work and best wishes to all. Hopefully, I can send some useful loggings in myself in the near future

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

The first of May will mark the start of Expo 2010 in Shanghai. It is anticipated that the number of people attending this event will be the highest number ever in the history of the World's Fair. When I was last in Shanghai (2008); there were already massive building projects under way related to the Expo 2010 (new buildings, new underground subway lines, etc.). There is no question that China sees this as an extremely important event, to showcase their booming economy. I have already started to hear lengthy items about it on the English program "Holy Tibet" via Xizang PBS-Lhasa. It would seem logical that China will be focusing on projecting their global presence during this important year. It may help explain why they have now started numerous identifications in English on their CNR-1 evening news. Perhaps we will observe SW activities relating to Expo 2010 Shanghai, so please keep an ear out for anything new.

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

I had a letter from Denise Zambrano complimenting me on the article I wrote about Jorge and for sending her a copy.

I see in the Company Store in the January issue of The Journal that the WRTV Handbook for 2008 is available. This is 2010, I believe. Is 2010 issue available? Is Passport?

Bob Padula <bobpadula@mydesk.net.au>, Melbourne, Australia

On Friday February 5, 2010, I witnessed a remarkable daytime propagation mode event from Asia on 7 MHz and 9 MHz, between 0300 and 0400, which is 1 pm to 2 pm here in Melbourne. This propagation was via the complex multi-hop Daytime Mode, with transmission path distances looking like this: Malaysia 6070 km, Thailand 7360 km, Vietnam 7700 km, Myanmar 7930 km, China 9100 km, Japan 8230 km, Sri Lanka 8359 km, N. Korea 8749 km, India 10080 km, Uzbekistan 11655 km, and Iran 12059 km.

The event was characterised by strong signals from many Chinese regional broadcasters on their daytime channels, some never or rarely audible here! This dispels the myth that long-haul mid-summer propagation up to 12000 km on 7 and 9 MHz requires a darkness path, for my reception zone here in Melbourne!

Monitoring was at one of my favourite field sites, at a place known as South Hill, in the Warrandyte State Park, 20 km east of the Melbourne CBD, using the little Eton E5, with about 5 m of random antenna tossed into a bushfire-blackened tree. This is in the former gold mining area, where gold was first discovered in 1851. Sorry, no nuggets, but I'll keep looking!

This is the summary of key occupancies, audible in the window 0300 to 0400: 7210 VIETNAM VOV Hanoi nat network; 7270 MALAYSIA RTM Sarawak *0400 dialects network; 7295 MALAYSIA RTM Kajang English relay of domestic FM service; 9335 KUWAIT R. Azafi, Dari; 9345 N. KOREA VOK Pyongyang English; 9380 SRI LANKA VOA Udorn Pashto; 9425 UZBEKISTAN CVC Tashkent Hindi; 9440 CHINA CNR8 Korean 0405; 9490 CHINA Xizang PBS Lhasa Mandarin; 9505 CHINA V. of Strait, Fuzhou, announcing in English (!) at 0400 "This is the Voice of the Taiwan Strait", then Mandarin; 9520 CHINA Nei Menggu PBS Hohhot Mandarin; 9525 INDONESIA VOI Indonesian; 9530 CHINA CNR11 Tibetan, completely blocking co-channel Vietnam!; 9560 CHINA Xinjiang PBS Urumqi Uyghur; 9580 CHINA Xizang PBS Lhasa Mandarin;

9595 JAPAN R. Nikkei Tokyo Japanese; 9595 INDIA AIR Urdu (co-channel Japan); 9610 CHINA CNR8 Mongolian; 9635 VIETNAM VOV East Sea service, Vietnamese; 9665 N. KOREA KCBS Pyongyang Korean; 9730 N. KOREA VOK Pyongyang English; 9665 MYANMAR MBS Yangon Burmese from *0300 co-channel VOK; 9750 MALAYSIA VOM Kajang *0400 Malay; 9760 JAPAN R. Nikkei Tokyo Japanese; 9835 INDIA AIR Pashto; 9870 INDIA Nat network; 9875 VIETNAM VOV Hanoi nat network Vietnamese; and 9895 IRAN VOIRI Arabic'

Regards from Melbourne! Bob Padula

Richard Murphy <richard.murphy@swri.org>

In fairness to WinRadio, I thought I should update my comments that appear in the February Journal. I did solve my noise problem in two ways. First, my sound chip control software has some features that caused the WinRadio input settings to be ignored. Hence, the demodulator software was always clipping the input signal and boosting the back ground noise to a high level. This was fixed by upgrading my sound card software. The other issue was common mode noise. After exchanging several e-mails with Tariq Hasnie of Radixon's North American office in Austin, I stopped by for a visit and picked up the WinRadio common mode choke and installed a ground rod for it. This reduced the RFI levels and now I believe I have a well performing receiver. I am still working on getting a decent antenna. Right now I have a 66 foot random wire attic antenna connected through the WinRadio 9:1 balun, but I think the foil covered A/C duct work still causes problems on 60 and 90 meters. However, I consider this great progress considering my 35 year absence from DXing!

Tariq seemed pretty excited about their new product, the Excalibur direct sampling radio. Perhaps they need another beta-tester!

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610
I was shocked to learn of the sudden passing of a DX hobby friend and colleague, John Bryant. He was very enthusiastic about our hobby and pursued our hobby with a great passion. He was a terrific DXer both shortwave and medium wave, as well as a noted author. He was the inspiration and leader behind the fine tuning *Proceedings* series which was a landmark in radio hobby journalism. John and Harold Cones wrote a series of great books together that I enjoyed over the years. A very giving man, John made numerous donations to the hobby. In fact, I will be bringing many items from John's shack to the Winter SWL Festival for the silent auction. He was a great guy who will be missed.

Jim Meyer raises a good point about abbreviations and the cryptic nature they can appear to have to a newcomer to our hobby or to a returning shortwave listener like Jim. Anyone willing to tackle compiling an updated abbreviations list for the club? I believe Bill Oliver has a copy of our old list but it may need some updating for things like CODAR. If you are interested, please drop me a line. Thanks!

On to some QSL news. A good month for returns for a change. Radio Australia – Shepparton verified with a full data “Shepparton International High Frequency Transmission Station” card from v/s Ian Johnson of the ARDXC. I reported the frequency as Brandon but Ian noted that despite internet posting showing Brandon, Radio Australia’s operating schedule shows this as Shepparton. Ian included a copy of the current Radio Australia shortwave frequency guide. This got lost in the shack somewhere. Radio Free Europe / Radio Liberty via Sitkunai verified with a full data – including site – “Illuminate Your World” card for a broadcast in Tatar Bashkir language. Response came from office in Czech Republic. Radio Sweden via Talata-Volondry replied to an electronic report for my reception of the interrupted broadcast due to the Christmas Day fire with a postal letter in 26 days informing me that they no longer verify reception reports (“We regret to inform you that Radio Sweden no longer sends QSL-cards”) and apologized for an inconvenience this causes. Silly me, I thought that there could be some interest at Radio Sweden due to the nature of the ill fated transmission. Although they could have easily responded by e-mail, they did a postal reply. Couldn't they have just as easily sent a QSL? Hi! The Voice of America verified two separate Philippines reports six weeks apart with one full data “Transmitters and Antennas at Sunset” card. The package included a 2009 calendar, bumper sticker and several program schedules. Far East Broadcasting Company verified with an electronic reply from v/s Jan B confirming my reception of the Iu Mien broadcast from Bocaue apologizing for the overdue response (they did in fact respond with a full data card previously). Jan did indicate that about five years ago the entire antenna curtain at Bocaue was renewed and this strengthened their signal but that there is little they can do to improve things further at this stage of the sunspot cycle. Finally, news USA station WJHR Radio International verified an electronic report with an electronic no data “Dear Shortwave Listener” form letter rich text file reply from v/s G. S. Mock including a picture of the transmitter. In his letter, Mock states: “It is always good to hear from a new listener! It is our desire to provide quality Christian programming to the world in these last days. Please keep listening and tell someone to tune in. Our station is new and needs your prayers. Someday in the near future we will have a web page to keep listeners abreast of latest developments which will be of interest to our listeners.”

Shortwave Center

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Bandscan analysis of Radio Handbooks for 2010

by Anker Petersen, Denmark, January 01, 2010. www.klingenfuss.org.

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On the 25th of October 2009 the B09 winter schedules became effective. Already on the 10th of December I received the "2010 edition of the World Radio TV Handbook" (WRTH) from its publisher Nicholas Hardyman, UK. The next day arrived the "2010 Shortwave Frequency Guide" (SWFG) with the 2010 Super Frequency List (SFL) on a CD from Joerg Klingenfuss, Germany. Both annual, printed Handbooks have kept their well-known, but different format.

The SWFG 2010 (14th edition) contains 440 pages in English (230 about Broadcasting and 210 about Utility stations). The Broadcasting part begins with an updated article about DRM including a list of DRM schedules on LW, MW and SW. It is followed by the comprehensive SW frequency list which for each frequency contains a line for each broadcast, practicably arranged in time order within each frequency. That includes exact times, transmitter site, language and target area. The Country section contains the same data listed by Station, but without details like geographical coordinates, addresses, web sites, QSL info, etc. Price: EUR 40,-.

At the same time Klingenfuss has published the 16th Edition of the 2010 Super Frequency List (SFL) on a CD with the same 8,200 Broadcast frequencies and 8,400 utility frequencies in use plus 21,500 formerly active frequencies. This modern tool is very easy to use on a PC using Microsoft Windows and has excellent search functions for specific frequencies, countries, stations, languages, call signs and times - or any combination thereof! Price: EUR 30,-. More details at

The SWFG is a Frequency List with SW schedules on all broadcast stations, but without any other details about the stations. I prefer the SWFG when I scan the SW broadcast bands, because the current schedule and language is available at each frequency in time order. But I have no use of all the 210 pages about utility stations.

The WRTH 2010 (64th edition) has 672 pages, including 64 in full colour. Our good Italian friend Dario Monferini introduces himself as one of the numerous WRTH Contributors 2010. Next John Nelson reviews the following expensive SW-receivers Icom IC-7600 and IC-7000, Etón Satellit 750 and these very low cost portables: Go World Band, Crown CRMR-1, Texon 4029 and Palito PA-6622 (the latter costs only 8 Euros!). After a nostalgic article about Cold War Classics (Collins R390, Racal RA17, Harris RF-590 and Rohde & Schwarz EK 070), John Nelson interviews the BBC Director of Future Media, Transmission & Distribution and the Director of the Global News Division about the future in Global broadcasting. Then follows a "Digital Update", "Samoan Radio Journey" and the traditional update by George Jacobs on reception conditions. After the maps, on page 65 begin the fully updated sections with all details about National and International Radio, MW and SW Frequency Lists, International broadcasts in English, French, German, Portuguese and Spanish. On page 606 is a useful list of current DRM International Broadcasts followed by terrestrial Television and on page 653 References. Read more at www.wrth.com. Price: GBP: 23,-. In contrary to the SWFG, the WRTH also contains LW, MW and some FM and TV information. Therefore I use the WRTH when I DX on the bands mentioned or need more

information about the stations. It is highly appreciated that, like the two last years, an update free of charge will be published on their website in January 2010 and a full summer edition of the International Section will be available in May 2009.

Spot-check by bandscanning

As in my previous analyses, I also scanned through the SW-bands in mid December. I listened to 50 broadcast stations at random in frequency band and time and identified them 100%, no matter what language, and made a comparative analysis.

I then checked in the two Handbooks, if each particular broadcast heard, was mentioned in the Country Section and in the SW frequency list. This must contain the five essential details: Station name, frequency, scheduled at that exact time, exact language and site of transmitter. Half of the stations heard carried domestic broadcasts, and half of them international broadcasts. For further details on any of my results, please look at: www.dswci.org/specials/bookreviews/201001handbooks.pdf

Analysis

I consider the five details mentioned above to be essential for the DXer during his listening and identification of the transmitter and broadcast. Thus it was checked for each logging, if the Handbooks have all these essential details and if they are correct. This is then marked "+" in my detailed analysis. If just one is missing, the column got a "-".

I still consider it *useful*, if the Handbooks also can provide the DXer with additional information about Geographical Coordinates for his propagation calculations and Google Earth search, and ID in the language heard. Furthermore it is necessary to know current addresses (postal, e-mail and web) and QSL policy for his reception report writing. For listeners with Broadband internet (ATDL) it is also useful to know, if the station broadcasts live audio on the web. Most of these *useful*

details can be found in the WRTH, but they are still missing completely in the SWFG !

Comparison

I then counted how many *essential* details were correct for the 25 international and 25 domestic stations randomly heard. The results were (each figure out of 5x25 = 125 possible):

	SWFG		WRTH	
	Int.	Dom.	Int.	Dom.
<i>Analysis result</i>	120	120	119	119
<i>Sum (Max. 250)</i>	240 (96%)		238 (95%).	

This year both the WRTH and the SWFG were missing a few *essential* details.

Please be aware that changes in broadcast schedules occur nearly each day and also during the period from the editorial deadline till the printed Handbook reaches the listener. It has always been so. Because of this, it is almost impossible to achieve a 100% score!

Conclusions

It is evident that the editors of both Handbooks once more have done a tremendous work to gather up-to-date broadcasting schedules and other information for the B09 period and have succeeded in this to a very high degree! Each of the Handbooks are useful for the DXer and ordinary short-wave listener. The details published are at a very high accuracy level and can hardly be much better!

An important feature when searching for and identifying broadcast stations, is their complete frequency schedules, so that all parallel frequencies can be checked, e.g. as an identification tool. The schedules are easily available and very complete both in the WRTH and SWFG, and on the SFL CD-version. (Petersen)

DX Target: Iraq

The Voice of Iraqi Kurdistan

By Richard A. D'Angelo

With the commencement of bombing during the war in 2003, the shortwave country of Iraq seemingly left the international shortwave bands. For shortwave listeners this was an unfortunate way to lose a country target. It is bad enough when governments determine it is time not to fund external broadcasting using the shortwave medium. However, what appeared on the surface to be a shortwave listener's hardship was actually an opportunity. Iraq was still heard on shortwave through the Voice of Iraqi Kurdistan through July 2008. Just as important to QSLers, was the ability of this station to verify reception reports. This DX Target will focus on the only way to log and verify Iraq in recent years; through reception of the Voice of Iraqi Kurdistan if the station returns to shortwave.

The Kurdistan Region

Iraqi Kurdistan also known as Kurdistan Region is a semi-autonomous, federally recognized political entity located in northern Iraq. It borders Iran to the east, Turkey to the north and Syria to the west. Its capital is the city of Erbil. The name Kurdistan literally means *Land of the Kurds*.

In the new Iraqi Constitution, it is referred to as Kurdistan Region. The regional government refers to it as *Kurdistan-Iraq* (or simply *Kurdistan region*) but avoids using *Iraqi Kurdistan*. The full name of the local government is Kurdistan Regional Government ("KRG").

The main four governorates of Erbil, Sulaymaniyah, Dohuk and Kirkuk with parts of Dyala and Nineva cover 18% of the total land area of Iraq. In these governorates the five million Kurdish population lives, of which two-thirds inhabit the first three provinces. This area, which constitutes more than half of the total area of Iraqi Kurdistan, is now under the control of Kurdistan

Regional Government. The remaining population inhabits the areas under the control of Iraqi government.

The mountainous nature of Kurdistan, deep valleys and plains contributes to climate changes. Low temperatures and heavy snowfalls in the winters and hot and dry summers are common variations in the region's weather conditions.

Iraqi Kurdistan is largely mountainous, with the highest point being a 3,611 meters (11,847 feet) known locally as Cheekah Dar, or black tent. There are many rivers flowing and running through mountains of the region making it distinguished by its fertile lands, plentiful water, and picturesque nature.

The mountainous nature of Kurdistan, the difference of temperatures in its various parts, and its wealth of waters, make Kurdistan a land of agriculture and tourism. In addition to various minerals, oil in particular, which for a long time was being extracted via pipeline only in Kurdistan through Iraq.

It is worthy to note that the term "Northern Iraq" is a bit of a geographical ambiguity in usage. "North" typically refers to the Kurdistan Region. "Center" and "South" or "Center-South" when individually referring to the other areas of Iraq or the rest of the country that is not the Kurdistan Region. Most media sources continually refer to "North" and "Northern Iraq" as anywhere north of Baghdad.

The Economy

The Kurdistan region's economy is dominated by the oil industry, agriculture and tourism. Due to relative peace in the region it has a more developed economy in comparison to other parts of Iraq.

Prior to the removal of Saddam Hussein, the Kurdistan Regional Government received approximately 13% of the revenues from

Iraq's Oil-for-Food Program. By the time of the US invasion of Iraq in 2003, the program had disbursed \$8.35 billion to the KRG. Iraqi Kurdistan's food security allowed for substantially more of the funds to be spent on development projects than in the rest of Iraq. By the program's end in 2003 \$4 billion of the KRG's oil-for-food funds remained unspent.

Following the removal of Saddam Hussein's administration and the subsequent violence, the three provinces fully under the KRG control were the only three in Iraq to be ranked "secure" by the US military. The relative security and stability of the region has allowed the KRG to sign a number of investment contracts with foreign companies. In 2006 the first new oil well since the invasion of Iraq was drilled in the Kurdistan region by a Norwegian energy company. The KRG has signed exploration agreements with two other oil companies.

The stability of the Kurdistan region has allowed it to achieve a higher level of development than other regions in Iraq. In 2004 the per capita income was 25% higher than in the rest of Iraq. Two international airports operate flights to destination in the Middle East and Europe. The government continues to receive a portion of the revenue from Iraq's oil exports. The KRG also has plans to build a media city in Arbil and free trade zones near the borders of Turkey and Iran. Since 2003, the stronger economy of Kurdistan has attracted around 20,000 Arab workers from the rest of Iraq to seek jobs in Iraqi Kurdistan.

The Station

The Voice of Iraqi Kurdistan ("VOK") operated on shortwave using 6,335 kHz through July 2008 according to the Domestic Band Survey No. 11 issued by the Danish Shortwave Club International in early 2009. When it operated, the station opened at 0300 UTC and could be heard in North America when conditions were good. Frequently, there was significant interference to the signal from utility stations operating in the same frequency area so careful tuning, and listening, was essential. Programs were in Kurd-

ish and Arabic languages. The station was believed to be based in Sulaymaniyah, Iraq.

The station was operated by the Kurdish Democratic Party - Iraq ("KDP"). The KDP was established on 16 August 1946 under the leadership of the late Mustafa Barzani. The KDP is the senior coalition political partner in the Kurdish Regional Government and Kurdish National Assembly. For the last five decades the KDP has lead the Kurdish. After fifty-four years of its existence, the KDP is the largest and strongest Kurdish political entity in the region. Although the KDP strongly believes in internal peace and regional stability, its party leadership has had internal disputes with the Patriotic Union of Kurdistan. Iraq's Kurdistan Prime Minister Nechirvan Barzani continues to lead efforts to curb the activities of the rebel Kurdistan Workers Party, the PKK. Turkey's government is threatening to cross the border into Iraqi Kurdistan to attack the rebels who have been launching raids into Turkey. Turkey blames the autonomous Kurdish government for not taking a tougher stance against the PKK rebels. This "hot" issue remains a major source of international tension in the region.

Radio "VOK" was the first free radio for the Kurds. It was established on 28 September 1963 during the September revolution in Kurdistan. The radio station was formed with the order of the KDP president Mustafa Barzani, who was the leader of September revolution. At the beginning, the station used a number of old military wireless equipment. These sets were joined together to form a short wave "sender." The center of broadcasting operation was a cave deep in a Kurdistan mountain of Salah-Aldeen which is north of Erbil. Naturally, the radio station was a target of Iraqi air force for many years. A number of station personnel including technicians, editors and guards were killed during these air attacks. The radio was run by the KDP. The programs of Radio "VOK" consist of news, opinion of the KDP and features Kurdish culture and music. Station identification in the Kurdish language was Aira dangi Kurdistana Iraqiyah; station identification in the Arabic language was Sawt-o Kurdistani Iraqa.

Since first appearing the station's transmitter location has shifted along with the Kurdish Democratic Party's benefactors. It broadcast with the support of Iran in the 1970's and 80's. It used Soviet transmitters in Azerbaijan for a period of time. Radio "VOK" ultimately became established in Sulaymaniyah, northern Iraq, under the protection of the United Nations No Fly Zone which was enforced after the 1991 Gulf War.

About two years ago, I heard a broadcast from the Voice of Iraqi Kurdistan and fired off an electronic reception report to the KDP office in the USA. I was rewarded with a reply in about 45 minutes from Alex Atroushi (who sometimes spells his name "Atroushi"). Although I have not seen many recent reports, hopefully the station is still operating as this would be the only way to log and verify Iraq today. If the Voice of Iraqi Kurdistan returns to the shortwave bands, electronic reports can be sent to Alex Atroushi at the station's USA address by using the following e-mail address: Pdk7usa@aol.com or party@kdp.se.

Alternatively, you can mail a reception report to the station through Alex using the following postal mailing address:


Voice of Iraqi Kurdistan

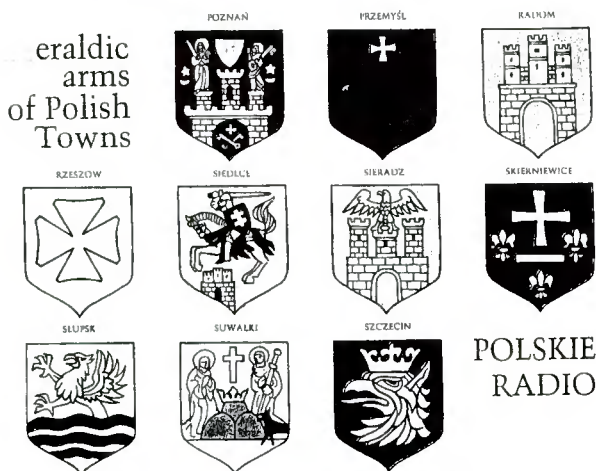
c/o Kurdish Democratic Party - Iraq (KDP)

17115 Leesburg Pike #110

Falls Church, VA 22043

Recently, I exchanged correspondence with Alex Atroushi about the current status of the Voice of Iraqi Kurdistan shortwave operations. Alex informed me that he was uncertain about its current shortwave operations status but would seek additional information direct from the station staff. I am awaiting a response; however, current shortwave information does not show this station operating on shortwave at the present time. Alex did note that during the 1960 through 2003 period (the "liberation of Iraq"), most people had only the radio as a window to the outside world. However, today many people have access to live television channels diminishing the need, or value, of radio operations.

As always, remember to send in those Voice of Iraqi Kurdistan logs to electronic *Flashsheet* editor Mark Taylor and to Wally Treibel for the *Log Report*. Of course, QSL verifications should be sent to Sam Barto for inclusion in the *QSL Report* column. Good luck with this DX Target. 



Kim's Column

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Not shortwave, and not getting through

In the past couple of months, the new technologies of international broadcasting have been in the news. Specifically, we're reading about how they are blocked in countries whose governments don't want the information to get through to their people.

The most prominent target country of late is Iran. Iran has vigorously been jamming satellite television broadcasts coming into the country. The jamming takes two forms: interference sent to the receiver on the satellite, thus obliterating the content rebroadcast throughout the satellite's footprint. Sometimes the jamming affects other channels on the satellite (or at least on the same transponder), resulting in the jammed channel (e.g., VOA, BBC) being moved to another transponder or off the satellite altogether.

The other form of satellite jamming is on the ground: interference sent right into the satellite dishes of users. This is effective only in urban areas. It also involves high levels of RF at the Ku-band frequencies, 12 to 18 GHz, in the microwave range. There have been complaints and accusations of adverse health effects due to this on-the-ground jamming.

In past years, satellite broadcasting has occasionally been assessed as superior to shortwave in part because the former is "jam proof." Now the general public can see that this isn't true. Actually what was happening was the nearly-universal observance of a gentlemen's agreement, in which countries refrained from jamming satellites for fear or their own satellite communications being jammed.

Iran's aggressive departure from the gentlemen's agreement may bring about a new era in satellite broadcasting, one more similar to the Soviet jamming that pervaded shortwave during the Cold War, and the Chinese jamming that still does.

I know that NASWA has members more knowledgeable than I am about techniques of satellite jamming, and of evading this jamming. It would be interesting if they could share what they know in the Journal, and perhaps compare and contrast shortwave and satellite jamming.

