

The **NASA** Journal

VOLUME XLV NUMBER 6

JUNE 2005



North American Shortwave Association — America's Shortwave Broadcast Club

Quality Equipment From Universal Radio

AOR

AR7030 PLUS



The AOR AR7030+ is the latest result of a combined project between the AOR Company of Japan and a designer group in England. The AR7030+ represents the very latest and best design featuring exceptionally strong signal handling and is bristling with enhanced features. The AR7030+ has been targeted to handle strong signals that are of prime concern to European listeners. It offers greater than +35dBm IP3 and 104dB dynamic range (SSB, 2.2kHz, 20/40kHz spacing). This coupled with excellent selectivity make the AR7030 a strong choice for the shortwave broadcast listener or DXer. Although performance is excellent, features have not been forgotten. You get: Synchronous AM, Passband Tuning, four levels of attenuation, dual VFOs and 24 hour clock-timer. The 400 scannable memories store frequency, bandwidth, PBS, Squelch and BFO settings plus alpha tagging. The mini headphone jack will accept a mono or stereo 3.5mm plug. The two line 48 character backlit LCD gives you the status of the receiver. The AR7030+ comes with four standard bandwidths. There is a 2.2 kHz filter for SSB. There is a Murata CFK455J 4.0 kHz for AM DXing (stated as 3 kHz by the Murata and displays/sounds like 3.7 kHz in this radio). There is also 5.5kHz AM filter and a 9.5 kHz filter for NFM. The supplied full-featured 32 button infrared remote provides access to virtually all facilities including: volume, tone, numeric keypad, memories, PBT, filter selection, etc. A remote RS-232 level port is also provided for computer control. Made in England. Includes 120 VAC wall adapter.

AOR AR7030+ Order #3396 \$1489.55

Order#	Price	Optional Item
◆ 1523	79.95	AOR CFJ455K Murata 1 kHz Filter
◆ 2371	59.95	AOR CFK455J Murata 4 kHz Filter
◆ 2146	59.95	AOR FL124 Daughter Board
◆ 0565	99.95	AOR MF300 Collins 300 Hz CW Filter
◆ 3852	99.95	AOR MF500 Collins 500 Hz CW Filter
◆ 2739	99.95	AOR MF4 Collins 4 kHz AM Filter
◆ 1215	99.95	AOR MF6 Collins 6 kHz AM Filter
◆ 0174	89.95	AOR SM7030 Service Kit with diagnostic disk.
◆ 0889	339.95	AOR UPNB7030 NB and Notch Upgrade

ICOM

R75



Universal Radio is pleased to continue to offer the ICOM R75 receiver. With full coverage from 30 kHz to 60 MHz, all longwave, medium wave and shortwave frequencies are supported plus extended coverage to include the 6 meter amateur band. Some of innovative features of the R75 include: Synchronous AM Detection, FM Mode Detection (but not the FM broadcast band), Twin Passband Tuning, Two Level Preamp, 99 Alphanumeric Memories, four Scan Modes, Noise Blanker, Selectable AGC (FAST/SLOW/OFF), Clock-Timer, Squelch, Attenuator and backlit LCD display. Tuning may be selected at 1 Hz or 10 Hz steps plus there is a 1 MHz quick tuning step plus tuning Lock. The front-firing speaker provides solid, clear audio. The back panel has a Record Output jack and Tape Recorder Activation jack. The supplied 2.1 kHz SSB filter is suitable for utility, amateur, or broadcast SSB. However, two optional CW/SSB filter positions are available (one per I.F.). The formerly optional UT-106 DSP board is now included and factory installed! The IC-R75 is truly a great value.

ICOM R75 Order #0175 \$549.55



GP-4L

The County Comm GP-4L is smaller than a pack of cigarettes, but can tune in the world. This amazing radio tunes AM, FM and has two shortwave bands. Shortwave band 1 tunes from 5.95-9.95 MHz to include the 49, 41 and 31 meter bands. Shortwave band 2 tunes from 11.65-17.9 MHz to include the 25, 19 and 16 meter bands. Medium wave coverage is 530 to 1710 kHz and FM is 80-108 MHz. This radio also features a 12 hour format clock with timer function. The buttons to set the clock are on the rear panel. This radio requires 3 - 4.5 VDC or two AA cells (not supplied). The GP-4L comes with earbuds. This new latest L models also features a built in bright LED. Here is an inexpensive, yet capable radio that is just right for your emergency kit or on-the-go listening. 2.5 x 3.5 x 1".