Business pressure can also block satellite content

Business pressure is more often than electrical interference the cause of content not getting through. Writing in *The Guardian*, Garry Kasparov (yes, the chess grand master), wrote that the television channel *Perviy Kavkazskiy* "was, until the end of January, freely available to people living in Russian-speaking areas. Now, Eutelsat—the leading European satellite provider based in Paris—has taken the channel off the air and refuses to implement the contract negotiated with the TV. It seems the Russian company Intersputnik made Eutelsat an offer it couldn't refuse on 15 January, holding out the possibility of millions of dollars in business with the media holdings of Russian gas giant Gazprom on the condition that Eutelsat stop doing business with First-Caucasian. Eutelsat capitulated and sent a disastrous message to the world: no Russian-language television that is not controlled by the Kremlin will be allowed to be aired in the Russian Federation. Even if it is based abroad. Even if it has a contract with a European satellite provider. The English-language satellite channel, *Russia Today*, did not face such problems with European satellites."

Blocking, then unblocking, the internet, then blocking the unblockers

Iran is also blocking internet content in its various forms, including websites, social media, and e-mail. I've been reading accounts from those who are confident that workarounds can be found to get internet

data in and out of Iran. Others, by contrast, are downright pessimistic in this regard, conceding that Iran has squeezed the information flow.

Here again, a NASWA member who has expertise in the internet might explain to us how blocking internet compares to jamming shortwave.

I know this much: internet communications within Iran generally involves landlines within Iran. Shortwave and satellite communications have the advantage in that their content drops into the country wirelessly. We all know the special advantage of shortwave in this regard: frequencies that favor propagation from afar usually do not favor propagation from nearer-by. This puts shortwave jamming transmitters at a disadvantage if they are located within the target country.

One software company, Haystack, claims that its product "encrypts online communication and then cloaks it to appear like normal Web traffic." An executive of rival technology Tor said that Haystack "has not opened it up for research ... No one has seen a copy of (Haystack's) specifications. There is no way we can understand if the claims that are made (by Haystack) are true."

Internet radio: similarities to shortwave radio

Internet radio has already been widely implemented as a substitute for shortwave radio. The internet also provides a way for us to hear domestic radio stations throughout the world that were never available to us on shortwave. But just as shortwave radio has limitations, internet radio also has limitations.

Glasgow-based internet station Radio Six International recently celebrated its tenth anniversary with a live broadcast, rather than the usual pre-recorded programs from Glasgow, Edinburgh, Belfast, Derby, London, West Virginia and Los Angeles. A very international station. But the news account noted: "Being an internet station, there will be, at any one time, only a limited number


of people able to 'tune in', because of bandwidth restrictions." So, on shortwave, ability to receive a domestic station is largely a factor of its transmitting power combined with propagation. Via internet radio, it is a factor of its bandwidth combined with the level of net congestion.

Major international broadcasters had less difficulty reaching their targets because of higher powered transmitters and networks of relays. Similarly, the big international broadcasters use content distribution services such as Akamai to ensure that the size and distribution of the audience present fewer problems for internet-delivered video and audio content.

Fascinating 1960 documentary about RFE

Here's a lengthy URL to type into your browser: <http://www.youtube.com/watch?v=wEXlZ6atcRs> It's a 1960 documentary produced by KCMO-TV (Kansas City) about a visit by 60 Americans to the RFE studios in Munich, and to its transmitter site in Gloria, Portugal.

At one point, the narrator says: "RFE, supported entirely by contributions from Americans to the Radio Free Europe Fund, has gained a reputation for truth and reliability in its five target countries, despite the best efforts of the Communists to discredit it." It's ironic that a sentence touting RFE's 'reputation for truth' contained a clause that was not true. RFE was, in those days, mostly funded, covertly, by the CIA. Contributions from Americans contributed an average of 19 percent of RFE's budget during the 1950s. That would have been sufficiently impressive. And it would have had the added benefit of being the truth, helpful given that international broadcasting efforts depend on credibility above all else."

Views expressed are my own. More at www.kimandrewelliott.com, posts to which can be "followed" at twitter.com/kaedot-com (with no boring personal stuff). 

Adrian Peterson's Diary

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Listener Request: Radio Broadcasting in Tajikistan - Part 1

A while back, one of our listeners in India, Neelakandan Visvanathan in Tamilnadu, sent us an email message containing a request. He stated that it is difficult to obtain adequate information about the radio broadcasting scene in the former Russian republics in Asia, and he requested that we present an up-to-date Station Profile on each of these countries.

This is an excellent suggestion, Neelakandan, and over a period of time, we will follow your suggestion. On this occasion, we present the first Station Profile in this short series on former Russian Republics in Asia, and we choose the new country, Tajikistan.

As the encyclopedias tell us, Tajikistan is a landlocked country, surrounded by five other countries: China, Afghanistan, and three of the other former Russian republics. This country is very mountainous, 93% actually, with mountain glaciers forming the source of all of their rivers.

In 1910 there was a major earthquake in Tajikistan and as a result a huge lake was formed, Lake Sarez. Even down to this day, there is a continuing fear that another earthquake will loosen the dam holding back the waters and massive flooding will take place.

Tajikistan is an irregularly shaped country 500 miles long with a total area of 55,000 square miles. The total population is around seven million and their capital city is Dushanbe with one million. During the earlier Russian era, the city was known as Stalinabad but in 1961 it was re-named Dushanbe which means Monday in their language, a reminder that their market day in olden times always fell on a Monday.

The early history of Tajikistan goes way back some 5,000 years to the era of its original settlers. This territory was once part of the ancient Persian Empire; and in successive eras, it was conquered by Alexander the Great, and then by the Arabs from neighboring territories, followed by the oriental Mongols, and then by Afghanistan.

In the 1860s, the territory of Tajikistan was claimed by Russia. In 1929, Tajikistan was granted full republic status under the Soviet Union, and at the time of the breakup of the Russian Empire, this republic, along with several others, declared its own independence on December 21, 1991.

The people themselves are known as Tajik, and they speak the Tajik language which is akin to Persian, and very closely related to other neighboring languages, including Dari in Afghanistan and Uzbek in Uzbekistan.

According to the Russian Encyclopedia, the first radio station in Tajikistan was launched in the year 1928. This would have been an experimental facility, which, it would appear, did not remain on the scene for very long.

However, two years later, the provincial government announced plans to formulate a radio broadcasting service, and two years later again the State Committee for Broadcasting was established. Their original radio broadcasting station was established in Dushanbe in 1933 under the Russian call-sign RV47, and it was on the air with 2-1/2 kW on the longwave channel, 712 metres, corresponding to 420 kHz. Programming was broadcast for a couple of hours each day and it was presented in three languages, Russian, Tajik and Uzbek.

In Tajikistan, there are now three major radio transmitter stations. The oldest of these was constructed in 1933 and it is located in downtown Dushanbe, right next to the large Oktober Hotel. Transmitter Hall No. 1 in this double facility contains six mediumwave transmitters; 5 at 7 kW and one at 40 kW, all for local coverage. Transmitter Hall No. 2 contains five shortwave transmitters; 1 at 1 kW, 2 at 5 kW, and 2 at 20 kW, all for regional coverage, with communication traffic and broadcast programming.

The massive transmitter station located near Yangiyul, fifteen miles south of Dushanbe, was constructed during the Russian era and it originally contained eight Russian made shortwave transmitters at 100 kW each. Separate Transmitter Halls are located between the towers and antenna systems which extend over a distance of two miles. In addition, there were three other transmitters; 1 at 50 kW and one at 150 kW for use on mediumwave, as well as the 150 kW longwave unit.

Currently, it is estimated that eight of these transmitters; one longwave, two mediumwave and five shortwave; are all in active on-air usage.

The newest transmitter site is located at Orzu near Kolkobabad, some 60 miles south of Dushanbe. This super powered site was constructed in 1971, and it contains a bevy of transmitters and antenna systems. On mediumwave, there were two transmitters at 1 megawatt each, as well as one at 150 kW and one at 40 kW. On shortwave, there were four transmitters at 500 kW each, and these could be operated at half power, or they could be combined in pairs to radiate one megawatt on shortwave channels.

In addition to the three massive transmitter complexes just described, there are currently three additional regional locations,

each with its own mediumwave transmitter, thus ensuring nationwide coverage of their country from the one central location in Dushanbe.

All of the programming from the multitude of radio broadcast transmitters throughout Tajikistan is produced and co-ordinated at the studio complex located in Dushanbe. This is a seven story blue building that looks like a Russian theatre in its design.

Programming for nationwide coverage is presented in two networks, TR1 and TR2. Translated into English, the titles of these two networks would read, Radio Tajikistan National Network and the Voice of Dushanbe. This programming is presented in three languages, Tajik, Uzbek and Russian. In addition, nationwide relays from Radio Moscow are also heard throughout the country.

As a back up for their longwave and mediumwave coverage during the past more than half a century, shortwave has also been in use. Originally a pair of 25 kW transmitters were inaugurated on two separate channels, though these were subsequently replaced with 50 kW units. For a long period of time these two units were heard on 4635 and 4975 kHz. These days, one channel is still apparently in use, 4635 kHz.

It should also be stated that television was introduced into Tajikistan in 1959, and the first known FM stations were installed around 1993. In recent time, locally owned FM stations have been permitted to go on the air in various parts of Tajikistan.

Well, that's as far as we can go in Part 1 with the story of Radio Broadcasting in Tajikistan, but remember, we are planning to present Part 2 of this interesting information in Wavescan next week.

Listener's Notebook

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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.

ARGENTINA 15344.87 **RAE** Buenos Aires in German at 1707 on Jan 28th. Mail from RAE German service, of Jan 22: RAE Buenos Aires technicians have got the new transmitter tube and repaired the 11710v/15345v kHz unit. Station is again on air from yesterday Fri Jan 22. (Wolfgang Büschel, wwdxc BC-DX TopNews Jan 22/28) 15344.89...88 by RAE Buenos Aires more than fair S=8 level signal, on weekends in usual Spanish section at 1930. (Wolfgang Büschel, wwdxc BC-DX TopNews Jan 30)

ASCENSION ISLAND *Radio Bar-Kulan / Meeting Place*, from March 1, 2010. 0500-0600 unid. ASC 250 kW 065 deg to CEAF Somali, 25/22/19 mb? [# ?11785? Mauno Ritola-FIN, DXplorer Feb 19; non Fri/Sats? wb.] 1600-1700 17700 ASC 250 kW 065 deg to CEAF Somali, A-10 same (WWDXC TopNews)

AUSTRALIA For the upcoming A10 season starting on March 28, Broadcast Australia, the transmission provider for *Radio Australia*, plans to use this array of offshore relays: Dhabbaya—Burmese and English; Kranji—Burmese and English; Palau—English, Mandarin, Indonesian, Burmese; Taiwan—English, Indonesian, and Mandarin. This expanded relay usage is a consequence of the impending closure of the Darwin complex on Jan 31 by the owner, Christian Vision Communications. From Feb 1, CVC SW transmissions are listed for Tashkent, Lusaka, and Santiago. The Darwin facility will be mothballed—six transmitters, directional antennas, and associated infrastructure. It is not known whether the facility will be sold to any other organization—to do so would require an extensive, protracted and complex process, which would need Federal Government approval. (Bob Padula, Melbourne, Australia/DXplorer & EDXP Forum)

As from 0001 UTC, Feb 1, no R. Australia or CVC transmissions from Darwin have been

traced, and it's assumed that the facility has been taken off line, as anticipated. CVC continues to broadcast on SW through its relay in Tashkent, and via its own transmitters in Lusaka and Santiago. From 1 Feb, RA relays are adhering to this schedule (subject to change):

5935	Dhabbaya	2200-2230	Indon
5955	Dhabbaya	2300-2330	Burmese
9890	Palau	1300-1430	Mandarin
9965	Palau	1600-1630	Burmese
11550	Taiwan	0400-0430	Indon
11550	Taiwan	2300-2330	Indon
11745	Taiwan	0500-0530	Indon
11760	Taiwan	1300-1430	Mandarin
12040	Palau	2200-0000	English
15225	Palau	0000-0030	Indon
15240	Taiwan	2200-2330	English
15290	Taiwan	0600-0630	English/Indon
15335	Taiwan	0000-0030	Indon
15590	Palau	0500-0530	Indon
15655	Palau	0100-0130	Burmese
15780	Palau	0400-0430	Indonesian (alt: 15785)
17880	Dhabbaya	1100-1300	English

Note: A10 frequency usage, effective Mar 28, is planned to include a new relay via Kranji (SNG). There will be widespread changes to several freqs for RA from Dhabbaya and Palau. (Bob Padula, Melbourne, Australia/NASWA Yahoo Group)

Radio Symban 2368.5 very shortly will go to air with minimum 400 watts for the time being then to a 1kw. (Wright/Jan-Feb ARDXC) 2368.5, Radio Symban (presumed). 1440-1505, Feb 4. At tune in heard faint singing; hovering at threshold level; signal very slowly improved; by 1445 was able to confirm was Greek music I was hearing along with the singing; seemed to be non-stop songs, as I only noted a short break in the music at ToH and then more singing; unable to make out any announcer. This reception was just before my local sunrise (1507) (Ron Howard/NASWA Yahoo Group) Radio Symban Marickville NSW 2368.5. "birdlife", QSL received in 11 weeks no rp. FD on reverse no V/Signer. (Interesting birdlife). (Hambly) Radio Symban, 2368.50, Australian native birds postcard (complete with topless bikini babe) with full details handwritten on back in 18 days. (Bastow/ARDXC)

AZERBAIJAN 9677.51, *Ädälän Säsi Radiosu*, Stepanakert, Nagorny Karabakh, *0600, Jan 27, Azeri, IS+ID "...Stepanakert

Ädälän Säsi Radiosu" and news, 35442.
(Robic/DX Window)

BAHRAIN *Radio Bahrain* confirm still active, but can catch their weak signal only from 1700-1755 in the CNR silent period. Usual Western DJ type programme on 6010. (G. Victor A. Goonetilleke via DXplorer) 9745U R. Bahrain at 2141 Segued Middle Eastern vocals with accompaniment by uds and other instruments. Weak with QSB; audio seemed to fade up and down at times. Announcement at .2200 UT by man just before being completely blocked by co-channel CVC s/on. Heard Feb. 8 and 9 but not since. (Bob Hill/DXplorer)

BHUTAN Thimpu has been behaving rather erratically, so much so that it is difficult to know what to expect when you turn the dial to 6035. This time of the year, Northern Winter is the best time to hear them in Europe, North America and even here in South Asia. The problem has been their HF transmitter. It appears their 100 kW is down and they are running their old 50 kW, but I dare say it's anything more than a few kilo watts at the most. (WRTVH 2010 says running at 10kW) Even this morning 30/1/10, at 0125 I could hear a very weak Bhutan on 6035, I would say readability just about 2 and strength also the same. The station is also heard around 1330 and appears to s/off at 1400. Very hard to read, but when you know the language sounds you know it's them and the carrier goes off at 1400. However, the best ever reception I got from them was at 0820 or so on the day of the Eclipse and that's at 1.40 p.m. here in the tropics. The station doesn't appear to come on at 0000, or 0030 as in the past. We will keep watching and I urge DXers to get on it and observe as much as possible. By the way Bhutan is UTC+6 hours so according to their daily sked they should start at 0000, but during winter conditions at 0000 the ionosphere in these low Sunspot years won't hold propagation at almost a vertical return angle needed for local area coverage on 6 MHz. (Victor Goonetilleke/Union of Asian DXers)

BOLIVIA 4699.98, *R San Miguel*, Riberalta, 2245-0115, Jan 21, 22, 23, 26 and 27, Spanish religious talk, mentioning "Santa Maria", songs, mentioned Santa Clara and Santa Cruz; back on the air and booming in! 35333. (Bernardini, Petersen and Wilkner/DX Window)

BRAZIL 3364.95, *R Cultura*, Araraquara, SP, 0950 several days. (Wilkner). Also heard at 0029, Feb 01, multiple Portuguese IDs and

jingle, local songs, formal ID at 0100, best signal for some time. (Bell)

5970, *R Itatiaia*, Belo Horizonte, MG, 0123, Jan 21, sport football game, fair. (Bernardini)

6009.96, *R Inconfidencia*, Belo Horizonte, MG, 0118, Jan 21, sport: "Gooooooooooooo!", weak. (Bernardini)

6070, *R Capital*, Rio de Janeiro, RJ, 0147, Jan 28, male evangelist in Portuguese, alleluia's, crowd response, slightly distorted audio, fair. (Bell)

9695, *R Rio Mar*, Manaus, AM, *1100-1115, Jan 23, opening ann, ID: "Radio Rio Mar, Manaus", temperature: "Máxima 32°, mínima 25°", "Sete horas na Amazonia", ann: "Radio Rio Mar, compromisso", "Sete horas un minuto", advs, another ID: "Radio Rio Mar, onda media..., ondas curtas, 9695 kHz, faixa de 31 metros y 6160 kHz, faixa de 49 metros, Radio Rio Mar, Manaus, Amazonia, Brasil", 24322. Heard earlier on Jan 30 at 1009-1025, Brazilian songs, news, 23322. (Méndez) [All of the above via DSWCI DX Window]

A new Christian shortwave station has begun transmissions. Voz Missionária is located in Camboriú, in the state of Santa Catarina in Southern Brazil. Voz Missionária, which has been heard identifying also as Rádio Paz no Vale, broadcasts on 5940 in the 49 meter shortwave band. The station is run by Gideões Missionários da Última Hora (GMUH). Voz Missionária can be contacted by writing to Rua Joaquin Nunes, 244, Caixa Postal 2008, Centro, Camboriú, Santa Catarina 88340-000, Brazil, or by phone at +55-47-3404-8721. The station has been reported heard by several DXers in South America since the beginning of December. (DXing.info/ARDXC)

Radio Senado 5990 sent me a QSL card written in Portuguese for my reception report in Portuguese with 1 IRC after five months, by Ms. Marcela Maceda Diniz, reporter and presenter. She also wrote me a kind letter in Japanese. "senado" means "senate", this is the senate operated station to inform the activities of the Brazilian senate. Address: Senado Federal Praca dos Tres Poderes, Anexo II - Bloco B - Terreo, Brasilia/DF Cep: 70165-900, Brazil. E-mail: <radio@senado.gov.br> or <ondascurtas@senado.gov.br>; Telephone: +55 61 0800 612211 FAX: +55 61 3311 4239; URL: <http://www.senado.gov.br/radio>. The QSL card and some photographs of the station are shown in my home page <http://>

www5a.biglobe.ne.jp/BCLSWL/
QSL1002.html. (Takahito Akabayashi, Tokyo-
JPN, wwdxc BC-DX TopNews Jan 31)

BULGARIA Bulgarian President Georgi Parvanov bestowed the Bulgarian National Radio (BNR) with the President's Badge of Honour. This happened at an official ceremony on the Coat of Arms Hall in the Presidency on Jan 25 on the occasion of the 75th anniversary of the radio. The prize was given to the radio's director general Valeri Todorov. President Parvanov explained that the radio deserved this distinction due to its leading position in the Bulgarian radio air in covering the social, political and cultural life of Bulgaria and its extreme speed in informing its audience. The President underlined the important role of the BNR in maintaining the connection with Bulgarian emigrants abroad. He also stated that the radio was an important factor for consolidating the reputation of Bulgaria worldwide with its broadcasts in 11 languages that could be heard far beyond Bulgarian national borders. The 75th anniversary of the Bulgarian National Radio was marked with a festive concert at Ivan Vazov National Theatre and a ceremony for granting its traditional annual awards named after the radio's first director Sirak Skitnik. Earlier today, a special postal stamp was validated, dedicated to the radio's anniversary. (http://www.bnr.bg/sites/en/News/Pages/en2501_B16.aspx via Gupta/DX Window)

CANADA VT Communications Relay from Sackville to North America:

Voice of Vietnam

0100-0125 on 6175 English
0130-0225 on 6175 Vietnamese
0230-0255 on 6175 English
0300-0325 on 6175 Spanish
0330-0355 on 6175 English
0400-0425 on 6175 Spanish
0430-0525 on 6175 Vietnamese (DX Mix)

CHINA 3900, *Hulun Buir PBS*, Hailar, 2335-2345, Jan 19, Chinese talk and light music, 35333. (Petersen)

3950, *Voice of China/CNR-1*, 1450-1510, Jan 21, new frequency with Chinese talk and music, 43443 heard // 4460 and 4800. QRM co-channel Xinjiang PBS, Urumqi also in Chinese // 5060. (Petersen)

3990, *Xinjiang PBS*, Urumqi, 2340-2350, Jan 19, Uighur interview, 43544 // 4980 and 6120. QRM weaker, co-channel Gannan PBS and Croatia on 3985. (Petersen) 3990 Xinjiang PBS, Urumqi, at *2330-2347 UT on

5 Feb 10, IS+IDs, Uighur, fqs announcement, talks, phone-ins; 44433; //4980, 6120 kHz poor (QRM), 7205 kHz poor (QRM). (Carlos Goncalves-POR, wwdxc BC-DX TopNews Feb 9)

4905, *Xizang PBS*, Lhasa, Tibet, 2120-2305, Jan 26, 27 and 28, Tibetan ann, talks, phone-in's and Tibetan folksongs. New English "Holy Tinet" broadcast at 2230-2300, talks about Tibetan history, music and song, 2300 Tibetan news // 4920, 5240, 6110, 6130, 6200 and 7385, 45344. (Petersen) [Above via DX Window unless otherwise noted]

5050, *Guangxi Beibu Bay Radio*, 1424, Feb 6. Brief bit in English; "I am Eric Maskin, the 2007 Nobel Laureate in economics. The launch of CAFTA [China ASEAN Free Trade Area] to bring mutual benefits to all the countries of ASEAN. I think it is a very exciting development. I look forward to seeing what happens"; CAFTA came into existence on Jan 1 and is the world's third largest free trade zone; into "Top Music" show of EZL songs; in Vietnamese with only the program name in English. Even though this station primarily plays music, they obviously emphasize the economy of the Guangxi Zhuang Autonomous Region and the Beibu Bay Economic Zone in their news and as reflected on the BBR website. (Ron Howard/NASWA Yahoo Group)

6030, *CNR-1*, 1505-1550, Feb 3. Thanks to the timely tip from Dan Sheedy, I can confirm the frequent use of English IDs, along with promos consisting of a montage of Chinese and English audio bits; "C-N-R evening news", "The sounds of China evening news", "An audio feast in the making", "Global vision", "Feel the pulse of the world", "News of the day", "A preview for tomorrow", "This is C-N-R, China National Radio. You are listening to C-N-R news". News in Chinese; // 7230. Noted a weak sign-on of Radio Oromiya at 1522; not as strong as my Jan 29 reception. (Ron Howard/NASWA Yahoo Group)

7295, *Xinjiang PBS*, Urumqi, 1200-1230*, Feb 11, Kyrgyz ann, local songs and music, 1210 talk and songs, 1230 Beijing IS twice and off, 15121 // 9705 (25222). (Petersen/DX Window)

CLANDESTINE 4786.00, *Voice of Iranian Kurdistan*, via Salah Al-Din, Iraq, 0425-0445, Feb 13, Kurdish ann and martial song, 0432 Farsi talk, 33433, at 0425 jumped from 4780 and jammer followed. (Petersen/DX Window)

5910, **Shiokaze—Sea Breeze** via Yamata, 1402, Jan 28. Surprised to hear them with English on a Thursday; scheduled *1400 to 1430*; tuned in to the usual information about COMJAN; personal data about Japanese abductees believe taken to N. Korea, starting with a 1967 abduction; this format is usually carried on Wednesday; heavy jamming, which was noted before 1400 and still going at 1454. So will Friday be a second day in a row of English? (Ron Howard/NASWA Yahoo Group)

7385, **Miraya FM Radio** via IRRS, via Rimavska Sobota, Slovakia (150 kW 165 degrees), 0300-0600 English and Arabic to East Africa, additional morning transmission. (Ivanov via BC-DX and Jaisakthivel/DX Window)

11785, **Southern Sudan Interactive R Instruction**, via Meyerton (100 kW / non-directive), 1600-1700 Sa-Th Arabic to East Africa. (Ivanov, via BC-DX Feb 08/DX Window)

15195, **Meleket Ethiopia R**, via Samara, *1600-1630, Jan 20, Amharic, ID, news and talk about Ethiopia, 34433. (Robic/DX Window)

15670, **Miraya FM Radio** via IRRS, via Rimavska Sobota, Slovakia (150 kW 165 degrees), 1400-1700 English and Arabic to East Africa, new frequency, ex 1500-1800 on 9825. (Ivanov via BC-DX and Jaisakthivel/DX Window)

17680, **IRIN Radio** (Integrated Regional Information Network), via Dhabbaya, UAE (250 kW, 225 degrees), 0830-0930 in Somali to East Africa. (Ivanov, via BC-DX, Feb 01/DX Window)

CYPRUS Cyprus Broadcasting Corporation
2215-2245 on 6180 to SEEu Greek Fri-Sun
2215-2245 on 7210 to SEEu Greek Fri-Sun
2215-2245 on 9760 to SEEu Greek Fri-Sun
(DX Mix)

CZECH REPUBLIC Radio Prague
“condensed” new B-09 English spring schedule to March 27:
0800-0827 7345 N.W. Europe
1000-1029 21745 W. Africa
1130-1157 9880 N. Europe
1400-1429 11600 S. Asia
1700-1727 5930 N.W. Europe
1800-1827 5930 N.W. Europe
2100-2127 5930 N.W. Europe/N. America
2230-2257 7355 C.&W. Africa
2330-2357 5930 N. America
0100-0127 7355 N. America
0200-0227 7355 N. America

0400-0427 7345 N. America
0430-0457 9855 E. Africa/ Mi. East
(Wolfgang Büschel, wwdxc BC-DX TopNews Jan 28)

ENGLAND Winter B-09 Schedule of VT Communications Relay via Rampisham:
Cotton Tree News
0730-0800 on 11875 to CeAf English/Local (DX Mix)

ETHIOPIA 5060 Eritrea's **Radio Bana** on new freq Heard on 5060.0 from former 5100. Observed in vernaculars with Horn of Africa music. Talk at 0430, possible news and music. (Anker Petersen/PlayDX)

6030, **Radio Oromiya**, 1517, Feb 6. Already on the air with repetitive HOA music and singing. Weekends (observed on a Saturday) have an earlier sign on than the weekday *1522. It was Bruce Churchill who first noted the difference (Thanks Bruce!); heard through CNR-1. Seems this one is no longer all that rare anymore! (Ron Howard/NASWA Yahoo Group)

7165, **R. Ethiopia**, 1537, Feb 6. Pop music and HOA music in vernacular (Afar scheduled); 1600 xylophone like music (very similar to the Radio Oromiya IS); “This is the external service of Radio Ethiopia broadcasting in English in the 31 meter band and 41 meter band in shortwave and 303 meters on medium wave. Our program begins with a news summary”; pop songs in English; many brief news items with music bridges; 1630 another “external service of Radio Ethiopia”; news in English; causing QRM for hams; mostly poor. (Ron Howard/NASWA Yahoo Group)

FRANCE DRM: 6015 @ 1400, ID: “The Disco Palace” (A06021), Issodun (actual carrier switched on at 45 seconds late), pop music - “If I can't have you” by Yvonne Elliman, then Star Wars theme by Meco (disco version, not the John Williams one). Canned, sung ID at 1415: “All night, feel the music - Disco Palace”, then back into music - Dr Hook (When You're In Love With A Beautiful Woman). Bit Rate: 20.96kbps Stereo; SNR 22dB; Last track/album info given at end of song, in info box (using Dream software). Website given as <http://www.thediscopalace.com> and email as info@thediscopalace.com. Some very brief dropouts at the beginning, like the signal was being clipped—may be software related but not noticed on any other DRM signal, seemed to settle down after about 5-10 minutes. (Sean Gilbert, International Editor - WRTH/DXplorer)

GERMANY 5980, *Hamburger Lokalradio*, via Kall-Krekel (1 kW), 1035-1057, Su Feb 07, German talk about Nazism, old German songs, 35343. Kall-Krekel was heard on 6005 at the same time with their own programme. (Petersen/DX Window)

6005, **R 700**, Kall-Krekel (1 kW), 0850-1055, Feb 04, 05 and 07, German talk about the former USSR, Ukraine and Belarus with Russian songs, frequent ID's: "Radio Sieben Hundert auf 6005 kiloHertz", German pop songs and news, 35343. (Petersen/DX Window)

GREENLAND 3815 USB, *KNR*, Tasilaq, 2140-2214*, Feb 09, 10, 11 and 12, Greenlandic news, report from a meeting, jazz, 2200 Danish news with several words understood: "praestestyret i Iran", "Irans Praesident Ahmadinejad", "hvad der foregår" (what takes place), "... beslutningsproces og det er en ting, vi skal forsøge at implementere i Groenland" (decision-making process which we are going to implement in Greenland), closing ann: "Hermed slutter radioavisen. Vi kommer igen i morgen." (That is the end of the news. We will be back tomorrow), 2210 music and no further ann, 25322 - 35333. They sent me with a nice QSL-letter with the text: "We hereby confirm your reception of the 3815 kHz transmitter. This equipment are used to relay the ordinary KNR news to ships in the Denmark strait. Best regards, Aasiaat radio (master)". Stamped by verie signer Chief of Operations Mr. Bo Mogensen, TELE Greenland A/S, -1 FEB. 2010. It included also a nice photo of OZL Ammassalik radio located 65°36N 37°38W. Postal address: TELE Greenland A/S, Teleservicecenter Aasiaat, Postboks 217, DK-3950 Aasiaat, Greenland. The mail took only 7 days from I sent my report with 2 USD. Thank you to Wiespointner for this effective address. (Petersen/DX Window)

INDIA 4850, *AIR Kohima*, Kohima, 1308-1315, Feb 2. Weekly "local talent" show; 1315-1340: Naga program starts and ends with indigenous theme music; 1340-1400: news in vernacular, followed in English (Amar Singh and Jaya Prada expelled from party due to anti-party activities, two days of competition started today "local time" for Naga style wrestling, etc.); 1400-1440: "Hello Nagaland", into music request show playing some Grammy winning songs, the next session of this show will be on "Thursday at 7:30" (1400); 1440-1445: English talk show "The success of NREGA in Nagaland", National Rural Employment Guarantee Act guarantees a hundred days of wage employment; 1453

suddenly off the air; heard IDs with new format: "You are now tuned to the Kohima station of All India Radio", plus heard the usual "This is All India Radio Kohima"; mostly fair, at times good. Great to hear all their local programming and IDs! (Ron Howard/NASWA Yahoo Group)

4990, Note *AIR Itanagar* back on the air after being off for about 2 weeks. 1400 UTC local music. AIR Kohima has local EE news at 1355 daily. Good for programme details. 4850. Station goes off the SW freq at 1400v while MW/FM goes on. (G. Victor A. Goonetilleke 4S7VK/Dxplorer)

9425, *AIR Bengaluru*, 1435-1502, Jan 27. Wednesday edition of "Vividha" in English (also on Mondays); interview with Dr. Renu Malaviya, Associate Professor, Lady Irwin College, University of Delhi, about autism; reads poems about women; this is "Girl Child Week" in India; fair (Ron Howard/NASWA Yahoo Group)

With the evolving technologies and continuous research in the broadcasting domain, the working scenario has witnessed a major shift from the conventional means. Well, the television broadcasting is fuming with HD and 3D, for Radio the US has sought refuge in HD Radio and the European and the Asian region is shifting towards the DRM model. Digital Radio Mondiale (DRM) is the one of the standardised system for digital broadcasting of radio that aims to provide affordable digital quality of sound and data services to the radio listeners for MW and SW bands.

India's national broadcaster, AIR is one such radio broadcasters that has already adopted the DRM standard and has installed a 250 kW short wave transmitter at its Khampur facility in Delhi. Expanding on this offering, AIR has placed an order for the supply of two 1000 kilowatt DRM capable medium wave transmitters. These will be deployed at Chinsurah (West Bengal) and Rajkot (Gujrat) facilities of AIR replacing the analogue transmitters.

The order is a step by the national radio broadcaster, having the widest reach in India, to digitize its operations and switch over from the existing analogue transmission facility. During the recently concluded BES Expo 2010, held in the national capital, AIR marked out that the broadcaster intends have more than 40 DRM capable transmitters replacing/ upgrading its analogue transmitters. (Media Mughals Network via Gupta, Feb 08/DX Window)

INDIA (Goa) Incidentally the SW transmissions from *AIR Panaji* are not fully operational now. (Jose Jacob-IND VU2JOS, DXIndia Feb 3)

INDIA (Kashmir) 4950, *R. Kashmir*, 0149-0219*, Jan 25. Seems their sign off time varies some (scheduled 0215*); perhaps in Hindi, with subcontinent music; poor; best in USB to get away from Angola carrier (Ron Howard/NASWA Yahoo Group) 4950 AIR Srinagar hrd at surprising lvl 2/1 at 0135 tune in w/ Quran recitation, man ann, local music (vocal/inst), man ann, more local mx w/ man talking to past 0200. This station is rare here on long path but S. Asian stations have been above average on 60 mb in the past week or so. SINPO 2+5443, with slow fade starting after 0200. Station sched is nominally 0120 to 0215. Best this station has been hrd here either short path (local sunrise) or long path (local sunset). Have hrd Kashmiri stations (Leh, Jammu and Srinagar) from Global Tuners (usually UK-based) but here in SoCal these three stations are rare at best. The Perseus SDR rcvr was a real enabler for this as there was a strong het about 150-200 Hz below Srinagar (perhaps Angola?) that I was able to complete remove by shifting the 3.28 KHz passband up in freq. My Wellbrook loop was aimed at India which also boosted the signal lvl. (Bruce Churchill-CA/DXplorer)

INDONESIA 3976.02, *RRi Pontianak*, 1510, Jan 27. In Bahasa Indonesia; concert of western classical music; mentioned names of "Conductor" and "Concertmaster"; held at "Jakarta Auditorium"; pop Indonesian songs; 1600 several "Radio Republik Indonesia Pontianak" IDs; list of frequencies, mostly FM; poor to fair with ham QRM. Map of "Coverage Area" at < <http://www.rripontianak.com/> >, with list of frequencies, showing "3976.8 KHz" (Ron Howard/NASWA Yahoo Group)

IRAN Three international broadcasters have condemned Iran for 'deliberate electronic interference' in their broadcasts. Voice of America, the BBC and German service Deutsche Welle said the new wave of jamming of satellite services began yesterday as Iran marked the 31st anniversary of the Islamic revolution. In a joint statement, the three say the Iranian authorities were using the same satellite services to broadcast freely around the world while denying their own people programmes coming in from outside. Earlier, the US accused Iran of an 'information blockade' saying the phone network, text messages and internet had all been blocked. US State

Department spokesman Philip Crowley reiterated US calls on the Iranian leadership to grant citizens what it says are universal rights to gather and express themselves freely. 'It is clear that the Iranian government fears its own people,' Mr Crowley said. Iranians have a right to have access to information, communicate and express their views, he said. ([rte.ie/Arnaldo Slaen/DXplorer](http://rte.ie/Arnaldo%20Slaen/DXplorer))

LAOS 7145, *Lao National Radio*, Vientiane, 1330-1359*, Feb 12. In English; "This is the Lao National Radio, broadcasting from Vientiane, the National Democratic Republic. Our English language is broadcast twice daily at 1300 hours and 2030 hours local time, which is 7 hours ahead of GMT. It is transmitted on a frequency of 97.25 MHz. on FM"; local news (items emphasizing Laos negotiations to join the World Trade Organization [WTO], many people in Laos will be traveling during the upcoming New Year, etc.); "You are now listening to the Lao National Radio transmitted on FM 97.25 MHz., with our English news program"; international news; into FM programming in Laotian. 7145, *Lao National R.*, Vientiane, Feb 17. Recently this has had well above average reception. Started the English segment early today at 1324; usual news format (local and international); items about the National Centre for Environmental Health and Water Supply providing clean water, on Tuesday President Obama announced funding for new nuclear power plant, etc.; final ID and off the air at 1353, without any FM programming in Laotian. (Ron Howard/NASWA Yahoo Group)

LIBERIA See letter from Jamie La Badia under Vanuatu.

MALAYSIA ABU shortwave broadcasters meeting in Kuala Lumpur today renewed their support for the creation of a monitoring network to assess the reach and quality of their broadcasts. The backing came at a meeting of the Steering Committee of the ABU Shortwave Coordination Group, ABU-HFC.

Over the past few years the committee has been looking into the development of a monitoring unit. Audio monitoring within the ABU-HFC would be a bilateral process, with the ABU providing its support at no extra cost. Participants in the Kuala Lumpur meeting said the proposed network for ABU members could be extended to other shortwave broadcasters if required.

Among other issues discussed were ways to achieve an increase in the audience for

shortwave radio. Members noted that other, modern delivery media were overtaking shortwave with new, high quality programming. Participants said there was a need to concentrate not only on technical issues but also on good quality content. The committee also agreed to provide training content on new techniques used in coordination as well as on updated software tools on the ABU's online Media Learning Centre. (via Mike Terry-UK, BrDXC-UK Feb 3/ TopNews)

11885, *Voice of Malaysia*, 1142, Feb 10. Thanks to a tip from Dan Sheedy, I dusted off my Etón E5 and listened from home, something I have not done in a while. Dan measured this at 11884.6. I heard them in Chinese with EZL songs; fair reception and good audio; ToH 1+1 pips and into a different audio feed in Bahasa Indonesia with poor audio (mushy/muffled); many "Voice of Malaysia" IDs (both spoken and singing) (Ron Howard/NASWA Yahoo Group)

MEXICO 4800.01, *R Transcontinental de América*, Mexico D.F. (p), 0515-0530 and 0936-0942, Jan 20 and 23, Spanish religious talk and hymn, deep fades, 15311. (Méndez and Petersen/DX Window)

6010, *XEOI, R Mil*, México D.F., 0929-1039 fading out, Jan 23 and 30, Latin American and Spanish songs, e.g. by Sergio Dalma "Bailar pegados", ID: "En Radio Mil vive México", "Vive México en Radio Mil", 13221. (Méndez/DX Window)

6104.74, *XEQM Candela FM*, Mérida, 0724-0752, Jan 20, 21 and 28, Spanish, Latino-music and Jingle "Candela FM", audible until s/on of TWR via Nauen on *0752, 24322 deep fades. (Hauser and Robic). Also tentatively heard at 0145, Jan 27, long talks and some music, frequency slowly drifting up and down. Very weak. (Bernardini/DX Window)

MYANMAR Monitored sked goes like this:

5915 2315-0230, 0730v-1530*

5985 2300-0130, 0930-1600*

7200 0030-0230v 0300 weekends

9730 0300-0730, old Yangon txer

9730.85 0731-1130

TXers on 5915, 5985, 7200, 9730 from Nay Pye Taw (and you must pronounce it Naypa Taaaawi!)

Defense Forces Station in Taunggyi (10kW per WRTVH 2010 on 5770)

0030-0230, 0830-1030, 1130-1530 on 5770.

As monitored here in Colombo. (Goonetilleke/UADX)

Yangon back on 7185 0030-0230 from 7200 today, maybe a permanent move? Should be an easier catch on this clear band. Frankly though I am an active Radio Amateur, I don't mind the odd non International Broadcaster being here like Madagascar f/in 1245-1530 on 7105 //6135, and the Ethiopian and Eritrean signals! (G. Victor A. Goonetilleke via DXplorer) 7185.70, Myanma Radio, 1444-1530*, Feb 13, ex: 5915; in vernacular with EZL indigenous songs; almost fair; 1528 sign off announcement with frequencies; followed by indigenous instrumental music till off the air. Not // 5985; Myanmar not heard on 5915 or 9730.8v. Even though this frequency will cause new QRM for hams, it is infinitely better than former 5915, which had strong CRI QRM. More people should now be able to hear and enjoy this station here! Seeing as the frequency is off set, perhaps it is via Yangon and not Naypyidaw. 7185.75v, Myanma Radio, randomly from 1308 to 1530*, Feb 15. Interesting developments! Heard with TWO different Myanmar audio feeds; one was weak and clearly // 5985, while the other one was at a fair level and not // to 5915. Both in vernacular with indigenous songs. So Myanmar is clearly still on 5915, but they simply have an earlier sign off time now (sometime shortly after 1500), which mislead me to think they were off the air. By 1343 a heavy noise was heard blocking 5915 reception, which was the N. Korean jammer intended for the start of Shiokeze on 5910 at 1400, but Shiokeze today fooled them and started their half hour program up on 5985, where they caused heavy QRM for Myanmar. At 1529 noted sign off announcement with frequencies; followed by indigenous instrumental music; after the end of the music I could faintly hear the start of the English segment usually heard on 5985: "Good evening dear listeners, this is Naypyidaw Myanma Radio" and then off the air. Mauno Ritola (Finland) today noted that 5985 signed off at 1500, something I had missed, but their programming did continue on 7185.75v. Frequency definitely slightly higher than my Feb 13 reception and heard with a slight drift. (Ron Howard/NASWA Yahoo Group) Feb.18, +1425-1525+ UTC, R. Myanmar, Yangon, on 7185.783 kHz, Poor/Fair, a lot of Burmese pop mx interchanging with spoken fragments in local dialect (YL). Fortunately no BCers, no HAMS in this part of the band. Just occasionally wandering HAM's carriers. NB. At the same time there was no sign of BRM on 4725, 5985. (Vlad Titarev, Kremenchuk-Ukraine/DXplorer)

PAKISTAN ISLAMABAD, Feb 1 (APP):
Minister of State for Foreign Affairs

Nawabzada Malik Ammad Khan inaugurated the South Asian Broadcast Services under which programmes in three more languages: Nepali, Sinhala and Tamil had been launched. Pakistan Broadcasting Corporation is already broadcasting programmes in seven languages including Bangla, Hindi, Chinese, Gujrati, Pashto, Dari and Farsi. Induction of three more services would make the number of foreign services to ten.

Speaking on the occasion, the minister said Pakistan had good neighborly relations with South Asian Countries, and intended to expand them for peace and economic prosperity in the region. "Pakistan wants to further promote relations with the neighboring countries," he added. He said the foreign Policy focused on strengthening of relations with neighboring countries and Radio Pakistan had been playing a significant role in this regard. He urged media to play its due role in image building of the country abroad to counter the menace of terrorism and extremism and establish peace. He said Pakistan was facing the scourge of terrorism and extremism, and hoped it would be eliminated with the cooperation of the people.

Speaking on the occasion High Commissioner of Sri Lanka Jayalath Weerakkody said Pakistan and Sri Lanka enjoyed close political, economic and cultural relations. He acknowledged Pakistan's role in war against terrorism in Sri Lanka. Deputy High Commissioner of Nepal D.P. Bhandari said launching of South Asian Broadcast Services was an important initiative by PBC and it would further improve relations with the countries in the region. He said Radio Pakistan was playing an important role in spreading the message of peace and friendship. Secretary Information and Broadcasting Mansoor Sohail said the launching of programmes in three more languages of South Asia by PBC was vital for enhancing close cooperation with the SAARC countries. He lauded the role of PBC in projecting Pakistan's policy objectives at international level.

Director General Radio Pakistan Murtaza Solangi said it was the effort of PBC to reach out to the neighbors in dissemination of information, focusing on message of peace and cooperation. He said Radio Pakistan always stood with the people and it had played important role in fight against terrorism and rehabilitation of internally displaced persons. He elaborated many initiatives taken to make PBC a vibrant and modern organization to face the new

challenges. He said a network of FM stations in big cities will be launched soon.

The launching of new programmes would help further in promoting mutual understanding and cooperation with the South Asian countries. (T.C. Patterson/EDXP Forum)

The Frequency manager of Radio Pakistan informs me that they will once again broadcast in Nepali, Sinhala and Tamil from February 1st. The existing schedule between 0900 and 1330 via API-3 & 4 will be replaced with:

0900-1000 Bangla
1000-1030 Nepali
1045-1145 Hindi
1145-1215 Gujrati

The proposal is to use 11580 and 9345 kHz for all of these, but I informed him that both frequencies would probably receive co-ch interference. So the final choice is not yet known. At 1230-1300 Sinhali and 1300-1330 Tamil is listed for 11580 (this may be changed) and 15630. Their services in Pashtu and Dari are scheduled from 1300 on one—or maybe both—of these transmitters, so it is possible that these services will start at 1345 instead via 6235. I have no positive information about this. (Noel R. Green-UK, wwdxc BC-DX TopNews Jan 25)

PERU 4955 R. Cultural Amauta, Huanta, 2316-2328, 01 Feb 10, Quechua, talks on Defense Civil, Castilian talks too; 45433.

5120.6 **R. Ondas del Suroriente**, Quillabamba, 2320-2333, 01 Feb '10, Castilian, announcements, infos on municipal services, TCs; 34332, uty QRM. (Carlos Goncalves-POR, wwdxc BC-DX TopNews Feb 3)

PORTUGAL Sudan Radio Service to East Africa via Sines Relay
1500-1530 on 17745 English
1530-1700 on 17745 EaAf Arabic (DX Mix)

Frequency change of **RDP Internacional/Radio Portugal** from Feb.6:

1700-2000 NF 9795 WeEu ex 9455* Mon-Fri
1700-2100 NF 9795 WeEu ex 9455* Sat/Sun
* to avoid RFA in Chinese + Jammer (DX Mix)

PRIDNESTROVIE (Moldavian S.S.R.)
Latest observations show **Radio PMR** on 6240 Sunday-Thursday with the latest sked: 2200 English; 2215 French; 2230 German; 2245 English (repeat of 2200); 2300 French

(repeat of 2215); German 2315 (repeat of 2230); French 2330 (repeat of 2215); German 2345 (repeat of 2230). No English after 2300 as this frequency relays Voice of Russia from 0000. (Mark Coady/NASWA Yahoo Group)

6240—**Radio PMR** from Tiraspol, Pridnestrovye, has considerably expanded their output recently on 6240. Over the past couple of days I have monitored the following schedule: 1800-2000 Radio PMR (probably Mon-Fri); 1800 English, 1815 French, 1830 German, 1845 English, 1900 French, 1915 German, 1930 English, 1945 German. (2000-2200 Family Radio relay); 2200-0000 Radio PMR (Sun-Thurs?), 2200 English, 2215 French, 2230 German, 2245 English, 2300 French, 2315 German, 2330 English, 2345 German. Massive signal here throughout the entire span, not surprising really with up to 500 kW from Moldova beamed this way. (Dave Kenny-UK, BrDXC-UK Feb 12 via WWDXC TopNews)

RWANDA VT Communications Relay from Kigali:

Trans World Radio Africa

1300-1315 on 13765 Afar Fri-Sun (DX Mix)

SOLOMON ISLANDS In a letter to the Solomon Star, Cornelius Rathamana, General Manager of the **Solomon Islands Broadcasting Corporation** (SIBC) says that the BBC radio relay on the National AM service after midnight has had to be switched off. The people of the Solomon Islands have been receiving BBC World Service relays from the SIBC National Service since the beginning of this millennium from 11 PM to 6 AM local time next day (= 1200-1900 UTC. Ed). Mr Rathamana says, that due to high cost of electricity, SIBC will no longer be supporting the relay, as it will have to shut down its transmitters as soon as the national broadcast finishes at 11 PM. He adds that SIBC has taken this decision with full understanding that the growing BBC audience in the Solomon Islands will be deprived of this service when it is switched off. However, Mr Rathamana says, that SIBC can restore the relay, if the electricity costs of the relay times were sponsored. The annual cost for the relay on one HF transmitter at 10kW is estimated at SBD \$90,000.00 (US\$11,471). (Solomon Star Jan 21, via Sennitt, via Hauser/DX Window)

Our Austrian member, Patrick Robic, yesterday (Feb. 9) received this e-mail from the Solomon Islands: G'day Patrick. Thanks for your reception report. I can confirm that you have heard us on 5020 kHz, unfortunately our transmitter blew up the

frequency driver circuit and one of the valves so it is off air at the moment. We are working on restoring services ASAP. Thanks, Min (Min Sun, AYAD Volunteer, Solomon Islands Broadcasting Corporation, E: msun@sibc.com.sb, M: +677 74 93015. (Anker Petersen, Denmark/DXplorer & DX Window)

G'day Bob, The 9545kHz would not propagate so well right now due to atmospheric conditions. We also had a technical fault in the dual frequency transmitter (which was on 5020kHz) owing to the antenna physically breaking. We are in the process of getting it back up to 5020kHz and making a few technical changes.. as we are very far away from anything here, probably looking in the next two weeks before we are back! Thanks for listening. Min Sun, AYAD Volunteer, Solomon Islands Broadcasting Corporation, E: msun@sibc.com.sb, M: +677 74 93015 (Bob Hill/DXplorer)

SOUTH AFRICA VT Communications Relays from Meyerton:

Radio Okapi

0400-0500 on 11690 French/Lingala

1600-1700 on 9635 French/Lingala (DX Mix)

Southern Sudan Interactive Radio Instruction:

1600-1700 on 11785 to EaAf Arabic Sat-Thu (DX Mix)

WRN RTE Radio One

1930-2030 on 6225 to SoAf English (WWDXC TopNews)

UAE VT Communications Relays from Dhabbaya:

Gospel for Asia to Southeast Asia in local languages

0000-0130	6140
1600-1615	9820
1615-1630	9820 Sun-Wed
1615-1630	9820 Thu-Sat
2330-2400	6160

Sudan Radio Service to East Africa

0400-0500	7280	Arabic
0500-0600	13720	Arabic/English
1700-1730	9840	Dinka Mon
1700-1730	9840	Zande Tue
1700-1730	9840	Muro Wed
1700-1730	9840	Bari Thu
1700-1730	9840	Shiluk Fri
1700-1730	9840	Arabic Sat/Sun
1730-1800	9840	English

Trans World Radio Africa

1730-1800 9745 EaAf Oromo Fri

1800-1815 5965 EaAf Tigrinya Mon-Wed
 1800-1815 5965 EaAf Amharic Thu/Fri
 1800-1830 5965 EaAf Tigre Sat
 1800-1830 5965 EaAf Kunama Sun
 1815-1845 5965 EaAf Tigrinya Mon-Fri
 1830-1845 5965 EaAf Amharic Sun

(Via DX Mix)

TURKMENISTAN Feb 2nd at 1430 noted a weak station on 4930. Mode was carrier plus lower side band, just like *Turkmen Radio* usually had in the past. Too weak to get an ID. Today the 3rd at the same time the signal was a bit better and the language sounds Turkmen. The buzzy AIR signal on 5015 prevented me to check that frequency and I forgot to check it after AIR s/off. (Jari Savolainen, Kuusankoski, Finland/DXplorer)

URUGUAY 6045 USB, *R Sarandi*, Montevideo, 0204, Feb 07, male in Spanish with bassy voice giving formal ID which I think included the AM frequency (690) followed by guitar/harmonica blues song in Spanish, sounded like the power might have increased, fair. (Bell/DX Window)

6155 *Banda Oriental*, Sarandi del Yi, Durazno Department is currently inactive. Some days ago we had occasion to visit the station together with my dear friend Ruben Guillermo Margenet and were treated kindly by the Director of the radio home, Mrs. Nora San Martin. The official informed us that unfortunately part of shortwave equipment was disabled by a severe flood that hit the ground station transmitter that agrees with the other radio Sisters CX155 Radio Sarandi del Yi and 88.3 FM Scala. Yet Nora San Martin made it clear that their intention is to revive soon Banda Oriental frequency to bring the entire world the happenings of the Yi Sarandi, especially the achievements of poets and musicians and horse raids, which constitute an event Verdere in the region.