GP-4L Order #0247 \$21.95

LA CROSSE TECHNOLOGY

WS-8117



The La Crosse Technology WS-8117U-O digital wall clock features radio controlled time and date. It also displays the indoor temperature in the range of 32°F to 122°F (0°C to 50°C) and outdoor temperature in the range of -21.8°F to 156.2°F (includes TX6U outdoor wireless temperature sensor). The day name can be displayed in English, French or Spanish. It has dual LCD screens and can display in 12 or 24 hour format. It handles these time zones from UTC to -12 UTC: UTC (GMT), Atlantic, Eastern, Central, Mountain, Pacific, Alaskan and Hawaiian time. Requires a total of four AA cells (not supplied). There is a flip-up stand for table-top use. Size is 12.2 x 8 x 1.2".

WS-8117U-O is oak and WS-8117U-C is cherry.

WS-8117U-O Order #1449 \$39.95
WS-8117U-C Order #3778 \$38.95

TENBA

P301



This high-quality, Tenba P301 protective case is the best insurance you can buy for your handheld scanner, wideband receiver or HT.

The main pocket will comfortably store your radio and the AC adapter, extra batteries and accessories. Additionally, there is a zippered, top loading, zippered front pocket to separately store small accessories like earphones. The P301 uses Protek™ cloth, a waterproof, rugged and easily cleaned ballistic nylon. The P301 is more than just a canvas case. It has protective padding built into all four sides and the bottom. It can be carried via the hand grip, shoulder strap or belt loop. Size: 6 1/2 x 8 1/2 x 5 inches.

Tenba P301 Order #3514 \$17.95

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We have two new columns appearing in this month's *Journal*. The first marks the return of **Kim Andrew Elliott** back to the pages of the *Journal* with his own column devoted to international broadcasting and anything else he finds interesting to discuss. In these difficult times for international broadcasting, the topics Kim will cover promise to be interesting and thought provoking. Your thoughts, comments and suggestions to Kim and/or to *Musings* will be appreciated. The second column re-introduces a popular feature that has been on extended leave since **Mark Fine** needed to step down as English Schedules editor over a year ago (by the way, thanks to Mark for his excellent service to the club!). **Mike Barraclough** of the World DX Club will be providing the *Journal* with *Times and Frequencies of English Language Broadcasts* (TAFIE). Mike compiles TAFIE from station schedules, monitoring observations and reported updates in the DX press. This joint cooperative effort between these two clubs extends the meaning of our motto, "Unity and Friendship." Your feedback on the TAFIE is also appreciated.

Just a brief reminder that due to rising printing costs, we must increase our dues structure to cover these higher monthly expenditures. Effective immediately the price of a year's membership in the USA and Canada will increase by \$3.00 per year, or just 25 cents per month. Sample copies of the *Journal* will increase from \$2.00 to \$3.00 per sample copy. The new rates are \$29.00 for the United States, Canada, and Mexico. Priority Air to South America and Europe is \$36.00. Priority Air to Africa and Asia is \$40.00. A complete schedule of rates to various areas will be on the cover of the *Journal* and on your renewal postcard.

In early May, **Ralph Brandi**, **Tracy Woods** and myself were invited by **Jeff White** of the National Association of Shortwave Broadcasters (NASB) to attend their scheduled meeting on Digital Radio Mondiale (DRM) in Washington, DC. The meeting was held at Radio Free Asia's facilities in Washington, DC. A key item that should interest shortwave listeners is the formation of a US DRM Listeners Committee to get comments and feedback from the SWL community. I think this is an important step in getting the listener engaged in the process. Ultimately, it will be the listener that will determine if DRM will be successful or not. More information about this should be forthcoming in the next few months. Probably the most exciting piece of intelligence from the meeting was the news that at the IFA 2005 Exhibition in Berlin, Germany to be held from 1-7 September, two or more portable DRM receivers should be displayed for the first time. It is anticipated that these should be available for sale for the Christmas shopping season in Europe. This should be a major first step in making DRM shortwave user friendly. A comprehensive report will appear in the *Shortwave Center*.