She, her husband, Joseph and their three children, working in the various stations that make up this family business and consider the Banda Oriental as a part or piece to be necessary because both Ms. San Martin and her husband amateurs, not fully aware only the importance but also the extent that allows short wave radio broadcasts. As curiosity is important to note that Argentina Nora San Martin was very small when her parents took her to Uruguay.

Banda Oriental studios (shared with Radio Sarandi of yi and Scala FM) are located on Calle Sarandi 428, Sarandi of Yi. The contact via telephone is 9155 (the property of the Yi is Sarandi 0367). The multimedia is also

composed of Boreal FM, broadcasting from the nearby town of Villa del Carmen. This station operates at 106.5 MHz with studios on Route 14 and F. Frontiers, Villa del Carmen, which we also visited. Each of the sons has taken charge of each of the two FM stations. Yi Sarandi of Uruguay is a town located southeast of the department of Durazno 96 kilometers from the provincial capital by the national route No. 14 to the east and 200 kilometers from Montevideo by National Route No. 6 to the north, in the limit Florida department. It is the second city of the department. It has an estimated population of 6659 inhabitants (2004). Founded on the initiative of Mrs. Dolores Vidal Pereyra in 1875 is today one of the three cities in the world that was outlined before the start of the building. (Ruben Guillermo Margenet and Arnaldo Slaen, visiting the station/DXplorer)

USA From Kim Andrew Elliott's webpage relating to international broadcasting, I learn that the budget proposal which President Obama recently submitted to Congress includes closure of Greenville transmitting station, last IBB shortwave facility in the US. Another site near Greenville recently closed, along with the one at Delano California. Stations at Dixon, California, and Bethany, Ohio, were shut down in the 1990s. Kim acknowledges that rates of short-wave listening are low in the Americas and that the present Greenville transmissions to Africa can probably be taken up by IBB from leased facilities in the eastern hemisphere, but he expresses serious misgivings about the complete absence of a Government short-wave facility on US soil feeling it could well be needed in some future crisis. One could point out to Kim that the IBB facilities on Tinian are on US soil, but that's in the far Pacific.

If this provision in the budget proposal is endorsed by Congress, the Greenville closure would be slated for the end of fiscal 2010. (30 Sept 2010)

Kim points out that under another provision in the budget submission, the BBG proposes restructuring operations at some of its overseas transmitting stations, as I understand it including Tinang [Philippines], Udon Thani [Thailand] and Iranawila [Sri Lanka]. The BBG will retain ownership of these facilities; however, it would turn over operations of these sites to a third party on a fee-for-service basis. BBC World Service took similar action in the 1990s. VT Communications operates the BBCWS transmitting stations. (T. C.

Patterson, DV7/KDØJJO, Cebu, Philippines/
EDXP Forum)

Winter B-09 of **WEWN Global Catholic Radio:**

English

0100-0900 11520
0900-1300 9390
1300-1500 13835
1500-1900 15610
1900-0100 15610

Spanish

0000-1000 11870
1000-1700 12050
1700-2400 13830

Spanish

0000-0500 5810
0500-1300 7555
1300-2200 11550
2200-2400 12050

(R Bulgaria DX Mix News, Ivo Ivanov, via
wwdxc BC-DX TopNews Jan 25)

I received a note from **WWCR's** Operational Manager in Nashville that the long established channel of 5070 has been replaced by 4775, 2300-1200. This is to avoid interference problems notified to the FCC. This means that our weekly Australian DX Report will be now be heard on 4775, 0300-0315 on Sundays (UTC), for the Americas. There is a repeat on Mondays from 1230-1300 on 15825, for Africa. (Bob Padula Feb 5 /DXplorer) Noted by RAD booming in earlier in the week. Frequency change of **WWCR#3** from Feb.3 until further notice: 0300-1200 NF 4775 WCR 100 kW / 040 deg to NoAm, ex 5070. (DX Mix)

VANUATU I am a Shortwave Broadcast Engineer, and would like to know if a station I designed is being heard here in the U.S. The station is **Radio Vanuatu**, on 3.945. I finished building the transmitters and antenna systems around the middle of July, 2009. They are running half power, (5000 watts) temporarily until I get back for the finishing touches this weekend. I will be updating some portions of the equipment, and adding a second frequency. Either 5.055 or 7.260, depending on the testing. I am leaving for Vanuatu on Sunday, the 31st. I should be testing the 5.055 frequency by the 2nd week in Feb. Here is a little tech info about the system. It's a Solid State, broadband operating in Class E. Modulation is Pulse Width. The 3.945 antenna is a 180 foot long fan dipole, around 60 feet high. The 5.055 antenna is about 90 feet long, and up about 45 feet. I have also just finished a 2,500 watt transmitter for Liberia on 4.025, but won't be putting them on for

a month or so. I just want to add that this web site is fantastic, and will be joining when I get back. I need feedback from listeners, as I am not able to put antennas up where I live currently. I build about 15 stations a year, and would love feedback on how they are being heard. Thanx, JAMIE. (Jamie La Badia <mjlabadia@mhicable.com> via Ralph Brandi/NASWA Website)

Radio Vanuatu Second Shortwave Transmitter on Air. I have just heard Radio Vanuatu on the new frequency of 5054.97m, noted with very good signals at 0715 on 19 February with talk in Pidgin about a cyclone. Running parallel to usual 3945 which was slightly better reception. There was nothing on 5055 when I did a 60 metre bandscan at 0600, and I focussed on logging Radio Apinte 4990 until rechecking the frequency just now. (Bryan Clark, Mangawhai New Zealand/NZRDXL DX Dialog list via Jerry Berg) Bryan your neighbour Steve White is the RNZ transmitter specialist and is on repairing t o u r to Vanuatu and the Solomon Islands at present. (Wolfgang Bueschel/DXplorer) 5055.000 Radio Vanuatu, 0740, Pidgin, fading-in with talk by a woman and island music. Parallel 3945. So, I wonder if 7260 is also on the air? Feb 19. (David Sharp, NSW Australia via Wilkner/NASWA Yahoo Group)

VIETNAM 9730 *V. of Vietnam* at *2100 s/ on in French ("Ici La Voix du Vietnam ...") and into news and actualities with female announcer. Somewhat choppy and with "distant"-sounding audio, but fair overall. (Bob Hill/DXplorer)

ZAMBIA Frequency change of **CVC International**, Lusaka in English to West Africa:

0400-0500 NF 5915 ex 9430
0500-0700 on 9430 ex 0400-0700 (DX Mix)

5915, **1 Africa—CVC**, 0436, Feb 9. Very strong signal! In English with religious programming, but not the usual boring programming; was actually enjoyable! DJ with African accent with "Playback" show with many Christian pop/rap songs; many "1 Africa" IDs; promo for their website <<http://www.1africa.tv> >; 0500 brief "1 Africa News"; into "Kickstart" show with Brad and Terence. After 0500 light QRM. Audio (MP3) posted at naswag "File > Sound". *0401 on Feb 15. Continues to be heard with very good reception! In English with religious programming. Will be interesting to hear what happens here once Radio Zambia/Radio One returns to the air! (Ron Howard/NASWA Yahoo Group)

The **Zambia National Broadcasting Corporation** (ZNBC) shortwave transmitters that carry the Radio 1 and 2 signals in the short wave band have developed a technical fault. ZNBC Public Relations Manager Miriam Mtonga disclosed the development in a statement to ZANIS in Lusaka yesterday. Ms. Mtonga said the situation means that listeners in remote areas will not be able to access the service. Ms. Mtonga said the technical fault requires importation of spare parts which has since been instituted by the national broadcaster. She has, however, said ZNBC is doing everything possible to normalize the situation. (Lusaka Times via Arnaldo Slaen/DXplorer)

ZANZIBAR If you have been looking for Zanzibar 11735 I am sad to say that it has been off since about the 5th of December. My last log is on the 4th and an entry on the 7th says not on the air and every time ever since. It was a 555 signals most evenings. (G. Victor A. Goonetilleke, Sri Lanka/DXplorer)

ZIMBABWE 3396, *R. Zimbabwe*. This DX season had been a disappointment to me, what with the complete absence of this station here. Recently noted reports of their return and sure enough, heard them from 0218 to 0306, Feb 1; nice, mostly non-stop Hi-Li music, in vernacular. Played the usual canned English ID from 0300 to 0304, with drums, list of cities and FM frequencies, plus the SW schedule. 4828 not heard. Am very happy to hear this one again. (Ron Howard/NASWA Yahoo Group) 3396.00, ZBC, Guineafowl, Gweru, 0150-0210, Jan 30, vernacular ann, African singing, 35333. (Petersen/DX Window)

4828, *Voice of Zimbabwe*, Guineafowl, Gweru, 1923-1925 and 2202-2209*, Jan 19 and 21, talks, 2206 choral music. Heterodyne, carrier off at 2210, 33433. (Mille and Otávio/DX Window)

6045, *ZBC*, Guineafowl, Gweru, 0045, Jan 20, hi-tempo local pop music, female anchor in Shona (probably), male announcer with "Radio Zimbabwe", later a time check for "15 minutes past 3". Irregularly heard at this time. (Bell/DX Window) 6045, *R. Zimbabwe* (presumed), 0408, Feb 9. In vernacular; talking till 0420; drums; into Hi-Li music; covered at 0430 by UNID station sign-on (in French). The language and music leaves no doubt in my mind that it was them, but no ID as such. Nothing on 3396. First time I have caught them here! 6045, ZBC/R. Zimbabwe, 0213-0311, Feb 15. In vernacular; DJ with African high-life singing; 0300 usual canned four-minute ID

in English (drums, "Zimbabwe Broadcasting Corporation, Radio Zimbabwe", more drums, long list of cities and FM frequencies); back to vernacular. Mostly poor. This confirms my Feb 9 "presumed" reception. Nothing on 3396. (Ron Howard/NASWA Yahoo Group)

UNIDENTIFIED On 27 Jan at 1615 UT tune-in noted a station with endless Quran reciting on 7130. No ID at all at any time. Strong signal and nice, clean AM modulation. Audio went off at 1700 but the carrier stayed on until 1714. A minute or two later I noted them back with Quran, now on 7160. This lasted until 1755 when they switched to 7190. And at 1858 they jumped to 7220. Then I had to leave my radio. All I could hear was that Quran recording without ID. Sounds like someone testing, but who could this be. (Jari Savolainen, Kuusankoski, Finland)

UNION OF ASIAN DXERS Finally the revival editor is about to be released via our website www.dxasia.info which features loggings from the sub continent and Asia and also an article about monitoring during the Eclipse on the 15th of January 2010. It's free to good dxers. Please send me your e-mail address and I will add yours to the mailing list (victorg@slt.lk). I had a mailbox crash and lost some requests I already had in December. Please do send me the requests again. (G. Victor A. Goonetilleke 4S7VK, "Shangri-la" 298 Madapatha Road, Piliyandala, Sri Lanka/DXplorer)

WRTH The WRTH editorial team is pleased to announce that a file containing updates to the Winter/B09 schedules is now available to download from the WRTH website: <http://www.wrth.com> and click on the "Latest PDF Updates" link. The file is 234kb in size and contains schedule updates for international and Clandestine/Target broadcasters plus details of 3 new stations. (Sean Gilbert - WRTH International Editor) Although only a modest 8 pages, the update is useful to have. Also, WRTH National Radio has been updated <http://www.wrth.com/updates_national.html>. - RAD

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 March edition of the Pirate Report. Most likely by the time you are reading this the Pirate Radio Forum at the 2010 Winter Fest will have already happened. I am sure a good time was had by all!

The bands have been very HOT this month and getting hotter as the Fest nears.

I have gotten many logs this month. Thank you to all! Your logs are important and appreciated. I have had to trim them down some to get as many as possible into this month's column.

On to the logs me mates!

Captain Morgan, 6924.9U, 1/24/10, 2348. ID, "Takin care of Business", ID and talk with other music. Best I've heard the Captain here. (Taylor-WI)

Captain Morgan Radio (id using FRN posting), 6925, 2/11, 2324-32* The Captain with classic sixties tunes like Sweet Home Chicago, I am a soul man, and others. I missed the id, but matched the song list to a post on FRN for Captain Morgan at the same time and frequency. (Majewski CT)

MAC, 6924.7, 2-20, 1632-1655, "Ultraman Show" with young boy announcer. IDs. Email address. Music by Beatles, Stepwolf and others. Fair to good signal. (Alexander-PA)

Outhouse Radio, 6925u, 1-29, 0043- 0053, country music. Pop music by Madonna. IDs. Poor to fair. (Alexander-PA)

Outhouse Radio 6924.6, 2-5, 0227-0303+, SIO=141. Prgm of rock mx by Led Zeppelin and other groups. Weak level, and faded out altogether by the time that I lost them. Multiple clear IDs by OM ancr. (Zeller-OH)

Outhouse Radio, 6926.7, 2-7, *0023-0039*, SIO=454. Very good level w/ a prgm of rock and blues mx mixed with spacey sounds.

At 0026, OM ancr said that this was only a test. One of the tunes played was a lengthy rendition of Radioactivity by Kraftwerk. (Zeller-OH)

Outhouse Radio, 6951.8u, 2-14, 0815-0825, ID. Rock music. Good signal. (Alexander-PA)

Pirate R. Boston, 6925U, 2-21, *1445-1549* SIO=242+. Ancd as their "reactivation prgm" after several years off the air. OM Charlie Loudenboomer played numerous obscure rock tunes, but then he IDed all of those obscure tunes. No traditional mailbag prgm at end, since he had been off the air and had recvd no ltrs. Gave Stoneham and pirateradioboston@gmail.com for repts. (Zeller-OH)

Pirate Radio Boston, 6925.07, 2-21, 1534-1550, alternative rock music. IDs. Gave email address and postal address in Stoneham, MA. Fair. (Alexander-PA)

Radio Ga Ga, 6925U, 2-5, 2335-2336*, SIO=343. Nothing but a "Radio Gaga Test" anmt repeated a couple of times by OM ancr. (Zeller-OH)

Radio Ga Ga, 6925U, 2-21, 1214-1351* SIO=242+. Prgm of a mix of folk, rock, and new age mx. Also played novelty tune "Fish Heads" by Barnes and Barnes. At QRT, one minute of digital SSTV, followed by R. Ga Ga ID and "I smell fish" by OM. (Zeller-OH)

Radio Ronin Shortwave, 6925, 2-13, 1951-2025*. First log of this station. The reception was hampered by heavy static and deep fading. IDs heard at 1952, 2009, and 2025. The music was mostly unintelligible, but I did manage to catch "Wichita Lineman," "Brown Eyed Girl," and maybe "Chain of Fools." Poor. (Wood, TN).

Radio Ronin Shortwave, 6924.4 AM, 2255-2310, Feb 21, music by Eurhythms, Madonna and others. ID. Fair. (Alexander-PA)

Radio USA, 6925u, 1-30, 2215-2219*. Apparant old program talking about moving

pirate band from 7,415 kcs due to WEWN and VOA on channel. ID before Auld Lang Syng and "Happy New Year everybody" mention at 2218. Poor to fair. (D'Angelo-PA)

The Crystal Ship, 6876.07, 2-13, 1640-1727*, music by Pat Benatar, Bruce Springsteen and others. Very good signal. (Alexander-PA)

The Crystal Ship, 5385.4, 2-21, 2258-2355 SIO=242/242. Soviet Union NA by male chorus into a prgm of rock mx. Some novelty tunes mixed in incl Snoopy and the Red Baron, The Unicorn, Little Red Riding Hood, and Puff the Magic Dragon. Numerous OM/YL IDs. (Zeller-OH)

Voice of Next Thursday, 6955, 1-30, 2207-2214*, after musical selection a man announcer mentioning "Welcome back, you are listening to the Voice of Next Thursday." Talk about Google. Either lost in noise or close down around 2214. Poor with very deep fades. (D'Angelo-PA)

Voice of Next Thursday, 6928.5 AM *0009-0037* 2/20/10 SIO=444/422, w/local QRN. Lengthy long stream of consciousness tlk by OM. Discussion of plastic surgery, lover's leap, ancient wars mentioned in the Bible, and mentions of the fact that he likes to look at naked men. Asked for repts via voiceofnextthursday@gmail.com and via the FRN. Some folk tunes mixed into all this. At close, said was relayed by the WBNY relay service. (Zeller-OH)

WBNY, 6955, 2-14, 0106, Barely audible music, maybe country, talk (some words audible but not enough to tell what he was talking about); lots of Utes. Poor. (Taylor-WI)

WBZO, 6930u, 2-20, 2330, immediately heard ID on the semihour as "WBZO". Good signal with rock music, still at 2346 recheck. 2350 with a speech of some sort; 2353 WBZO IDs again, Mr. Bozo. (Hauser, OK)

WEAK Radio, 6950U, 1/21, 2128-2231+ A show with a Fair/Good signal and a wide variety of music. The songs were heavy metal, the Ramones, blues, and Reggae. The identifications were done by a YL. The was talk or rap song about Martin Luther King. Nice show. (Majewski CT)

WEAK Radio, 6925U, 2-6, *2259-2318*, SIO=242. Prgm of rock and blues mx incl "Dirty Love" by Frank Zappa and other tunes. IDs at 2311 and at close by OM. (Zeller-OH)

WMPR, 6.955, 1/31/2010 23:5 UTC - 2/1/2010 00:36 UTC; SIO 423 to 111; SINPO 45423 - 15111. Initially a good signal with little noise but severe fading into Ohio, nearly inaudible by 00:36 UTC; Various rock and dance music that I couldn't identify. Several IDs heard: "This is WMPR". (Balint, OH)

WMPR, 6925, 2-13, 1405-1435+, Pleasant techno music with IDs at 1416 & 1425. Fair. [Also] 2250, 2/13/10. Techno music, off 2259. (Taylor-WI)

WMPR, 6955.26, 2-20, 2235-2245, rock music. Electronic dance music. Computer voice IDs. Good. (Alexander-PA)

WMR, 6925.55, 2-20, 2210-2220, IDs as "We Monkey Radio, WMR". Music by Kim Carnes, Harry Chapin and others. "My Sharona" song. Monkey related music. Good. (Alexander-PA)

Wolverine Radio, 6950u, 2-14, 0231-0300*. St. Valentines Day. Clear ID. Music mixes of about 5 seconds per song. Music included Reggae, Soul, Motown, and Rock. Fair. (Wood, TN). Also logged by (Taylor-WI)

WTCR-Twentieth Century Radio, 6950 USB, 0135-0210+, Feb 7, IDs. Lite pop music by Sarah McLachlan, Sheryl Crow, Carole King and others. Strong. Very good signal. (Alexander-PA)

Euro Pirates

Radio Amica, 7610.05, 2-13, 2310-2320, pop music. Italian ID announcements at 2313. Fair. (Alexander-PA)

Cupid Radio, 15070.09v, 2-14, 1312-1330+, Feb 14, IDs. Acknowledged listeners' reports. Lite pop music. Weak but readable. Fair on peaks. Frequency drifting slightly. Was on 15070.09 at 1312, drifting up to 15070.17 by 1358 check. (Alexander-PA)

73's, Mike



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

ADVENTIST WORLD RADIO

International Relations
Box 29235 Indianapolis
Indiana 46229 USA



We are pleased to verify your reception of our station.

NR1
Date 8-11-08 Time (UTC) 2215-0700
Power (W) 100 Frequency (MHz) 5.970
Transmitter location AUSTRIA
M02206VNN
Signature [Signature]
ADRIAN M. PETERSON

MR RICHARD D'ANGELO
WYMISSING PA

AUSTRALIA: Radio Australia 11660

via Shepparton f/d "Shepparton International High Frequency Transmission Station" cd. in 295 ds. from v/s Ian Johnson of the ARDXC. I reported the frequency as Brandon but Ian noted that despite internet posting showing Brandon, their operating schedule shows Shepparton. I also rcvd. the current shortwave frequency guide. (D'Angelo-PA).

BOSNIA-HERZEGOVIA: International

Radio Serbia 6185 f/d cd. in 554 ds. for \$1.00 after a f/up rpt. (Colton-FL).

CANADA: Radio Sweden International via Sackville The station sent a ltr. in which they stated that the station no longer issues QSL cards. (Wilkins-MO)...remember when they used their station to host one of best DX programs ever...Sam. CFRX 6070 f/d cd. in 23 ds. for \$1.00.

MEMBERS NOTES: Doug Tilley of 25128 161st, PL. SE, Covington, WA 98042 says that he is still waiting for replies from Moldova, India, Tunisia, Indonesia, Saudi Arabia, Dominican Republic and Zambia. Your reporting format is fine. Doug can be reached at: dougbt@comcast.net Bill Wilkins says its been a slow start to the DX season. He is requesting any assistance in verifying station WWRB. I haven't seen a QSL from them in quite a while. Bill can be reached at: PO Box 3885, Springfield, MO 65808. Ron Howard in Monterey / Asilomar Beach, CA was thrilled with his QSL from Radio Symban in Australia. Its not everyday one can hear a 50 watt Aussie in the US. Also, thanks for the Traxx FM (Malaysia) bumper sticker. I appreciate it...Sam.

v/s Steve Canny. My rpt. was sent to ODXA, 1831 Waterdown, Burlington, ON LP5A2, Canada. (Colton-FL). Radio Canada International 9610

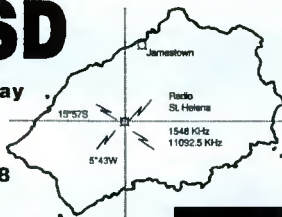
Radio Station, Pounceys, St. Helena, South Atlantic Ocean

ZD7RSD

Radio St. Helena Day

on shortwave

15 November 2008



Radio ST HELENA



f/d cd. w/ schedule in 21 ds. v/s Bill Westenhaver. Addr: RCI, P.O. Box 6000, Montreal, Quebec H3C 3A8. (Wood-TN).

GREECE: Radiophon-

*ikos Stathmos

Makedonias 7450

via Thessalon-

iki f/d ERT

Map folder cd.

in 299 ds. for

2 IRCs. v/s Ta-

tiana Tsioli.

The IRCs were

returned. Also

Special QSL 2004

In collaboration between the Austrian DX-Club ADXB-OE and Radio Budapest we present you our special QSL-Card for transmissions of Radio Budapest.

ADXB-OE is a member of the German speaking DX-Organisation AGDX, celebrating 30 years of service. Hungary has been one of the new EU-countries since 1 May 2004.

CONFIRMATION of the report submitted by

Mr. Scott R. Barbour Jr.

Date: 16/10/2004	UTC: 2112	Freq: 6025	Site: Székesfehérvár
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Radio Budapest
External Services
Brody Sandor 5-7
H-1800 Budapest
HUNGARY

MagyarRádió
www.radiobudapest.radio.hu

ADXB
www.adxb-oe.org

Getördert aus Mitteln des Europäischen Fonds für Regionale Entwicklung (EFRE)

ADXB-OE
P.O.Box 1000
A-1081 Vienna
AUSTRIA

rcvd. a postcard from the station. (Wilkins-MO)...Haven't seen too many QSLs from this station in a while..Sam.

INDIA: All India Radio

9445 via Bangalore f/d "Footprint of the Buddha" cd. in 72 ds. for 2 IRCs. (Wilkins-MO).

LITHUANIA: Radio Free Europe / Radio Liberty 9635 via Sitkunai f/d "Illuminate Your World" cd. in 87 ds. for a broadcast in Tatar Bashkir language. Response came from their office in the Czech

Republic. (D'Angelo-PA).

MADAGASCAR: Radio Sweden International 9490 via Talata-Volondry replied to an electronic report for my reception of the interrupted broadcast due to the Christmas Day fire with a postal letter in 26 ds. informing me that they no longer verify reception reports: "We regret to inform you that Radio Sweden no longer sends QSL cards". They went on

and apologized for any inconvenience this may cause. Silly me, I thought that there could be



"Give all your worries and cares to God, for He cares about what happens to you."

1 Peter 5:7, NLT

"Trust in the Lord forever, the Lord, the Lord, is the Rock eternal."

Isaiah 26:4, NIV

To: 222 Scott R. Barbour Jr.

We are pleased to verify your reception of our station.

Date: Nov. 25, 2004 Time (UTC): 1914-1932

Power (KW): 100 Frequency (kHz): 15385

Transmitter location: Agat, Hawaii

Comments: Thank you your report & listening our Chinese programs. Hope you will enjoy some of our Asian languages

Signature: [Signature]

AWR-Asia/Pacific Region
798 Thomson Road, Singapore
298186, Republic of Singapore



id / Radio Oscar Zulu 6305 Email: radiooscarzulu@hotmail.com Orion Radio 5815 Email: webmaster@orion-radio ...via PLAY DX...Sam.

some interest at Radio Sweden due to the nature of the ill fated transmission. Although they could have easily responded by e-mail, they did a postal reply. Couldn't they have just as easily sent a QSL? Hi!

(D'Angelo-PA). Some times these things just don't make any sense... Sam.

NEWFOUNDLAND: CKZN 6160 via Saint Johns f/d cd. w/ station schedule and sticker's in 515 ds. This was after numerous f/up reports. v/s Terry Brett. Addr: Canadian Broadcasting Corporation, Transmission Distribution Department, P.O. Box 12010, Station A, Saint Johns, NF A1B 3T8, Canada (Wood-TN).

ADXB

MagyarRádió
Radio Budapest



CONTEST 2004

Dear Mr. D'Angelo,

We are glad to verify your reception report on our ^{National Radio} program transmitted on 6090 KHz at 11:50 hours-- 12:20 hours UTC dated Feb 13, 2005

Your further reception reports on our broadcasts are welcome.

Sincerely yours,
English Service
China Radio International

PHILIPPINES: Voice of America 9490 and 11610

The VOA verified two separate reports six weeks apart w/ one card in 94 ds. (9490) and in 52 ds. (11610) w/ a f/d "Transmitters and Antennas at Sunset" cd. Also rcvd. a 2009 calendar, stickers and several program schedules. (D'Angelo-PA). **Far East Broadcasting Company 5990** The station verified w/ an electronic reply from Jan B in 76 ds. confirming my reception of the Iu Mien broadcast from Bocaue apologizing for the overdue response (they did in fact respond w/ a f/d card previously). Jan did indicate that about 5 years ago the entire antenna curtain at Bocaue was renewed and this strengthened their signal but that there is little they can do to improve things further at this stage of the sunspot cycle. (D'Angelo-PA).

ROMANIA: Radio Romania International 6145 p/d

STATION NOTES: Playback International 5881

Email: playbackinternational@googlemail.com **Polaris Radio 3902 v/s DJ Iggy and**

Morticia. Email: polarisradio@hotmail.com **Radio Alice 6310** Email: radioalice@hotmail.com **Radio Arctica 6200** Email: radioarctica@yahoo.com **Radio Atlantique 2000**

International v/s Mike Email atlantique2000international@googlemail.com **Radio Barcelona 1647** Email: radiobarcelona9@hotmail.com **Radio Bluebell 6220 via Mystery Radio** Addr: SRS Germany, P. O. Box 101145, DE-99801 Eissennach, Germany. **WGIT 1660** Addr: P.O. Box 7, Moca, PR 00676...via PLAY DX...Sam.

Verification Card

Dear *Richard A. D'Angelo*

We thank you for your reception report and keen interest in our programmes.

We are pleased to verify that you heard: **Voice of Korea** from 10.34 to 11.05 on 6398 (C) kHz on 2.12.2004.

Your valuable opinions on our programmes will always be very much appreciated.

Yours sincerely,

The Radio-Television Broadcasting Committee of the DPRK, Pyongyang

cd. in 37 ds. for 2 IRCs. The cd. depicted "Ace of

Hearts" radio receiver. Also rcvd. the station's current schedule.

SOLOMON ISLANDS: Solomon Islands Broadcasting Corporation (Tilley-WA).

ltr. w/ cd. in 2 mos. for a taped rpt. and \$2.00. (Smith-MA).

SWAZILAND: Trans World Radio 4775 f/d cd. in 104 ds. for \$1.00. (Colton-

UKRAINE: Radio FL)

Ukraine International 5830 The station verified my email w/ an electronic reply in 15 ds. v/s Dana Smolyak, Chief Political Correspondent. She indicated that a QSL would be arriving by mail. Also rcvd. their latest program schedule. (D'Angelo-PA).

AIR MAIL
PAR AVION

TO Mr. Richard D'Angelo

CONFIRMS RPT. ~~ON~~

FREQ. 9740kHz

DATE 30 December 2004

TIME 1106 GMT

RPT. 36343

TX/RX Marconi 250kW



Mr. Richard D'Angelo

2216 Burkey Drive

Wyomissing, PA 19610

U.S.A.

BBC Far Eastern Relay Station, Kranji, Singapore

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ADDIS DIMTS RADIO

Re: Reception Report: Addis Dimts Radio on 15,195 KHZ via Samara, RUSSIA
From: Abebe <abelewd@yahoo.com>
To: rdangelo3@aol.com <rdangelo3@aol.com>
Date: Sun, 11 Jan 2009 12:40 pm
Abebe to you - 13 min ago

STATION NOTES: RTE Radio One Ireland

Thank you for your report
Yes you heard our program
Thank you yours
Abebe
Host and producer

Sent from my iPhone

11695 via Meyerton v/s Mrs. Bernie Pope, Network Secretary. Addr: RTENL, Nutley Building, Donnetbrook, Dublin 4, Ireland. Email: Bernie.pope@rte.ie
Addr: Radio Telefis Eireann, Baile Atha Cliath 4, Ireland. WEB: www.rte.ie
WYFR Family Radio 15260 via Meyerton
Email: portuges@familyradio.com
Radio Sana'a 9780 v/s Ali Ahmed Altashy, Technical Director. Email: ali_tashy@yahoo.com
Addr: P.O. Box 2371, Sana'a, Yemen Arab Republic. CHU 3330
Addr: Radio Station CHU, National Research Council of Canada, 1200 Montreal Rd., Building M-36, Ottawa, Ontario K1A 0R6 Canada. Email: radio.chu@nrc-cnrc.gc.ca...via PLAY DX...Sam.

USA: WBCQ 7415 f/d cd. in 21 ds. for \$1.00 (Colton-FL). f/d cd. in 13 ds. for SASE. v/s Allan Weiner. Addr: 274 Britton Road, Monticello, ME 04760. (Colton-FL). WJHR Radio International 15550 The station QSLed w/ a n/d "Dear Shortwave Listener" ltr. in 5 ds. from the v/s G.S. Mock. Nice photos of the transmitter were rcvd. The v/s stated: "It is always good to hear from a new listener. It is our desire to provide quality Christian programming to the world in these last days." (D'Angelo-PA).

WEST BERLIN: Deutschlandfunk 6195 f/d "Satellite Dish" cd. in 16 ds. w/ the site indicated. v/s U. Reles. (D'Angelo-PA).
ZAMBIA: Radio One 5915 f/d cd. in 458 ds. for \$1.00. (Colton-FL).

This is Alaska calling!

KNLS

International Radio Station
Anchor Point, Alaska 99666 USA
www.knls.org KNLS@aol.com

December 10, 2008

Mr. Richard A. D'Angelo
2216 Burke Drive
Wyomissing, PA 19610

Dear Mr. D'Angelo:

Thank you for your recent letter to KNLS. We appreciate your reception report and comments about the quality of reception. It's always nice to hear from Pennsylvania—I originally hail from West Chester—not too far from where you are.

I'm pleased to enclose your QSL card and some information about our station. We're in the process of updating this brochure so we hope to have a new one ready before too long.

We hope you'll be one of our regular listeners and that you'll write again whenever you have an opportunity.

Sincerely,

Paul Ladd
Director of Listener Response

A much better Column
this time around. I
hope next month is
just as productive if
not more.

Best of QSLing...




Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA
Scott BARBOUR, Intervale, NH
Rick BARTON, Phoenix, AZ
Mark COADY, Bridgenorth, ONT
Rich D'ANGELO, Wyomissing, PA
Mick DELMAGE, Sherwood Park, AB
Gerry DEXTER, Lake Geneva, WI
Jim EVANS, Germantown, TN
Larry R. FLAITSZ, Rochester, NY
Bob FRASER, Belfast, ME
Glenn HAUSER, Enid, OK
Ron HOWARD, Asilomar Beach, CA
Rob KIVELL, Gulf Breeze, FL
Joe KREMER, Brecksville, OH
William McGUIRE, Cheverly, MD
Rich MITCHELL, Raleigh, NC
Sheryl PASZKIEWICZ, Manitowoc, WI
Dave REITZ, Reading, PA
Jim RONDA, Tulsa, OK
Harold SELLERS, Vernon, BC
Giovanni SERRA, Rome, ITALY
Jerry STRAWMAN, Des Moines, IA
Mark TAYLOR, Madison, WI
Ed WLODARSKI, NJ
Joe WOOD, Greenback, TN

TenTec RX-340 AOR AR-7030 100' LW
NRD545, RX-350D, MLB-1, 200' Beverage
Hq180a, Hq200, longwire
Eton E-1, SPR-4, 70' LW, Kaito KA-35
TenTec RX340, R8B, E1, E5, DX Sloper
Icom R71A, Kenwood R-5000, many ants.
NRD-545, TenTec 340, Mark MK-I ant.
RX340, R8B, E-1, ICF-SW7600G, 30 m wire
Hammarlund Hq145X
Sony ICF-2003 ICF-SW100s 2m LW
FRG-7, DX-398, SW-07, ATS-909, YB400 lw
etón E-1
R75 with MLBA-MK1 antenna
no equipment listed
DX-380
RX-340, MLBA-MK1 east/west
NRD 515 with loop
Drake R8B, 100' long wire
NRD-545, R75, PAR-SWL and FlexMLB
E-1
NRD-525 AD Sloper
R-8, Wellbrook 330s 1.1 m loop
R-75, Sat 800, G313E, E1
RX340, 100' lw
DX-390, Grundig Mini 100 PE, whip antenna 



Tropical Band Loggings

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

- 2310 **AUSTRALIA VL8A** Alice Springs 1128-1145 "Fly me to the Moon" by Frank Sinatra; interview w/ W; 1130 nx prg; first item re Haiti; 1137 interview w/ internet access CEO; good; //2325 & 2485-fair; 1/17. (Wlodarski-NJ) 1400-1425 Current affairs type prg; M anc'r above noise; checked //s & only heard 2485-Katherine; 1/17. (Barton-AZ) 1206 Mx prg w/ strange melodies; steel drums w/ M anc'r; good; equal to //2325; //2485 Katherine-inaudible; 2/8. (Barton-AZ) 1210-1230 EE pop mx w/ occ. talk by M anc'r w/ Aussie accent; poor w/ only a small amount of fading; only carriers on //s 2325 & 2485; 2/10. (Evans-TN) 1040-1100 M anc'rs w/ cricket match; good; //2325-fair; //2485-poor; 2/14. (Wlodarski-NJ)
- 2325 **AUSTRALIA VL8T** Tennant Creek 1354 Pop mx; 1357 anc'r & guest discussing sports competition; good as were // 2310 & 2485; 1/22. (Sellers-BC) 1208-1236 All three 120m VL8's were audible for the first time in recent months; prg included pop mx at 1208 followed by talk between anc'r & two other M; W anc'r w/ ABC nat'l nx at 1230; "Saturday Night Country" prg at 1235; poor to moderate w/ fading on 2325; essentially the same on 2310; much weaker on 2485; 2/13. (Evans-TN)
- 2485 **AUSTRALIA VL8K** Katherine 1115 Stronger than usual sig w/ pop mx prg; Bee Gees "How Deep is Your Love"; M & W hosts; //2310 & 2325 w/ 2325 being the best; 1/17. (Barton-AZ) 1345 Some talk audible; but not on weaker NT carriers 2310 & 2325; at 1346 I could almost imagine there was a carrier on 2368.5 from R. Symban; but too much LSA beacon harmonic; 1/19. (Hauser-OK) 1000 M anc'r w/ nx; analysis after; just above b/ground noise; t-storm static crashes; heard at same sig lvl & condx at 1430 recheck w/ W anc'r & current events stuff; 1/20. (Barton-AZ)
- 2500 **USA WWV** Boulder 1511 M anr saying that the minute was a "test minute" (?); nothing really unusual after that; 2/8. (Barton-AZ)[no clue-ed.]
- 2850 **NORTH KOREA KCBS** Pyongyang 0948 Usual march mx; but off after 1000; back after 1430 recheck w/ M anc'r & more mx; 1/20. (Barton-AZ) 1400 Choir mx; vg; 1/22. (Sellers-BC)
- 2859.8H **COSTA RICA R. San Carlos** 0150 Seems the only times I hear it are when checking something else quickly on the portable; in the cold outdoors on a clip-on antenna away from the household noise sources; there it was definitely in SS vs noise lvl still high; two times 1429.9; 1/19. (Hauser-OK) 2859.82h 0115-0204* 2nd harmonic; 2 x 1430v; SS talk w/ crowd noise; ads & jingles; abrupt s/off; poor in noisy condxs; occ. peaks to fair lvl; 1/16. (Alexander-PA) 0154-0204* Lcl SS pops/ballads & talk; poor in noisy condxs but occ. peaks up to fair lvls; 2/6. (Alexander-PA)
- 2980H **COLOMBIA R. Vida Nueva** Barranquilla 0647-0655 2nd harmonic of 1490; ballad style lcl mx; ID at 0650 then more mx; poor to moderate sig w/ fading; peaks were quite strong for a second harmonic from Colombia; 1/26. (Evans-TN) 0611 Tnx to J. Evans tip from TN I made a point of looking for the harmonic on 2980; definitely something on 2980.0; v. weak mx vs QRN lvl now including lite T-storming close enough to propagate but not nearby; still just barely audible at 0630; never heard anything but mx; 1/29. (Hauser-OK) 0620-0655 2nd harmonic; 2 x 1490; mix of SS relg mx; slow ballads & more lively SS mx; several SS anc'ments; threshold sig but occ. peaks up to a v. weak lvl; IDed by comparing it to their web broadcast which was running // at <http://www.radiovidanueva.net/>; I first heard this harmonic back on 4/9 & IDed w/ the help of H. Klemetz at that time; 1/30. (Alexander-PA) 0614 Just barely audible mx; (P) HJAY Barranquilla; wish they would turn up the power a bit on the second harmonic; 2/5. (Hauser-OK) 0534-0552 (P); Various Latin vcl selexs; quite weak w/ v. deep fades; 2/6. (D'Angelo-PA)
- 3200 **SWAZILAND TWR** Manzini 0308-0317 Anc'r in listed Ndeble; mx bridge w/ lcl contact info & phone number; (P) where prg was produced?; vern. gospel mx; f-g; 1/8. (Barbour-NH) 0308-0326 Various anc'rs w/ relg sounding talk in listed Ndeble; mx bridges; choral mx from 0318-0325 followed by brief anc'r & IS/ID loop in EE; fair; 2/1. (Barbour-NH)
- 3215 **USA WWCR** Nashville 0958 Closing anc'ments & off; 1/20. (Barton-AZ)
- 3249 **HONDURAS R. Luz y Vida** San Luis 0353 Anthem; s/off; fair; 1/14. (Flaitz-NY) 0237 (P); W anc'r w/ lively SS talk; did not seem relg themed; fair; 1/20. (Taylor-WI) 1100 Only in espanol; no EE/SS Gospel translation; 1/23. (Wilkner-FL)
- 3250 **NORTH KOREA Pyongyang BS** Pyongyang 1402 M anc'r in KK; poor; 1/22. (Sellers-BC)
- 3255 **BRAZIL R. Difusora 6 de Agosto** Xapuri 0020-0050 (P); M anc'r in PP; semi classical mx; same anc'r w/ W joining at 0024; 0030 mx & anc'ment; didn't hear an ID tho there might have been one; M until 0044 when W joined again; f/out 0055; poor; 2/13 (Taylor-WI)[nice catch-ed.]
- 3255 **SOUTH AFRICA BBC** Meyerton 0424-0441 Nx rpts in EE; ID & prg previews at 0429; BBC Network Africa ID at 0430 followed by nx & a rpt about Nigeria at 0436; p-f; 1/27. (D'Angelo-PA)

- 3260 **PNG-NEW GUINEA TERRITORY R. Madang** Madang 1335 Pop mx for extended period; peaked S6-7; lots of atmospheric band noise; 1/11. (Strawman-IA)
- 3275 **PNG-NEW GUINEA TERRITORY R. Southern Highlands** Mendi 1308 U.S. Oldies w/ ancr in Tok Pisin; f-p; 1/30. (Taylor-WI) 1126-1140 M ancr w/ relig talk; 1135 M & W ancrs; TC & back to relig talk; p-f at times; 2/14. (Wlodarski-NJ)
- 3280 **CHINA V. of Fujiang** Shanghai 1403 CC mx & W ancr; v. poor as was //5075; 1/22. (Sellers-BC)
- 3290 **PNG-NEW GUINEA TERRITORY R. Port Morsby** Boroko 1251 (P); "Lion Sleeps Tonight"; M ancr in Tok Pisin; poor; 1/30. (Taylor-WI) 1225-1240 Ballad-type mx; 1230 W ancr w/ TC & ID; fair; 2/7. (Wlodarski-NJ) 1155-1210 C & W song w/ W vcl; 1200 W ancr w/ TC followed by nx headlines; 1102 ad for TV nx prg; good; 2/14. (Wlodarski-NJ) 1250 Vcls; weak; 2/14. (Paszkievich-WI)
- 3309.98 **BOLIVIA R. Mosoj Chaski** Cochabamba 0100-0115 Noted here during bandscan; strong sig; 2/5. (Wilkner-FL) 3310 0934-0945 0934 W ancr w/ SS cmntary; 0938 lcl type mx followed by M ancr w/ ID; poor; 2/6. (Wlodarski-NJ) 0918-0931 (P); Prg of lcl mx w/ talk segments by W in listed Quecha; poor w/ minimal fading; 2/13. (Evans-TN)
- 3315 **PNG R. Manus** Lorengau 1210 Mixed U.S. Oldies & country mx; f-p; 1/30. (Taylor-WI) 1214-1230 Pop/dance mx; 1219 M ancr w/ song titles & ID followed by more mx; good; best I've heard this PNG this season; 1/30. (Wlodarski-NJ) 1139-1150 Relig hymn; 1143 W ancr in Tok Pisin w/ TC & another lcl relig type song; 1145 M ancr w/ ID & song titles; fair; 2/14. (Wlodarski-NJ)
- 3320 **NORTH KOREA Pyongyang BS** Pyongyang 1404 M ancr in KK; poor; 1/22. (Sellers-BC)
- 3320 **SOUTH AFRICA R. Sondergrense** Meyerton 0230 Cover of "Fire and Rain" in EE; talk in Afrikaans; fair; 1/20. (Taylor-WI) 2146-2155 Classical operatic mx; good; 1/24. (Wlodarski-NJ)
- 3325 **INDONESIA-KALIMANTAN RRI Palangkaraya** 1355 A good morning for RRI on tropbands; musical audio making it on 3325; 1357 better sig w/ mx on 4750-Makassar; W singer continuing past 1400; weak SAH from China or Bangladesh & w BFO on; it was obvious there were two carriers; but RRI now right on 4750.0 compared to 9750; (P) Japan rather than Malaysia; at 1404, 4750 finally going from mx to W ancr in Indo; 1/11. (Hauser-OK)
- 3325 **PNG-BOUGAINVILLE R. Buka** Buka 1316 Contemporary mx; M ancr in Tok Pisin; poor; 1/30. (Taylor-WI) 1215-1230 Song by "Flock of Seagulls"; 1220 M ancr w/ "Radio Buka" ID followed by reggae type song; good, peaking at 1225; 2/14. (Wlodarski-NJ)
- 3329.53 **PERU Ondas del Huallaga** Huánuco 0100-0115 M ancr w/ mx; dominating CHU-3330; 2/5. (Wilkner-FL) 3329.59v 1045-1055 M & W ancrs alternating en espanol; no mx but good sig for them; 1/19. (Wilkner-FL) 1010 Rapid espanol; same M & W ancrs w/ Ondas de Huallaga ID by W; "salud...emisoras...salud..."; 1/21. (Wilkner-FL)
- 3350 **COSTA RICA REE** Cariari de Pococi 0352 SS song by W w/ M ancr breaking in; lots of noise; fair; 1/25. (Kivell-FL)
- 3350 **NORTH KOREA KCBS** Pyongyang 1445 Same type prgrmg as 2850 KCBS log; but not //; 1/20. (Barton-AZ)
- 3365 **PNG R. Milne Bay** Alotau 1320-1335 U.S. pop mx; M ancr in Tok Pisin; f/out along w/ all other PNG's; 1/30. (Taylor-WI) 1355 90m check found sigs w/ at least some audio; non-// music on 3365, 3345, 3325, 3315, all PNG freqs; altho due to a great breakdown in regional freq management; 3325 & 3345 are also active Indonesian freqs; nothing on 3385; 2/1. (Hauser-OK) 1106-1120 M ancr w/ lcl nx; 1108 ID & TC followed by piano musical selex; 1120 lcl type mx; fair; no sign of 3385-RENB this morning; 2/14. (Wlodarski-NJ)
- 3380 **SOUTH AFRICA BBC** Meyerton 0440 EE nx w/ correspondent outros ment. BBC; f-p; 2/2. (Taylor-WI)
- 3385 **PNG-NEW BRITAIN R. East New Britain** Rabaul 1204 W ancr w/ lcl nx & talk; poor; 1/11. (Flaitz-NY) 1329 Pop mx peaked at S-6; 1/11. (Strawman-IA) 1237-1300 Modern relig songs; 1243 W ancr w/ song titles & TC; 1246 Reggae type relig song; good; other PNGs heard this morning 3290; 3260 & 3365; 1/17. (Wlodarski-NJ) 1026-1040 Lcl type mx; 1030 W ancr w/ song title & TC; 1036 ID followed by lcl mx; good; v. strong lvl this morning; 1/24. (Wlodarski-NJ) 1126-1139 M ancr w/ brief talks between choral-like mx selections; fair w/ "hum" of sorts; 1/26. (Barbour-NH) 1218 "Welcome to the Island of New Britain ." w/ call in & mx dedication; reggae song, brief chat; more U.S. pop; pulsing ute on LSB; f-p; 1/30. (Taylor-WI) 1154-1213 W ancr in Tok Pisin; PNG pop mx at 1155; W ancr at 1201 w/ (P) nx; mx returned at 1211 w/ W ancr; poor but steady; the only readable PNG this morning; 2/3. (Evans-TN)
- 3396 **ZIMBABWE ZBC** Gweru 0332-0345 (P); Indigenous mx; brief ancr at 0338; right back to mx; v. weak-poor; deteriorating by t/out; 1/4. (Barbour-NH) 0204-0342 Various ancrs w/ brief talk in vern. between pop & choral-like mx selex's; inspirational tune w/ many Hallelujah's; "Zim-bab-we" shout out in passing; p-f; 1/30 & 31. (Barbour-NH) 0218-0306 Nice, mostly non-stop hi-life mx; played the usual canned EE ID from 0300-0304, with drums; list of cities & FM freqs plus SW sked; 2/1. (Howard-CA)

- 3560 **NORTH KOREA V. of Korea** Kujang 1339 KK choir mx & W anc; poor; 1/20. (Sellers-BC) 1405 Weak sig in FF; no doubt feeder of VOK as on 9330 & 11710 but did not try to //; other NK sigs: best on 2850; also 3250; 3320 & 4450 jamming; but nothing jammed or not on 3480; 1/20. (Hauser-OK)
- 3810 **ECUADOR HD2IOA** Guayaquil 0655-0659 I have looked for HD2IOA timesig stn numerous times in the 0600-0700+ period w/ no results; but there it was w/ quite readable sig on LSB; not USB as some reports have it; time increments every 10 seconds in SS; which go for example: "Al oir el tono, será la una hora, 55 minutos, 20 segundos"; (pause); beep; another check 24 hours later: audible underneath spoiler hams N3TOA & K5ENU; I was straining to hear HD2IOA underneath them during the 0659:40-0659:50 segment when I thought a full ID was inserted 2/12 & did succeed in making out the word "Armada"; 2/12 & 13. (Hauser-OK)
- 3905 **PNG-NEW IRELAND R. New Ireland** Kavieng 1157 Country mx segued 1201 ID & Tok Pisin chat; fair; 1/30. (Taylor-WI) 1130-1145 Pop mx; W anc w/ TC & ID; 1139 M anc w/ TC & ad; fair w/ some ham QRM; 1/31. (Wlodarski-NJ)[great catches-ed.]
- 3912 **SOUTH KOREA V. of the People** Kyonggi-do 1515 V. excited sounding W anc & all over a jammer; 2/8. (Barton-AZ) 0927-0936 M anc in KK; traditional mx at 0930; W anc at 0935; poor w/ fading; no jammer noted but definitely in business on weaker //s 6518 & 6600; 2/13. (Evans-TN)
- 3925 **JAPAN R. Nikkei** Tokyo-Nagara 1343 W anc in JJ; then M w/ a list; possibly their channels because at 1345 they went off; good as was //6055; 1/20. (Sellers-BC) 0830-0900 "Let's Read The Nikkei Weekly"; only on Saturdays; in EE & JJ; anc; Noriko Tada, Gregory Clark & Jeffrey Swiggum; oriented towards JJ politics & business EE; "This program has been presented by the Society for Testing English Proficiency, Inc."; website < <http://www.radionikkei.jp/LR/> >; // 6055 & 9595; 1/30. (Howard-CA)[always enjoy the xtra info nuggets you include in your logs OM-ed.] 1153 Animated JJ talk between two W; including some apparently spontaneous singing; fair; 1/30. (Taylor-WI) 0938-0945 Familiar format of classical mx; brief anc between selex's; poor; 1/31. (Barbour-NH) 0648 "Claire de Lune" on piano; pretty clear w/ hams avoiding the freq, thanks very much; JOZ-R. Nikkei; I am a bit startled to be hearing it this early; 1548 JST; again audible at 1352 shortly before closing; S9+20 w/ guitar or ukulele strumming but SSB hams nearby; 2/1. (Hauser-OK)
- 3945 **VANUATU R. Vanuatu** Port Vila 1151-1203 (P); Ballad at t/in; brief anc at 1156; more mx thru ToH & anc at t/out; poor & as usual, still getting hammered by ham net via 3947L; 2/5. (Barbour-NH)
- 3975 **HUNGARY R. Budapest** Jaszbereny 0542-0557 M anc in HH; joined by second M at 0547; IS & canned ID by M & W at 0557; good sig w/ extremely heavy ARO QRM; 1/28. (Evans-TN)
- 3976 **INDONESIA-KALIMANTAN RRI Pontianak** 1556-1659* Lcl Indo mx & ID at 1600; good but weakened to s/off; 1/11. (Delmage-AB) 3976.02 1510 Concert of western classical mx; held at "Jakarta Auditorium"; 1600 several "Radio Republik Indonesia Pontianak" IDs; list of freqs, mostly FM; p-f w/ ham QRM; map of "Coverage Area" at < <http://www.rripontianak.com/> >; w/ list of freqs; showing "3976.8 KHz"; 1/27. (Howard-CA)
- 3995 **INDONESIA-SULAWESI RRI Kenadri** 1550-1600* Romantic Indo mx until s/off; 1/11. (Delmage-AB) 1342 RRI doing well on 75 & 60m: 3995 w/ mx whenever the SSB-senders would pause; 4750-Makassar best in quite a while at 1345 w/ semi-classical piano mx; talkovers; still at 1413 when singing & violin had been added; SSOB except for 5025-Cuba at the outset; 9526- VOI Jakarta unusually on the air at 1534; since CRI East Turkistan 9525 had a het on it; CRI EE dominated, but VOI probably also in EE; 1/29. (Hauser-OK)[SSOB=strongest sig on band?-ed.] 1353 Song w/ piano; occ. weak hets (P) from N.Am hams; 1359 Indo ancment & singing ID(?) jingle; Makassar 4750 also in well; but not much else; nice sig; 2/1. (Hauser-OK)
- 4050H **USA KWMO** Washington 0606-0621 Having heard the harmonic on 2980 from Colombia; I was motivated to look again for the third harmonic of KWMO-1350, "The Mouth" Washington MO on 4050 at 0616; yes, intermittent bits of US talk in EE; but mostly ute QRM; since there was any sig at all from presumed KWMO; probably another instance of running day facilities at night; still no Truth from Guatemala on 4052.5; looking again for the KWMO third harmonic at 0606; traces of country mx; a bit better at 0614 w/ W anc talking about who would sing the NA at the Superbowl; just barely audible tho S-meter displayed S9; trouble is, the noise lvl on a clear freq was S8; 0621 more country music peaking; 1/29 & 30. (Hauser-OK) 0556-0705 I make regular chex of 4050 in case KWMO Washington MO makes it thru; but usually not; today there was just barely audible mx (P) from this 1350 stn; current champ in the third-harmonic radiation category; relatively quiet conditions 2/14 at 0556 allowed a weak S9+5 sig to be audible w/ country mx; faded a bit at 0600 sharp when inserted ID including "KWM-" & right back to more of same mx; 3 x 1350; 2/13 & 14. (Hauser-OK)
- 4319U **DIEGO GARCIA AFN** 1540 Self Help prg re drug addiction in the medical profession; poor; 1/11. (Delmage-AB) 0013-0034 Sports Line prg w/ M anc in EE discussing top sports stories of the week; Air Force Radio News at 0030 w/ M & W anc; v. weak; just above the noise w/ ute QRM; becoming stronger after 0030; //5446.5 & 7811-Key West w/ strong sigs; 7811 became much

weaker after 0030; 1/16. (Evans-TN) 2227 Interview w/ the Grenada Ambassador to the US; re what happened to Grenada in '04 is now similar to what is now happening to Haiti according to the Ambassador; "All Things Considered"; ID & e-mail addy; NPR Worldwide: Info @ WWW.NPR.org/worldwide; fair; 1/23. (Kivell-FL)

- 4409.9 **BOLIVIA R. Eco** Reyes 0024-0030 M ancr in SS w/ cmntary followed by lcl mx; fair lvl but overall poor; between ute QRM & atmospheric QRN; 2/7. (Wlodarski-NJ)
- 4450 **NORTH KOREA KCBS** Pyongyang 1348 KK singing; p-f; 1/20. (Sellers-BC)
- 4460 **CHINA CNR-1** Beijing 1227 Children's vcl mx; W ancr; 1/17. (Barton-AZ) 1349 M & W ancr in CC; fair; 1/20. (Sellers-BC) 1710-1735* M ancr until 1719; slow CC pop songs & talk over mx; some ancments w/ IDs ment. Zhong guo; final ancment over mx & s/off at 1735:03; best heard in SSB; moderate deep QSB & strong static; brief utes & birdies at times; poor w/ NIR12; 1/26. (Serra-Italy) 1410 Apparent live New Year's Eve concert by singer; also heard same on 6040 & several other 49m ch.; some of them jammers; altho the live concert may have been over by 1540; 13675-CRI Sackville had some nice traditional mx; concluding w/ an evocation of a few notes from The Internationale at 1546; IDs in EE & CC; 2/13. (Hauser-OK)
- 4500 **CHINA Xinjiang PBS** Urumqi 0032 Noted here in listed Mongolian; poor under CODAR; 2/13. (Dexter-WI)
- 4699.9 **BOLIVIA R. San Miguel** Riberalta 2314-2330 M ancr in SS w/ ID 2317 church bells followed by prayer; 2320 lcl type mx; 2322 ID; fair; 1/24. (Wlodarski-NJ) 4699.95 0115; 0030 Same M ancr as previous logs; much weaker sig; trnx C. Bolland tip; 1/21 & 22. (Wilkner-FL) 4700 2345-0002 (P); Talk by M occ. breaking through the noise; lcl mx at 2355; short ancments by man at 2358 & W at 2359; M at 0000; v. poor; improving slightly; 1/25. (Evans-TN) 1030-1045 "seis in la manana"; "en todos el tiempo"; "en Bolivia hoy"; rooster crows; ".en la radio seis en las manana"; much improved sig as returned to 4700; 2300 "Amigos en las mision"; 1/27. (Wilkner-FL) 0000-0015 Being received well; possibly two txmitters in use; one weaker on 4699.95; 4700 stronger & on at the moment; 2/3. (Wilkner-FL) 0110 Noted here during banscan; good; 2/5. (Wilkner-FL)
- 4716.68 **BOLIVIA R. Yura** Yura 1045 Usual W ancr w/ CP mx; t-storm crashes; 1/16. (Wilkner-FL) 4716.8 1000-1015 TC w/ M ancr in SS w/ rooster crowing; 1002 lcl type mx w/ W ancr in between selex's; fair; 1/16. (Wlodarski-NJ)
- 4747 **PERU R. Huanta 2000** Huanta 1107-1115 M ancr in SS w/ relig talk; f-p at times; 1/17. (Wlodarski-NJ)
- 4750 **BANGLADESH Bangladesh Betar** Shavar 1352 (T); Checked since the AIRs were coming in well; M ancr in lang & vcl selections; poor; 1/20. (Sellers-BC) 1148-1200 (P); Hindi-like vcl mx; conts. thru ToH; barely audible under band noise; v. poor & at imagination lvl by 1200 in ECCS-LSB; if I had to guess who, I'd say Bangladesh; 1/26. (Barbour-NH)
- 4750 **INDONESIA RRI Makassar** 1352 Conts. W ancr in Indo; w/ ripple. (P) from one of the other 4750 stns on a slightly different freq; likely CNR-1; also some mx on 3325 at 1349 but can't be sure it was Palangkaraya as Atsunori Ishida <http://www.max.hi-ho.ne.jp/a-ishida/ins/> says Buka, PNG often QRMs past 1400; 1/19. (Hauser-OK)
- 4754.9 **BRAZIL R. Imaculada Conceição** Campo Grande 2350-0002 (P); M ancr in PP; relig mx at 2357; talk resumed at 0001; at noise lvl most of the time w/ bits & pieces peaking enough for a (T) ID; 1/25. (Evans-TN) 4755 0304 (P); Past two nights, around this time, picking up a strong carrier w/ hints of whipser-quiet talk; sound PP; v. weak; 1/8. (Barbour-NH)
- 4760 **ANDAMAN & NICOBAR ISLANDS AIR Port Blair** 1701-1730* (P); Non-stop, repetitive indigenous chanting/singing & mx; 1727 ancment; too weak to ID lang; believe AIR Leh scheduled for 1700*; poor; 2/6. (Howard-CA)
- 4765 **TAJIKISTAN Tajik Radio** Yangiyul 0303-0336 Familiar format w/ M & W ancns in listed Tajik; between pop-like mx selex's; taking listener phone-calls from 0313 thru t/out; f-g; surprisingly strong & clear sign at t/in; best ever as far as I can recall, even from ex-4635; began to lose strength by BoH; 1/9. (Barbour-NH) 4765.05 1738-1745 Chants & M ancr in vern.; best heard in LSB to null het; moderate QSB & static; vox QRM at times; f-p w/ NIR12; 1/26. (Serra-Italy)
- 4774.9 **PERU R. Tarma** Tarma 0100-0115 Noted here during banscan; good; 2/5. (Wilkner-FL) 4775 1104-1115 Lcl mx; poor w/ CODAR; 1/16. (Wlodarski-NJ)
- 4775 **SWAZILAND TWR** Manzini 0351 At astounding lvl; almost 100% readable in FF; I thought for a moment it was WWCR testing again; two M in conversation with occ. laughter; tribal vcl at 0354; more brief talk & another group vcl; off at 0358, but back just after 0400 re-check; 1/12. (Dexter-WI) 0352 Listed Lomwe svc; sounded like sermon being delivered to a congregation; who responded back to preacher; f-g over CODAR; 1/12. (Strawman-IA) 0417-0439 M preaching in GG; choral singing at 0425 followed by ID; address & prg closing ancments; soft instrumental mx into EE prg at 0430 w/ lcl ancments followed by canned relig preaching; fair; 1/22. (D'Angelo-PA) 0413 Under co-ch. WWCR w/ prg in GG; gospel songs; poor; 2/14. (Ronda-OK)


- 4775 **USA WWCN** Nashville 0607-0700 Alex Jones show w/ many prog IDs & GCN Network IDs; ads for survivalist items such as gold, solar power & food sources; station ID at ToH; v. good; 2/3. (Wood-TN) 0456-0505 M in EE talking about shoe bomber & neo-cons; promo for "Fall of the Republic" DVD; ID at 0500 before returning to prog; now here instead of 5070 w/ exc. sig; 2/4. (D'Angelo-PA) 0330 WORLD OF RADIO confirmed on new 4775-WWCR, UT Sun. 0330; 2/7. (Hauser-OK)[*0300-1200* x5070; nice knowing you Nigeria, Peru, Swaziland & Djibouti-ed.]
- 4780 **DJIBOUTI RTD** Atta 0400 Lcl vcls; M anc in listed Afar; 1/12. (Dexter-WI) 2040-2101* AA talk & lcl HoA mx; s/off w/ NA at 2100; weak but readable w/ CODAR; 1/16. (Alexander-PA) 0357 Typical drum & flute mx w/ M chants; the stn appeared to go off the air for about two minutes at 0410 but returned; good; 1/23. (Kivell-FL) 0458-0508 HoA mx; quick ancment at 0501; v. weak; just above noise lvl w/ heavy CODAR; 1/25. (Evans-TN) *0300-0330 S/on w/ NA; AA talk at 0301; Qur'an at 0302; talk at 0313; rustic lcl mx at 0325; p-f w/ CODAR & noisy condx; 1/31. (Alexander-PA) 0340-0350 Mixture of mx including M. East pops & chants; some sweeper QRM; fair; 2/5. (Wood-TN)
- 4790 **PERU R. Vision** Chiclayo 1010-1020 Relg prgrming; M preacher in SS leading prayers; good; 1/16. (Wlodarski-NJ) 0442-0508 M preaching in SS before a "live" audience; nice ID at 0454 followed by instrumental mx & TC; choral vcls until 0500 when another M gave several stn IDs before another preacher began talking; p-f; 1/22. (D'Angelo-PA) 0528-0545 Non-stop relg mx w/ lcl instruments & vclists; v. brief ancments; just a few words; over the music at 0530 & 0546; moderate sig; strength improving w/ heavy CODAR; 1/24. (Evans-TN) 0910-0930 Lcl type mx; ID at 0925 by M anc in SS; fair w/ CODAR; 2/14. (Wlodarski-NJ)
- 4800 **MEXICO XERTA** Mexico City 1117 OM espanol w/ weak sig; 1/27. (Wilkner-FL) 0238 (P); M anc w/ talk between relg sounding mx; v. poor & v. noisy; 1/31. (Barbour-NH) 0655-0705 Lively pop mx; ancments by M at 0659 followed by more mx; ID at 0704; generally poor w/ some good peaks; 2/4. (Evans-TN) 0837-0910 Prg of conts. soft SS vcls & instrumentals; poor w/ heavy CODAR; 2/7. (D'Angelo-PA) 0621 SS preacher in conversational tone; what a relief compared to overwrought David Miranda via Brasil 9565 a few minutes earlier; weak but almost readable sig vs CODAR; XERTA is seldom heard here this well; or at all & must be v. low power; tho it does make it to Spain; 2/8. (Hauser-OK) 0708 W singer vs CODAR; then ID as "La nueva estrella, XERTA" but fade during the rest & not sure they were still calling themselves Transcontinental; mx bed had a bit of "Blessed Assurance" so still relg; on to conts. talk; rough copy but seemed sermonic; fair; 2/13. (Hauser-OK) 0508 SS vcls; rarely heard here; f-p; 2/14. (Ronda-OK) 0930-0940 M anc in SS w/ relg type talk; modern relg mx; 0937 Mancr w/ ID; fair w/ CODAR; 2/14. (Wlodarski-NJ) 1215 SS talks; background mx; no AIR regionals here!; 2/14. (Paszkiwicz-WI)
- 4805 **BRAZIL R. Difusora do Amazonas** Manaus 1015-1025 Two M anc in PP w/ nx prg; 1020 ID followed by more nx; exc. w/ some CODAR; 1/16. (Wlodarski-NJ) 1027-1040 M anc in PP w/ relg prg; 1034 musical selection; modern relg type song; good but w/ CODAR; 1/24. (Wlodarski-NJ)
- 4810 **ARMENIA V. of Armenia** Yerevan 1919-1929* M anc in AA until 1924; lcl slow pop song; M anc for about one minute; mx bit & s/off; best heard in SSB; lite QSB & rustle; fair; 1/18. (Serra-Italy)[nice catch-ed.]
- 4810 **INDIA AIR Bhopal** 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC) 1245-1250 (P); W anc in Hindi; threshold lvl sig; only occ. above the noise; 2/5. (Evans-TN)
- 4815 **ECUADOR R. Buen el Pastor** Saraguro 0101 Weak under CODAR; 2/13. (Dexter-WI)[nice catch-ed.]
- 4820 **INDIA AIR Kolkata** 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC)
- 4820 **TIBET Xizang PBS** Lhasa 2034-2045 Non-stop slow piano mx; mx bit & W anc over mx; piano mx continues; best heard in SSB; lite QSB & static; good; 1/27. (Serra-Italy) 1220 CC talks; poor; //4905; 2/14. (Paszkiwicz-WI)
- 4824.4 **PERU LV de la Selva** Iquitos 1117-1130 Lcl mx; 1120 M anc in SS; ID followed by ballad; poor w/ CODAR; good; 1/16. (Wlodarski-NJ)
- 4828 **ZIMBABWE ZBC** Gweru 0403 M vcl at 0406; fair; 1/12. (Dexter-WI) 0320 (P); Strong carrier w/ audio at imagination lvl; nothing but noise on 3396; 1/29. (Barbour-NH)
- 4830 **MONGOLIA Mongolian Radio 1** Altaj 2215-2222 (P); M & W anc in unid lang.; some brief mx breaks at times; 2219 ancments over mx; W anc w/ mx bits; best heard in USB; fast QSB & rustle; lite CODAR; poor w/ NIR12; 1/27. (Serra-Italy)[freq dominated by CODAR here in NH-ed.]
- 4835 **AUSTRALIA VL8A** Alice Springs 2147-2204 Two M anc in EE; mx at 2155; M & W anc; best heard in USB w/ lite CODAR at times; fast QSB; strong rustle w/ crackle; poor /barely audible w/ NIR12 after ToH; // 4910-VL8T; barely audible w/ Tibet splatter via 4905 & 4920; 1/27. (Serra-Italy)
- 4835.43 **PERU R. Maranon** Jaen 1047-1103 Up-tempo mx w/ SS anc between selex.; (P) ad string at 1054; solid ID at 1101; W anc at t/out; weak but clear; 2/5. (Barbour-NH) 4835.5 1118-1125 M anc in SS; time check; 1121 W anc w/ ID; fair w/ CODAR; 2/13. (Wlodarski-NJ)
- 4840 **INDIA AIR Mumbai** 1400-1500 Hindi vcls noted here; fair; 1/20. (Sellers-BC)
- 4840 **USA WWCR** Nashville 0110 EE nx; some sort of ntwrk ID at 0110; ad for military supply outfit; strong for a while, then down to a near f/out; some kind of spur or other txmitter fluke; //5070; 4775 not yet active; I wish these guys would just go away; 2/13. (Dexter-WI)[agreed-ed.]

- 4845 **MAURITANIA R. Mauritanie** Nouakchott 0040-0048 Lcl chant-type, AA mx by two M w/ others in background; along w/ lcl instruments; good; improving in strength w/ slight het & occ. ute QRM; 1/16. (Evans-TN) 2059-2110 AA song w/ M singer & guitars; 2100 W ancw w/ nx & mx bits; 2105 M ancw w/ cmntary & more nx; good; 1/17. (Wlodarski-NJ) 0850-0912 M in AA w/ slow talk thru ToH; possibly a speech; still going at 0912 t/out; lists show Mauritania off at 0900; fair; 1/22. (Taylor-WI)
- 4850 **INDIA AIR Kohima** 1330 Special b/cast of the President's speech to the nation on the eve of Republic Day; in Hindi, repeated in EE; anthem into Hindi w/ ID for Kohima; lcl nx; 1423 "This is All India Radio Kohima. The news read by . The headlines"; repeat of nx in EE; 1424 suddenly off-the-air again & I tuned away; speech //4760, 4775, 4810, 4835, 4840, 4880, 4910, 4920, 4970, 5010, 5040 & 9425; Kohima was the strongest AIR on 60m; 1/25. (Howard-CA) [//s make for some nice DX catches-ed.] 1323-1401* Naga segment; nx & sports in vern. & EE; IDs: "This is All India Radio Kohima" & "This news comes to you from All India Radio Kohima"; mostly fair; not on the air every day; audio at < http://www.mediafire.com/?adzwyj4152j >; 2/6. (Howard-CA) 1315-1402* Usual format in vern. & EE; 2/8. (Howard-CA)
- 4860 **INDIA AIR Delhi** 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC)
- 4880 **INDIA AIR Lucknow** 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC)
- 4880 **PERU R. Comas** Lima 0556 (T); Great SS mx w/ kind of a soft rock flare; poor; 1/25. (Kivell-FL) [Comas last rpted in '02; all I ever get here is either SS fishermen or a numbers station-ed.]
- 4885.01 **BRAZIL R. Clube do Para** Belem 0647-0657 Mx prg w/ slow songs & ballads; usual M ancments at times: "Musica madrugada..aqui em Radio Clube!"; best heard in SSB w/ fast QSB & moderate static; fair; during same time also heard at times: R. Brasil Central 4985-poor/almost fair; R. Rebelde 5025-fair & R. Cultura do Para 5044.98-almost fair; sunrise here in Roma at around 0630; 1/31. (Serra-Italy) 4885 0948-1000 Carnival type mx; rooster crowing w/ ID; good w/ slight CODAR; 2/14. (Wlodarski-NJ)
- 4895 **BRAZIL R. Novo Tempo** Campo Grande 0349-0354 M ancw in PP w/ slow songs; 10-30dB sig w/ rapid QSB; f-g; 12/30. (Parker-PA)
- 4905 **TIBET Xizang PBS** Lhasa 1530-1600 "Holy Tibet" prg in EE; enjoyable mx show w/ New Year songs; "You are listening to Sunday's edition of Holy Tibet and China Tibet Broadcasting Company. First of all you will instantly going to hear song: Auspicious Tibetan New Year"; mostly fair; 1/31. (Howard-CA) 0001-0012 Short ancment in Tibetan by M followed by W ancw; poor but readable w/ minimal fading; //4920 & 5240; both v. poor; 2/6. (Evans-TN)
- 4915 **BRAZIL R. Difusora** Macapa 0021-0025 PP pop mx; 60dB sig; exc.; 12/18. (Parker-PA) 1015 Brazilian ballads; two M ancw w/ talk at 1018; ments. of "Brazil", "Macapa" & "Belem"; more ballads from 1020; good; 1/30. (Coady-ONT) 0427-0449 "Daniel" by Elton John followed by Brazilian pops; ID & freq ancments at 0444; fair; 2/5. (Wood-TN) 0951-1005 Relg song "Maria"; 0955 W ancw w/ ID followed by a ballad w/ M vcls; 1000 M ancw w/ TC; ID & freq ancment; exc. w/ some CODAR; 2/7. (Wlodarski-NJ) 1013-1030 Modern ballad type songs; good w/ CODAR; 2/14. (Wlodarski-NJ)
- 4920 **INDIA AIR Chennai** 0215-0220 W ancw in vern.; Baliwood mx bits; poor in strong CODAR; 12/29. (Parker-PA) 1535 EE "News at Nine" & sports until 1545; fair-weak; 1/10 & 11. (Delmage-AB) 1346 W ancw in Hindi until 1400 dialog; maybe ad w/ mx mixed; 1401 seemed like 3-pip timesig, but probably not, into singing; during the talk there was weak mx under; (P) Tibet, the only two stns active here; discounting RRI Biak; there were weaker sigs on a number of other 60m AIRs; 1/20. (Hauser-OK) 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC) 1236-1254 W ancw in Hindi; M at 1254; poor; peaking up to good at times; heavy CODAR; best of the 60meter AIR's this morning; 2/5. (Evans-TN)
- 4920 **INDONESIA RRI Biak** 1247 M & W ancws in Indo w/ contemporary Western mx; poor; 1/30. (Taylor-WI)
- 4920 **TIBET Xizang PBS** Lhasa 1133-1139 M & W ancws in listed Mongolian; (P) promo/ad over mx at 1136; back to talk; p-f; //4905; 2/5. (Barbour-NH)
- 4925 **BRAZIL R. Educaçao Rural** Tefe 1003 M ancw in PP w/ rapid-fire echo chamber talk; "Radio Educaçao" ID & ments. of "Brazil" & "Rural"; f-g; 1/30. (Coady-ONT) 4925.2 0017-0021 M ancw in PP; 50dB sig; exc.; 12/18. (Parker-PA) 1008-1020 M ancw in PP w/ ID; several ads; 1015 ballad w/ M vcls; good w/ some CODAR; 2/7. (Wlodarski-NJ)
- 4930 **BOTSWANA VOA** Moeping Hill 0339-0343 EE nx re "Nigerian underwear bomber"; 30dB sig; exc.; 12/30. (Parker-PA) 0209 A few hours before Pres. Obama's State of the Union address; I found out the special freqs VOA was going to use to b/cast it live at 0200-0330; I quickly tuned thru the list around 0209; the only ones heard for sure were 4930 when the Pres. had not quite started & the ancw ment. voanews.com; shortly afterwards found 9885 better as welcoming applause was ongoing; nothing audible on the others except traces of carriers on a few of them; BTW, I also noticed that the secret VOA Creole txmission at 02-03 was lacking 7590 but still on 7465; apparently not covering the speech; 1/28. (Hauser-OK)

- 4935 **BRAZIL R. Capixiba** Vitoria 0203-0209 Impassioned preacher in PP; 30dB sig & quite good despite strong CODAR; 12/29. (Parker-PA) 0257-0303 M ancw w/ mx; 40dB sig overcoming CODAR; good; 12/30. (Parker-PA) 0409 M ancw in PP; fair; 1/12. (Dexter-WI) 4935.2 0821-0840 M ancw w/ sermon; many "Halleluiahs"; 0831 M ancw w/ ID followed by a diff. preacher; fair w/ CODAR; 2/7. (Wlodarski-NJ)
- 4940 **CHINA V. of Strait** Fuzhou 1500-1525 "Focus on China" in EE; program only on Sun.; today had 25 minute prg; not the usual half hour; nx items re traveling by train for the upcoming Spring Festival (Chinese New Year); poor w/ moderate AIR Guwahati QRM; 1/24. (Howard-CA) 1255 M ancw w/ bouncy contemporary mx; 4+1 pips at 1300; ID & more talk, (P) nx; f-p; 1/30. (Taylor-WI) 1500-1530 A full half hour Sun. "Focus on China " prg; finally made out their starting ID: "This is the Voice of Taiwan Strait News Radio"; then "This is the Voice of Strait. Fuzhou, China"; nx re China; 1/31. (Howard-CA)
- 4940 **INDIA AIR Guwahati** 1430 M ancw ment. Guwahati; poor w/ QRM via co-ch. China; 1/20. (Sellers-BC) 1155-1215 Lcl type mx w/ flute & chanting; 1200 ID by W ancw followed by nx; 1202 co-ch. V. of the Strait-China started up w/ about equal sig strength; fair; 1/24. (Wlodarski-NJ) 1255-1254 W ancw in Hindi; v. poor; just above noise; but definitely Hindi; 2/5. (Evans-TN)
- 4949.8 **ANGOLA R. Nacional de Angola** Mulenvos 0424-0440 (P); Usually hear only a carrier on this freq; but tonight heard threshold lvl talk by M ancw; v. weak sig; below noise lvl most of the time; other Africans on 60m were stronger than usual tonight; 2/10. (Evans-TN)[great catch, I haven't had any usable audio here since last summer-ed.]
- 4949.9 **PERU R. Madre de Dios** Puerto Moldanado 1040-1045 (T); Audio en espanol; difficult log here; 1/14. (Wilkner-FL)[nice catch-ed.]
- 4950 **ANGOLA R. Nacional de Angola** Mulenvos 0247-0252 M ancw in PP w/ pops & crooner ballad; lite QRM via CW ute; strong 50dB sig tho audio a tad low; g-exc.; 12/30. (Parker-PA) 0411 Mostly a hum w/ just a tickle of modulation; audio w/ CODAR; 1/12. (Dexter-WI)
- 4950 **KASHMIR R. Kashmir** Srinigar 0149-0219* Seems their s/off time varies some; sked 0215*; (P) in Hindi w/ SC mx; poor; best in USB to get away from Angola carrier; 1/25. (Howard-CA) 0201-0215* Recently they had been running a little bit past their sked 0215 s/off; still best in USB to get away from Angola; 2/1. (Howard-CA)
- 4955 **PERU R. Cultural Amauta** Huanta 2325-2351 M ancw in SS; followed by W ancw at 2332 w/ ID & several ancwments; OA vcls before TC at 2338 & more talk; poor; 1/16. (D'Angelo-PA) 2340-0005 W ancw over lcl mx; apparent relg talk by M & W w/ no mx at 2348; W ancwments at 0002; lcl mx at 0003; poor to moderate sig w/ some fading; 2/6. (Evans-TN) 1109-1120 Lcl type mx; 1115 M ancw w/ nx; good; 2/3. (Wlodarski-NJ)
- 4960 **SÃO TOME VOA** Pinheira 0402-0405 "VOA Africa" w/ nx of recent kidnappings; 60dB sig; exc.; 12/29. (Parker-PA) 0541 Nx & interview prg in FF; fair; 1/11. (Flaitz-NY) 0408 W ancw & comments or feature on Africa; better than // Botswana; 1/12. (Dexter-WI)[// freq?-ed.] 0426 Promos for "Daybreak Africa"; ments. of "On This Date in History" w/ talk of it being Henry Aaron's birthday; into nx at BoH; poor; //4960 Botswana-poor; 2/5. (Wood-TN)
- 4965 **ZAMBIA CVC** Lusaka 0409-0415 M ancw in vern. w/ mx; 30dB sig; g-exc. despite other stations periodically colliding; 12/29. (Parker-PA) 0233-0237 M ancw in EE & relg pops; huge 50dB sig & exc. audio; required either LSB or wide AM filter & -3kc tuning to eliminate strong ute QRM; [date?-ed.]. (Parker-PA) 0259 Christian mx; full ID at 0300 & then Today's Christian Message at 0301:30; vg 1/10. (Delmage-AB) 0235 Relg prg; fair; 1/15. (Flaitz-NY) 0033-0049 (P); M & W ancws w/ talk; occ. joined by second M; poor w/ fading; 1/16. (Evans-TN) 2114-2130 Modern relg mx; M ancw w/ sermon; p-f at times; 1/17. (Wlodarski-NJ) 0120 V. strong w/ Christian relg vcl; 2/13. (Dexter-WI)
- 4974.8 **PERU R. del Pacifico** Lima 0227-0233 M ancw in (P) SS; barely above noise floor; poor; 12/30. (Parker-PA)
- 4975 **TAJIKISTAN V. of Russia** Yangiyul 1930 In EE w/ VoRWS ID & continued prgring; fair; 1/11. (Delmage-AB)
- 4975.96 **UGANDA UBC** Kampala 2052-2102* Afropops; W ancw in EE w/ strong African accent; slow pop song; suddenly off at 2102; best heard in SSB; fast QSB; rustle & crackles at times; poor-almost fair w/ NIR12; 1/27. (Serra-Italy) 4976 0417-0420 Afropops; 35dB sig; g-exc.; 12/29. (Parker-PA)
- 4980 **CHINA Xinjiang PBS** Urumqi 0236-0240 M ancw in Uighur followed by nx; sig to 20dB but w/ rapid trans-polar QSB; p-f; 1/5. (Parker-PA) 2356-0013 W ancw; M at 2358 followed by brief mx; W ancwments at 0000; M & W banter, sometimes rather excited; occ. few bars of Asian mx; similar prg & same lang noted on 5060 at 0011; but not //; poor; better on 5060; Tibet also noted on 60m at this time; 2/6. (Evans-TN)

- 4985 **BRAZIL R. *Brasil Central*** Goiania 0013-0016 PP ballad; 60dB sig; exc.; 12/18. (Parker-PA) 2203-2211 M ancw w/ IDs; long prayer recitation over slow song; best heard in USB; moderate QSB & static; almost fair w/ NIR12; 1/25. (Serra-Italy) 2258 Futbol live "goooooo!"; strong sig; 1/27. (Wilkner-FL) 1128 W vcl; M ancw w/ ID & freqs; f-g w/ some noise; 1/27. (Kivell-FL) 0100-0115 Noted here during bandscan; exc.; 2/5. (Wilkner-FL)
- 4990 **SURINAME R. *Apintie*** Paramaribo 0445-0456 W ancw in EE; M in Dutch taking phone request; mix of slow & fast pops; slamming in w/ 50dB sig; exc.; 12/29. (Parker-PA) 0352-0403 (P); Cont. ballads & pop-like mx thru ToH; p-f at best; been hearing this one fairly regularly lately during my lcl evenings, but I'll be damned if I can catch an ID; 1/9. (Barbour-NH) 1025-1045 W ancw w/ ad; one for an airline; 1031 M ancw w/ TC; 1034 nx in Dutch; 1042 W ancw re Haiti; good; peaking at 1032; 1/16. (Wlodarski-NJ) 0436-0520 Soft pop vcls w/ promo by M & W ancw w/ several ments. of Radio Apintie in EE; ID at 0500; EE ancment followed by more pop vcls; p-f; 1/25. (D'Angelo-PA) 0422-0426 (P); First time I have heard much on this freq in quite a while; M ancw speaking a Germanic lang w/ soul mx in EE; f/in-out w/ heavy QRN; gone at subsequent rechecks; poor; 2/5. (Wood-TN) 0008-0020 M ancw w/ listener call-in prg; good; 2/7. (Wlodarski-NJ) 0122 M vocal at 0122; seeming in Dutch; poor but still the best heard in their current showings; better at 0330 re-tune; 2/13. (Dexter-WI) 0943-0950 M ancw w/ ad for internet svc followed by TC; 0949 M ancw w/ ID; fair; 2/13. (Wlodarski-NJ) 0450 Pop vcls; switched loops & was better on the AOR 350; 2/14. (Paszkwicz-WI)
- 5000 **HAWAII *WWVH*** Kekaha 1145 W w/ time ancments & M ancw w/ solar indices under WWV; v. Weak; 1/16. (Coady-ONT)
- 5000 **ISRAEL *Galei Zahal*** Tel Aviv 1527-1555 (T); Seemed to be the Israel Army Radio stn; this was just about a grayline recepx; their sunset 1458, my sunrise 1520; played some mx; seemed to be in Hebrew; poor; tough copy due to timesignal stns here; first time I have heard them here; website < <http://glz.co.il/> >; 1/14. (Howard-CA)
- 5005 **EQ. GUINEA R. *Nacional*** Bata 2200-2254* Afropops & SS ancments; s/off w/ NA; weak; poor in noisy condx's; 1/15. (Alexander-PA) 2134-2201 Afropop & songs in SS: Guantanamo, La Bamba & other ballads; best heard in LSB; fast QSB; occ. ute QRM; static; f-p; 1/23. (Serra-Italy) 0541-0550 Slow lcl mx; two M in SS at 0542; mx resumed at 0545; talk again at 0547; weak; strength improving w/ fading; 1/25. (Evans-TN) 2152-2215 Afropops; 2204 W ancw w/ ID; more Afropops; fair; 2/5. (Wlodarski-NJ) 0544-0616 Vcls by W singer; M ancw in SS; lively vcls through ToH; ID at 0608 followed by nx w/ several remote rpts; fair peaks but generally poor; 2/6. (D'Angelo-PA) 0608 SS talk w/ a bit of reverb; poor but w/ Castilian accent & anyhow there are no LAs on this freq; so surely RNGE Bata; 2/8. (Hauser-OK)
- 5009.96 **MADAGASCAR *RTV Malagasy*** 0304-0315 Lcl relg prgming w/ choral mx; Malagasy talk & prayers; poor in noisy condx; full AM mode; 1/24. (Alexander-PA) 5010 2139-2150 Two M ancws w/ sports cmntary; fair; 12/4. (Wlodarski-NJ) 0251 Instrumental mx w/ drums & xylophone-type sound; M ancw w/ ID; IS & NA; poor; 1/26. (Kivell-FL)
- 5010 **INDIA *AIR Thiruvananthapuram*** 1240-1250 (P); M ancw in Hindi; replaced at some point by W ancw; threshold lvl sig w/ just a few words readable; 2/5. (Evans-TN)
- 5020 **SOLOMON ISLANDS *SIBC*** Honiara 1301 W ancw w/ BBC nx; weak using synch detector on LSB & 4 khz filter to avoid 5025-Rebelde; 1/10. (Coady-ONT) 1220 BBC prg; poor; 1/11. (Flaitz-NY) 1124-1140 BBC prg w/ relg-type mx; good sig strength but 5025-Rebelde splatter; 1/31. (Wlodarski-NJ)
- 5025 **CUBA R. *Rebelde*** Havana [UTC?-ed.] Audible w/ fair sig until about 0810; then slowly disrupting its sig & audio until 0855+/- f/out; sunrise here in Roma at around 0630; 1/31. (Serra-Italy)
- 5030 **MALAYSIA-SARAWAK *RTM*** Sarawak FM Kuching 1358 Still clear of ChiCom QRM; but too much Cuba-5025; a bit better comparatively at 1413 w/ W ancment in (P) Malay after song; but still splatter from Rebelde especially during mx which is most of the time; but RTM kept gaining on Cuba during the hour & by 1503 w/ (P) nx by W ancw; sig lvl had axually surpassed 5025; at 1510 finally understood something as W concluded nx w/ "Salaam Aleikum"; 1511 mx; still audible until starting to f/out at 1533; this was almost two hours after lcl sunrise at 1343; 1/11. (Hauser-OK) 1500 T/in time to monitor the 2-pip timesig; this time it was close to correct rather than 3 seconds late; no doubt having noted my previous observations; 1/14. (Hauser-OK) 1450 (T); Mx & (P) Malaysian talk; poor; 1/20. (Sellers-BC) 1437 In vern.; pop songs; "R-T-M Kuala Lumpur" nx; many "Sarawak FM" IDs; EZL reception until 1516 t/out; is a true pleasure to hear this w/out the presence of CNR-1; 1/25. (Howard-CA) 1403 Ancment & song; fair against Cuba-5025 splash; 2/1. (Hauser-OK) 1418-1444 Sat. format of repetitive indigenous mx accompanied by chanting/singing; along w/ on-air phone call; would think that this unique chanting would help folks to confirm they are hearing this stn on Saturdays; fair; audio (MP3) at < <http://www.mediafire.com/?m3zgzz0jtf0> >; 2/6. (Howard-CA) 1359 Tom Jones' "Lonely Is a Man Without Love" accurate 2-pip timesig at 1400; less modulated talk; (P) nx in lcl lang; SINPO 25433; Cuba-5025 too weak to bother now; fair; 2/9. (Hauser-OK)[nice catches, I have log envy-ed.]

- 5039.25 **PERU R. Libertad** Junin 1040-1100 W ancw w/ ments. de Lima & two other Peruvian cities; no mx; f/out; 1/16. (Wilkner-FL)
- 5040 **INDIA AIR Jeypore** 1616 Assume live coverage; in progress from the stadium in Bangladesh of the presentation ceremonies after the end of the India vs. Sri Lanka cricket match; in EE several players interviewed; 1623 back to the studio for discussions in Hindi & EE re the game fans calling in; 1/13. (Howard-CA) 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC)
- 5044.98 **BRAZIL R. Cultura do Para** Belem 0507-0525 Mellow Brazilian mx; ID at 0511; fair; 2/7. (Alex ander-PA) 5045 0653 T/in w/ conts. light Jazz; Radio Cultura(FM?) & freq ID at 0659; 0730 & 0800 when they changed mx still to more pop; vg; 1/11. (Delmage-AB) 0406-0408 Mx in PP pounding in w/ 70dB sig & hi-fi audio; exc.; 1/14. (Parker-PA) 0600-0612 EZL mx w/ M ancw in PP; ID w/ freq & city; fair; 1/18. (Wood-TN) 1008-1023 M ancw w/ ID followed by pop mx in EE & EE; 1018 ID; usual g-exc. sig; 1/24. (Wlodarski-NJ) 0109-0138 "Live" concert in EE; featuring Cambridge, MA. legends, Morphine; a few quick breaks for studio ancw w/ non-descript P/cments; lengthy ID ancment at 0137 & back to mx; v. pleasurable listening; saw Morphine back in '94 at a WBCN-Boston sponsored fest w/ six other 90's era bands; 1/29. (Barbour-NH) 1001 M & W ancw w/ ad/promo string; then ment. of "Noticias do Para" at 1010; into apparent n: w/ W ancw; v. good; 1/30. (Coady-ONT) 0402-0421 Mx renaissance of US pops from the late '60s & early '70s; PP ID & freq ancments at 0411; fair; 2/5. (Wood-TN) 0950-1010 Guitar mx; 0955; M ancw w/ ID; 0956 jazz mx; 1000 another ID followed by more mx; exc.; 2/13. (Wlodarski-NJ) 0606 Instead of the usual unannounced, automated(?) mx for long stretches; R. Cultura do Para had apparent live coverage of the beginning of Carnaval; "do inicio ao fim" w/ IDs in passing phone numbers; crowd sounds; maybe b/casting from the street?; there is lite but not annoying reverb on the ancw's mike; note this was 3+ am in Belém; 2/14. (Hauser-OK)
- 5050 **CHINA Guangxi Beibu Bay Radio** Nanning 1424 Brief bit in EE; "I am Eric Maskin, the 2001 Nobel Laureate in economics. The launch of CAFTA [China ASEAN Free Trade Area] to bring mutual benefits to all the countries of ASEAN. I think it is a very exciting development. I look forward to seeing what happens"; into "Top Music" show of EZL songs; in Vietnamese w/ only the prg name in EE; 2/6. (Howard-CA)
- 5050 **INDIA AIR Aizawl** 1400-1500 Hindi vcls noted here; poor; 1/20. (Sellers-BC) 1601-1611* S, off was earlier than usual; suddenly off in mid-sentence; co-ch. China had already s/off; 1/25 (Howard-CA) 1620-1630* DJ & pop songs in EE; The Troggs w/ "Love Is All Around", etc.; s/off ancments in EE & Hindi; 1/27. (Howard-CA) 1604-1630* Radio drama until 1629 s/off ancment too weak to make out lang; 2/8. (Howard-CA)
- 5050 **UNIDENTIFIED** 1118-1132 Ballads w/ brief W ancw in CC between selex's; conts. until ballad a 1128 going thru BoH; poor at BoH when possibly //9820 under co-ch. CNR-2 China; too much static & fade to tell for sure if either Beibu Bay or Huayi BC Corp; 2/9. (Barbour-NH)
- 5050 **USA WWRB** Morrison 0700 On the air after 0700; must have been a fluke; or a make-good?; as it was gone again 23+ hours later at 0622 check 1/14 w/R. Cultura do Para again in the clear on 5045 as always playing nothing but pop mx; never classical as one might expect; 1/13. (Hauser-OK)
- 5060 **ERITREA R. Bana** Asmara 0400 (P); Ancw & HoA-like mx; v. weak; barely audible; 2/5. (Barbour-NH)
- 5070 **USA WWCN** Nashville 0643 Generally holds up w/ large sig at night; but it was weakening; non solid as "skip was long" &/or MUF was low over path from Nashville during talk show discussing CES Las Vegas; not much was making it on 7; 9 or 11 MHz either; except Australia-9660 & New Zealand-11725; 1/17. (Hauser-OK)
- 5075 **CHINA V. of Pujiang** Shanghai 1246-1253 M & W ancw in CC; a few bars of CC mx at 1252 there more W ancw; poor; 2/13. (Evans-TN)
- 5120.36 **PERU Ondas del Suroriente** Quillabamba 1050 M ancw en espanol; 1/17. (Wilkner-FL)
- 5446U **USA AFN** Key West 0358-0400 "Pentagon Focal Point"; looks like Yemen is next, so ante up Mr Taxpayer; 60dB sig; exc.; 1/14. (Parker-PA)
- 5485.45 **PERU R. Reina de la Selva** Chachapoyas 0000-0015 M vcl; v. strong at 0000-0015, tnx D. Valko original tip & log; 2/3. (Wilkner-FL) 0100-0115 Noted here during bandscan w/ many IDs by M ancw; exc.; 2/5. (Wilkner-FL) 5485.5 0134-0142 M ancw in SS; OA mux; ads; poor; re-check a 0215 but gone; tnx to R. Wilkner & D. Jensen tips; 2/3. (D'Angelo-PA)
- 5580.19 **BOLIVIA R. San José** San José de Chiquitos 0000 The one noted here; 1/20. (Wilkner-FL) 5580.1 0100-0115 Noted here during bandscan w/ mx; moderate sig; 2/5. (Wilkner-FL)
- 5755nf **USA WTWW** Lebanon 0030 Testing on 9480 w/ mx but propagation had dropped out here so weak & fading; at 0045 came up on 5755; much better sig w/ mx; S9+15 on the FRG-7 but that's just slightly above the lcl noise lvl w/ computer on; much better than 5745 str; (P WWRB; modulation seems good but still not a solid sig; don't know how much longer they will be on tonight; rechecked at 0117; MUCH stronger sig S9+22 or so; now solid as if they turned up the power but were supposedly full power earlier; so maybe we had just hit a propagation hole then; still much stronger than Brother Scare on WWRB 5745 & much, much stronger than

- WWCR PMS/DGS on 5935; WWCR 5890 PPP does not start until 0200; comparing sigs to these neighbors should be helpful; 0120, 0124 & 0130 IDs; apparently between each tune; "Coming to you from near the banks of the Upper Cumberland River in middle Tennessee, this is WTWW, Lebanon, Tennessee, USA, performing equipment tests"; mod seems a bit distorted now &/or w/ selective fading distortion; disappeared at 0126:30 or so; back on at 0128; here's the ID recorded around 0134 UT 1/14 on 5755; the final one before went off at 0136; <http://www.w4uvh.net/WTWW.rm>; 1/14. (Hauser-OK) 0143 Testing again around 0142 & 0147 w/ same ID & probably same mx loop as before; carrier & modulation off & on several times as needed: 0213 off; 0218 OC; 0219 not audible; 1/15. (Hauser-OK) Follow-up to last rpt about WTWW's long-hours test on Jan 23; George McClintock tells me that WTWW was off the air until about 0130, 1/24; as he was repairing a water leak in the cooling system; but then back on 5755 and well audible here; Ted Randall, whose recorded IDs & requests for rpts had been playing every few minutes; went live from his home studio at about 0300 responding to e-mails; shortly taking phone calls to a toll-free number 1-877-511-8890; asked just about every caller if they were a ham op & just about everyone said no; I did not catch any of their names; G. McClintock was also on the air by phone at 0337-0341 & again at 0430; as the txmission was extended until 0436*; apparently no further on the air testing Jan 24; 1/24. (Hauser-OK) 0219 WTWW back on testing w/ mx at quick check; good sig & modulation; 1/26. (Hauser-OK)
- 5770 **MYANMAR Myanmar Defense Forces BC** Taunggyi 1447-1528* (P); In vern. w/ pop & indigenous songs; the usual indigenous instrumental mx at s/off; mostly fair; above average recep; 2/8. (Howard-CA)
- 5790 **UNITED KINGDOM BBC** Skelton 0318-0322 Discussion in AA re Yemen; 70dB sig; exc.; 1/11. (Parker-PA) 0615 RR dialog re Ukrainian election; shortly ment. BBC; fair but would be better w/out QRM & overload from Cuban spy cut numbers superstrong 5800; BBCWS EE-5875 was v. good; 5790 is 250 kW, 47 degrees from Rampisham at 05-07; 2/8. (Hauser-OK)
- 5830 **UKRAINE R. Ukraine Int'l** Kharkov 2343-0000 Choral mx; talk by W ancr at 2345; sometimes joined by M; ID at 2358; ancnments by M & W; piano mx; IS at 0000 followed by start of GG prg; moderate sig; 1/27. (Evans-TN)
- 5840 **GERMANY RFE/R. Liberty** Lampertheim 0427-0431 Talks in Tatar; 40dB sig; exc.; 1/5. (Parker-PA) 0415 W ancr in listed Tatar to CIS; [date?-ed.] (Dexter-WI)
- 5840 **SWEDEN R. Canada Int'l** Hoerby 0312 W ancr in AA; fair; 2/14. (Ronda-OK)
- 5860 **KUWAIT R. Farda** Umm Al-Rimmam 0433-0436 Talk in Farsi; 30dB sig; poor thru QRM; 1/5. (Parker-PA)
- 5865 **FRANCE R. Algerienne** Issoudun 0440-0443 Talk; mx bridge into Kor'an chants; outstanding 70dB sig; exc; 1/5. (Parker-PA)
- 5875 **THAILAND BBC** Nakhon Sawa 1355 In EE; poor but no QRM w/ rpt from Haiti; next check at 1445; EE again mixing w/ another lang; but atop it (P) BBCWS Arabic as before; w/ phoner; [also] 1404 w/ optional cutaway cue "World News from the BBC" for benefit of affiliates for whom three minutes of news is plenty; atop co-ch. in AA we have been noting for several days now; a little birdie tells me this is indeed BBCWS via Cyprus; 1/18 & 19. (Hauser-OK)
- 5875 **UNITED KINGDOM BBC** Rampisham 0509-0513 EE interviews of air passengers all to eager to submit of new & obscene "security" rituals; if it will only keep them safe from Nigerian underwear bombers; walloping 70dB sig; exc.; 12/29. (Parker-PA)
- 5875 **USA WHRI** Cypress Creek 0348 Sounds like a concert by a Christian rock band; "Your Majesty" & "The Space In Between Us"; applause after each song; v. strong; 1/26. (Kivell-FL)
- 5880 **UNIDENTIFIED** 0328-0334 M ancr in EE w/ British accent; (P) spur but definitely not an image; nothing shows in lists for this freq; weak & sporadically audible; 1/11. (Parker-PA)
- 5885 **VATICAN Vatican Radio** Sta. Maria di Galeria 2309 T/in to hear classical guitar mx; but off at 2310* before there could be a 2.5 minute fragment of a Vatican Radio EE b/cast as might have happened on 7395 or 9600 if I had remembered which free to check; leading up to Vietnamese from 2315; 2/5. (Hauser, OK)
- 5900 **BULGARIA R. Bulgaria** Plovdiv 0335-0338 Nx in EE; 70dB sig; exc.; 1/14. (Parker-PA) 0332 Mx prg in EE featuring Bulgarian artists singing hip-hop; interviews of said artists in Bulgarian w/ EE translations; stn & prg ID; off at ToH; good; 2/5. (Wood-TN)[Bulgarian hip-hop! good grief!-ed.]
- 5900 **UNIDENTIFIED** 1343 Big hum & no intelligible modulation; B-09 registrations show Tashkent-UZBEKISTAN site during this semihour w/ Vatican relay; but 5900 keeps switching sites w/ relays of various stns: 0930-Irkutsk; 1200-Pet/Kam; 1300-Novosibirsk; 1330-Tashkent; 1400-Samara; this might have been the latter warming up before 1400 start of VOR Urdu; 1/23. (Hauser-OK) 

International Band Loggings


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- 5900 **BULGARIA R Bulgaria** in EG 0332, music program featuring Bulgarian artists singing hip hop, interviews of the artists in BG with EG translations, ID and s/off ToH, g (Wood TN 2/5) in EG *0300, IS, ID, frequency, sked, news, g (McGuire 1/24)
- 5905 **PORTUGAL Deutsche Welle** relay via Sines in EG 0413, news re Greece experiencing market jitters over its debt, brief sports, ID, Rick "DW" from Bonn, g (Kivell FL 1/22)
- 5915nf **ZAMBIA CVC Int'l** relay via Lusaka in EG 0436, religious program, "Playback" show with many Christian pop/rap songs, ID, promo, "1 Africa News" and "Kickstart" show, vg (Howard CA 2/9)
- 5930 **CZECH REPUBLIC R Prague** in EG 2345, Ian Willoughby with the end of sports news, "One on One" feature w/Chris Johnston, //7345, g (Coady ONT 1/11)
- 5940 **BRAZIL R VoZ Missionaria** in PT 0500-0605, promos, jingles, IDs, Portuguese contemporary Christian music, f, //9665.1 but very weak (Alexander PA 1/24)
- 5960 **TURKEY V of Turkey** in EG *2257, IS, ID, pips, sked, news, item re Al Qaeda arrests in Ankara, vg (Kremer OH 1/18) in EG 2300, ID, sked, websites, program hi-lites, news, g (Coady ONT 1/10)
- 5980 **UNITED ARAB EMIRATES Polskie Radio** relay via Dhabbaya in PO, news, commentary, ID, part of an IS, //5990 relay via Wooferton (Paszkievicz WI 2/12)
- 5985 **MYANMAR Myanmar Radio** Yangon in EG 1530-1600*, usual format of news, weather, slogans, music, and their NA, QRM until 1557 but in the clear until s/off (Howard CA 2/8)
- 5990 **SLOVAKIA IRRS Milano** relay in EG 0528, classical music prior to start of xmsn at 0530, ID, religious talk and music, f, QRM from WYFR on 5985 (Evans TN 1/25)
- 5990 **BRAZIL R Senado** Brasilia in PT *0922, abruptly on w/BR pop music and ballads, ID 0930, more music and talks, g (Alexander PA 1/22) in PT 0928, mellow vocal, jazzy flute exchange w/2 flutes and percussion, vocals, ID, frequencies including MW, jingles, g (Taylor WI 1/22)
- 6010 **COLOMBIA La VoZ de tu Conciencia** Puerto Lleras in SP 1035-1115, religious talk, NA 1102, ID, short music breaks, more religious talk, poor in noisy conditions (Alexander PA 1/13)
- 6020 **AUSTRALIA R Australia** in EG 1205, BBC program, "Saturday Night Country", CDs "available from ABC Shop Online", g, //9580 (Coady ONT 1/16) in EG 1243, feature on proposed new national laws, news re extreme heat in Australia, vg (Fraser ME 1/22)
- 6030 **CHINA CNR-1** Beijing in CH/EG 1505-1550, frequent IDs in EG, montage of CH/EG audio bits, CNF news, features "Global Vision", "Feel the Pulse of the World", news in CH (Howard CA 2/3)
- 6035 **COLOMBIA La VoZ del Guaviare** in SP 1033-1110, children's chorus, talk, local music, IDs, promo, NA at 1058, announcements and talk at 1100, f (Alexander PA 2/14)
- 6040 **SLOVAKIA R Slovakia Int'l** in EG *0100, frequency, schedule, ID, news, "Slovakia Today", sports program, vg (Kremer OH 1/17)
- 6060 **CHINA China R Int'l Easy FM** via Beijing in EG/CH 1613, "China Drive" show and "Media Scan", //s on 7435, 9570, and 9600 (Howard CA 1/30)
- 6070 **CANADA CFRX Toronto** in EG 2326, "News Talk" re soon-to-be released movies, traffic report at 2330, almost 5 minutes of ads, ID 2335, news, good w/light QRM (Evans TN 1/23) ED: only 1 kw.
- 6080 **SAO TOME VOA** relay in EG 0335, interview about current US policy in Iraq, ID 0342, persistent motorboat sounding QRM (Ronda OK 2/14)
- 61048v **MEXICO XEQM Merida** in SP 0700, numerous promos, quick ads for Coca Cola, carnival, plus Noticias de la Cadena RASA, segunda emission, lunes a viernes 7-8 de la noche, time checks one second slow, hyper DJ chattering instead of playing music unimpeded, S-9+ signal (Hauser OK 2/12) in SP 0635-0710, talk, local ballads and pop music, fair (Alexander PA 1/29)
- 6120 **IRAN VOIRI** Kamalabad in EG 0134, news, IDs, talk re the "criminal Zionist regime", ID as "The Voice of Justice", good, //7250 under Russia station (Kremer OH 1/15)
- 6120 **CUBA RHC Havana** in SP 0653, "Havana Hit Parade", Latin American music w/tight harmonies and syncopated rhythms, Blues music, vg, //6060 also vg (Wood OK 1/18)
- 6130 **ALBANIA R Tirana** in EG *0130, ID, schedule, news re the World Bank, Albanian Higher Education and Haiti, local music, vg (Kremer OH 1/17)
- 6135 **TAJIKISTAN V of Russia** relay via Dushambe in PT 0050, talks by two OMs, short announcement by YL at 0057, poor with heterodyne from co-channel station, //9965 and 7290 (Evans TN 1/28)
- 6140 **UNITED ARAB EMIRATES Gospel for Asia** relay via Al-Dhabbaya in Malayalam 0023, religious talk, postal and web address, contemporary religious music, prayer, fair w/fading (Evans TN 1/28)
- 6150 **CUBA RHC Havana** in SP 0824, speech about Cuba, brief NA, talk, ID, local news, p-f with QSB, //6140 w/almost fair signal but stronger audio (Serra ITALY 1/26)

- 5155 **INDIA AIR** Bangaluru in Urdu 0110-0215, continuous selections of Hindi vocals and instrumental music targeted to Pakistan, ID 0131, news, back to music 0136, f (D'Angelo PA 1/24)
- 5165 **CHAD R National Tchdienne** N'Djamena in FR 2252-2259*, vocal, announcer over flute music, operatic vocal, ID, NA and s/off (Taylor WI 1/23)
- 5165 **NETHERLAND ANTILLES R Nederland** relay via Bonaire in DT 0400, bell chimes, ID, frequency, schedule, "Newsline", g (McGuire MD 1/23)
- 5190 **BOSNIA R Serbia Int'l** relay via Bijeljina in EG 0149-0158*, "Music Heritage feature, IDs, frequency schedule, address, IS, vg (Kremer OH 1/15)
- 5240 **MOLDOVA V of Russia** relay via Kishinev in EG 0230-0057, "News in Brief", item re Byelorussia and Russia unable to reach agreement on oil, "Christian Message from Moscow", vg (Kremer OH 1/10)
- 5260 **MOLDOVA Family Radio** relay via Kishinev in EG 2044-2100*, Harold Camping w/Bible talks in program titled "God Be the Glory", Part 64, g (D'Angelo PA 1/24)
- 5890 **ALASKA KNLS** Anchor Point in EG 1406, ID, short talk on stamp collecting, comments on US plans for 2010 issues, Postcard from Alaska about Glacier Bay starting with bird sound effects, into gospel program at 1412 - "True Stories from the Bible in Contemporary English", g (Hauser OK 1/19)
- 7125 **GUINEA RTV Guineenne** Conakry in FR 2326-2400*, lively West African pop music non-stop except for a couple of quick announcements, talk by OM/YL at 2357, g (Evans TN 1/29)
- 7145 **LAOS Lao National Radio Vientiane** with relay of FM in Laotian 1353-1435, pop music, sound effects, ads, DJ with EZL songs, singing jingles, p-f with ham QRM (Howard CA 1/29)
- 7165 **ETHIOPIA R Ethiopia** Addis Ababa in Afar? 1537, pop music, xylophone-like music at 1600 similar to the R Oromiya IS, into EG program 1600 with ID and news summary, EG pop songs (Howard CA)
- 71857v **MYANMAR Myanmar Radio** Yegu in Burmese? 1444-1530*, EZL indigenous songs, s/off anncmt w/frequencies and instrumental music, good, //5915 w/QRM from CRI (Howard CA 2/13)
- 7200 **RUSSIA R Rossii** via Yakutsk in RS 0514, talk by OM, ID followed by talk by OM and YL, program of Russian pop and light classical music, g (Evans TN 1/22)
- 7245 **CHINA CNR-2/China Business Radio** Beijing in EG/CH 1430-1500, "English Evening" program, commentary on fashion, Beijing having cold weather, business news, small amount of CH used, //s on 6065, 6090, 6155, 7315, 7335, 9775, and 9820 (Howard CA 1/28)
- 7250 **RUSSIA V of Russia** via Krasnodar in EG 0100, ID, news, feature on Haiti, g (McGuire MD 1/17)
- 7295 **MALAYSIA Traxx FM** relay via RTM Kajang in EG 1724, Western-style DJ and pop music, ID 1731, into Malaysian(p) at 1800 with news?, poor w/a few good peaks (Sellers BC 1/23)
- 7320 **IRAN VOIRI/IRIB** via Sirjan in EG 2008, news with usual emphasis on Iran, Iraq, and the Middle East occasional music bridges, talk by OM at 2015, poor but steady signal, //6010 weak (Evans TN 1/28)
- 7460 **THAILAND VOA** relay Udorn in EG 2322, feature "Learning American English", program on "Culture Tips" discussing the art of negotiating, fair w/fades, //11840 stronger (Evans TN 2/3)
- 7475 **GREECE R Makedonias** Avlis in GK 2243-2251*, lively Greek songs, ID, frequencies at 2240, NA at 2249 and s/off at 2251, good (Ronda OK 2/12)
- 9330 **SYRIA R Damascus** in EG 2132-2201*, news about Haiti earthquake and Middle East peace efforts, IDs, local pop music, talk about plans to preserve Old Damascus, more news 2150, anthem at 2200, into SP programming 2202, good, strong audio but slight hum (Alexander PA 1/29)
- 9390 **EGYPT R Cairo** Abu Zaabal in AR 2350, talk by OM before and after a 3 minute pop music segment, theme music and YL w/announcements, pips 2400, talk by OM, p-f, //9250 weak (Evans TN 1/17)
- 9410 **SEYCHELLES ISLAND BBC** relay in EG 2031-2100*, news re overseas purchases of British iconic brands, e.g. purchase of Cadbury by Kraft Foods, IDs, BBC news, fair (Wood TN 1/23)
- 9425 **INDIA AIR** Bangaluru in EG 1435-1502, Wednesday edition of "Vivdha", interview with Dr. Renu Malaviya about autism, read poems about women, "Girl Child Week" in India, fair (Howard CA 1/27)
- 9430 **ZAMBIA CVC Int'l** relay via Lusaka in EG 0451, gospel and contemporary religious music, YL with announcements, news at 0500 followed by religious talk, IDs as "1 Africa", vg (Evans TN 1/18)
- 9445 **INDIA AIR** Bangaluru in EG 1935, ID, Hindi music, closing announcements 1944 and off 1945, fair signal w/some fading and noise, //7550 weak (Evans TN 1/23) in EG 2148, YL and OM speaking about finding God, into Hindi vocals, IDs, AIR news, //7550 (Sellers BC 1/23)
- 9480nf **USA WTWW** Lebanon, TN testing in EG 1826-1900*, playing oldies w/announcer Ted Randall mentioning test broadcast and asking for signal reports, announcements came after every 2 or 3 songs, no titles provided, test continued on 9745 with weaker signal (D'Angelo PA, Evans TN 1/23)
- 9505 **ZAMBIA CVC Int'l** relay via Lusaka in EG 2143-2205*, pop vocals hosted by YL, several "1 Africa" IDs, HIV health messages and other promotional messages, gongs ToH, jingle ID, rap tune from 2204 until carrier cut, f-g (D'Angelo PA 1/24)

- 9526v **INDONESIA V of Indonesia** Jakarta in EG 1339, high-pitched YL in extended talk, ID 1345, po music to 1359, another ID w/frequency and schedule, website, switched feeds in mid-sentence t Malay pop music w/middle eastern sound, g-f dropping to S6 w/low modulation by 1435 (Straw man IA 12/14) in EG 1016-1033, YL w/talk about flowers, ID for "Indonesian Voices" and VC website, talk about economic meeting of "member" states, full ID, news about Russian diploma in Indonesia, into feature "Indonesian Wonders", fair at best w/band noise (Barbour NH 2/7)
- 9575 **MOROCCO R Mediterranee Int'l** via Nador in FR/EG 2038-2101, music w/FR announcer between selections, Rod Stewart tune and Christopher Cross "Ride Like the Wind", ID at 2100 and in news, poor-fair with splash from Gabon on 9580 (Barbour NH 2/2)
- 9580 **CUBA China Radio Int'l** relay via Havana in CH 0200, following close of EG transmission at 0157 IS, ID, news, good signal (McGuire MD 1/23)
- 9590 **AUSTRALIA Radio Australia** in EG 1100, time check, ID, news and commentary about El Nin "will cause drought in the Philippines, very good signal (Kremer OH 1/18)
- 9655 **SRI LANKA Deutsche Welle** relay via Trincomalee in GM 0005, ID, news, good (McGuire MD 1/21)
- 9825 **SLOVAKIA Miraya 101 FM** in EG 1500.-1600, IDs, news, website, sports news, several different ID re Miraya FM, occasional short Vernacular talks, into AR 1545, talks, music, fair (Alexander PA 1/29)
- 9950 **UKRAINER Ukraine Int'l** Kharkov in EG 1205, news re Ukrainian politics and elections, ID, feature "Ukraine Today" re government support for small business, fair (Barbour NH 1/29) in EG 100f news, talk re political and current affairs, feature "Ukrainian Daily", ID, good (Serra ITALY 1/31)
- 11655 **MADAGASCAR R Nederland** relay in EG 1829, ID, frequencies, features "Radio Books" and "Th Apostate", good (Coady ONT 1/31)
- 11675 **AUSTRIA Polskie Radio** relay via Moosbrunn in PL/EG 1300, fanfare and IDs in PL and EG, int Danuta Isler with the news followed by "Europe East", good (Coady ONT 1/31)
- 11710 **BOTSWANA VOA** relay in Hausa 0502-0530*, news in language, features, music, ID in EG and I (Yankee Doodle theme music) at s/off, poor to fair (D'Angelo PA 1/24)
- 117108v **ARGENTINA RAE** General Pacheco in PT 0015-0110+, talk, local music, IS/ID sequence at 005f ID announcements in SP at 0100 and more local music, into Japanese talk 0108, f-g (Alexande PA 1/30) in FR 0318-0341, tango music, talk, IDs, music fanfare prior to features, 2+1 time pip at 0330 while OM continued talking, FR version of "That's Life" at 0334, p-f (D'Angelo PA 2/3)
- 11765 **BRAZIL Super Radio Deus e Amor** Curitiba in PT 0055-0115, ID, local religious music, preache fair signal, //6060 weak under Cuba and 9565.2v only threshold (Alexander PA 2/13)
- 12080 **AUSTRALIA RA** Brandon in Pidgin/Tok Pisin, news items about the Pacific region (Port Moresb Hospital etc.), IDs, 2058 "Waltzing Matilda" IS, into EG 2100, fair -CODAR QRM (Howard CA 1/21)
- 12085 **SYRIA R Damascus** in EG 2139, AR songs, political commentary, frequent music bridges, modulation was fine on music but low on voice, difficult to understand talks, signal gone by 2000 (Sellers BC 1/2f)
- 13660 **NEW ZEALAND RNZI** in EG *1059-1124, IS, time pips 1100, into Pacific regional news to 110f music break, feature "Dateline Pacific" on current affairs, fair (Serra ITALY)
- 15120 **NIGERIA V of Nigeria** Ikorodu in EG 1708-1925, YL w/news, music fanfare ending news, ID an discussion by two OMs about Nigerian community, more news 1732, retune later to local musi program, poor to fair (D'Angelo PA 2/10)
- 15400 **ASCENSION ISLAND BBC** relay in EG 1800, time pips, ID, report on Nigeria, commentary o Afghanistan, fair (McGuire MD 1/22)
- 15535 **AUSTRALIA CVC International** relay via Darwin in EG 0934-1019, pop music with DJ announce IDs "CVC Radio" at times, talk, songs, continuous music, good w/lite QSB (Serra ITALY 1/26)
- 15670 **SLOVAKIA IRRS Miraya FM 101 FM** relay in EG/AR *1400-1615, s/on with pop music and ID a "Miraya FM", western pop music and Afro pops, pips 1500, news in EG, AR talk 1510, good leve retune 1530-1600 but mixing with R Mada at same level (Alexander PA 2/14)
- 17725 **LIBYA Voice of Africa** Sabrata in EG 1422-1450, features, local vocals, ID "This is the Voice o Africa from the Great Jamahiriya", TC, news, poor w/noise and fades (D'Angelo PA 1/31)
- 17745 **PORTUGAL Sudan Radio Service** via Sines in EG/AR *1500-1545, ID, contact info including E-ma address and phone #s, "Let's Talk" drama series with talk about local elections, local music, int AR talk at 1529, EG is scheduled for weekends only, good (Alexander Pa 1/23) in EG/AR 152f neat jingle IDs featuring "Sudan Radio Service" sung in EG several times with music by full hili orchestra into AR dialect with the echo turned off (Hauser OK 1/26)
- 17895 **BOTSWANA VOA** relay in EG 1655, ID, African service, editorial, abrupt s/off, fair (McGuire 1/2f)

landestine And Opposition Stations

- 297v **ALGERIA Radio National de la RASD** via Rabouni in SP/AR 2337, talk by OM with a few bars of music in the background, traditional music at 2340, talk resumed in AR 2345, good (Evans TN 1/23)
- 1655 **GERMANY Radio Dabanga** relay via Wertachtel in AR 1700-1727*, talk, ID jingles, // 13800, both frequencies with good reception (Alexander PA 1/23)
- 5670 **PRIDNESTROVYE Radio Mada Int'l** in Malagasy? *1530-1600*, test tones at 1523 w/sign on at 1530 talk in language, local music at 1555 to 1600 s/off, poor in noise, weekends only (Alexander PA 1/31) in Malgasy *1530-1600*, interview in studio with noisy crowd in the background, 1555 played nice African ballad until abrupt s/off at 1600, fair (Howard CA 1/30) 

In the Short Waves by Jerry Berg

www.ontheshortwaves.com> **Update, January 31, 2010**—Under "Specialized Resources," we have begun a new section: "The Pioneer Days - NNRC." With roots going back to 1927, the Newark News Radio Club was the country's oldest all wave listener's club. From June 1966 until the club's final bulletin in 1982, the NNRC bulletin contained a column called "The Pioneer Days." It was written by longtime member Carroll H. Weyrich of Baltimore, and it reprised early issues of the club bulletin going back as far as 1935. True to the club's broadcast band origins, the column contained a good deal of broadcast band information, but it covered other areas as well, including shortwave. We have posted two files, containing "The Pioneer Days" from 1966 and 1967, and we will post others in the future.

www.ontheshortwaves.com> **Update, February 13, 2010**—For many years the National Radio Company of Melrose, Massachusetts was one of the leading names in shortwave receivers. This week, under "DX History/Equipment & Advertising," we have posted a booklet that was published by National in 1964 in commemoration of the company's 50th anniversary. It contains photos of much of the fondly remembered National equipment. National started business in 1914 (!) as a manufacturer of power plant specialty items. It expanded into the toy business, then aircraft parts and household items, finally getting around to radio in 1924. -- Also this week, under "Specialized Resources," you will find two new "Wavescan" reports: January 31, 2010, "In Touch With Time--The Story of Chronohertz Station ATA in India," and February 7, 2010, "Eclipse Monitoring in the Pacific (1930)."

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.

WORLD OF RADIO SHORTWAVE SCHEDULE

Anticipated with DST time-shifts from March 14;
until then, US times are one UT hour later than shown.
European times shift one UT hour earlier than shown
starting March 28.

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

Wed 1530 WRMI 9955 [hoped to be first airing]
Wed 1900 WBCQ 7415 9330-CUSB?
Wed 2030 South Herts Radio 3935 occasionally, low power
Thu 1900 WBCQ 7415 9330-CUSB?
Fri 0030 WRMI 9955
Fri 0330 WWRB 3185 [NEW]
Fri 1430 WRMI 9955
Fri 2030 WWCR1 15825
Sat 0800 WRMI 9955
Sat 0900 IPAR/IRRS/NEXUS/IBA 9510 [~2nd, 4th, 5th Sats]
Sat 1330 WRMI 9955
Sat 1630 WWCR3 12160
Sat 1900 IPAR/IRRS/NEXUS/IBA 6170
Sat 1900 WRMI 9955
Sun 0230 WWCR3 5070 or 4775?
Sun 0630 WWCR1 3215
Sun 0800 WRMI 9955
Sun 1230 South Herts Radio 6215 occasionally, low power
Sun 1515 WRMI 9955
Sun 1715 WRMI 9955
Sun 1900 WRMI 9955
Tue 1530 WRMI 9955
Tue 1900 WBCQ 7415 9330-CUSB?
Wed 0130 WRMI 9955

Latest complete schedule including AM, FM, satellite,
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<http://www.wrn.org/wrn-listeners/customize-panel/addToPlaylist/98/09:00:00UTC/English>

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Good listening to all NASWAnS, Glenn Hauser

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ISSN 0160-1989



The Journal of the
North American Shortwave Association

Executive Director: Richard A.D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610

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