From our good friend and colleague **Anker Petersen** we learn that the European DX Council (EDXC) concluded a successful conference in Prague in early May. A comprehensive report will eventually appear in the *Shortwave Center* as space permits during the summer months. However, it should be noted that the EDXC has undergone a radical make over. When the three-year term of Luigi Cobisi as Secretary General and Paolo Morandotti as Assistant Secretary General ran out in December 2003, they could not be re-elected according to the EDXC Statutes from 1998. Since no other candidates were proposed by the full member clubs, Messrs.

Cobisi and Morandotti were asked to continue running the EDXC on an interim basis while a working group had a close look at the EDXC statutes. The full member clubs agreed to a completely revised set of statutes in April 2005. The most important change is that individual DXers now can get Full Membership in addition to the DX clubs and umbrella organizations. The interim Secretary General concluded the debate by stating that the EDXC is now revived and will during this summer get its membership reconstructed and establish a Board of Directors. At that point, proposals will be invited for new leadership of the EDXC, establishment of a membership fee for 2005, and for the location of future EDXC Conferences. Preliminary interest has been expressed for organizing Conferences in St. Petersburg during autumn 2006 and possibly the United Kingdom the following year.

Steve Whitt, General Editor *Medium Wave News*, sent news about a new CD chock full of useful information for users of the Sony ICF2010/2001D radio. Steve has been a user of this radio and published two booklets on the subject. He is offering a CD filled with useful information for users to get the best use out of their ICF2010/2001D radio. This unique CD is available directly from Steve and contains valuable archive material, some of it rare, all of it interesting that should appeal to Sony ICF2010/2001D radio users. Further details and ordering information are contained in a musing from Steve.

Once again, **Sean D. Gilbert**, the International Editor of the *World Radio TV Handbook* (WRTH) informs us that the "WRTH is pleased to announce that a pdf file containing the summer 2005 schedules from nearly 250 International, Foreign Service, Clandestine and Target broadcasters is now available for download from our website at www.wrth.com. The file contains 94 pages of schedules and frequency listings in the same format as WRTH and is just over 330k in size. You will need Adobe Acrobat 5 or later to open the file (a link to the Adobe website is provided on our site). Updates to this file will be posted on our website during the course of the Summer broadcasting season. We hope you find this file useful, both on it's own and as a companion

to the printed WRTH." I have downloaded the file and it is excellent. A real plus for the active shortwave listener. Thanks Sean and the fine folks at the WRTH for this useful service.

Early congratulations to the **Danish Short-wave Clubs International** (DSWCI) in anticipation of celebrating their 50th year Jubilee in 2006. The club is planning to have a celebration in connection with the DSWCI DX Camp and AGM on 4-7 May 2006 at the beach resort of Vejers near the westernmost point of Denmark at the Scout camp. Vardeborg which offers primitive accommodations in an excellent noise-free DX environment with nearly no limits for drawing antennas in the sand dunes along the North Sea. A limited number of better accommodations are available at the two small hotels in that village. Also, there is a nearby camping site and possibilities of renting bungalows. The DSWCI is preparing a large program of activities which include: a DX-Camp from Thursday afternoon throughout till Sunday morning; a cultural tour on Friday to the town of Varde including an Danish painting exhibition; various historical exhibitions and publications about the DSWCI are planned; the Annual General Meeting Saturday morning; some of the founders and old-timers will be invited; various DX-related lectures Saturday afternoon; special DX-broadcasts and a Jubilee Dinner Saturday evening. More details, including participation fee, will be forthcoming at a later date. Non-member DXers and broadcasters are welcome.

The Association of International Broadcasting (AIB) Global Media Business Conference 2005 takes place in Montreal, Canada on 6 and 7 June 2005 in Studio 47 at the CBC's TV center for two days of debate about broadcasting, technology, content and strategy. This is a change from the original dates in May. Hopefully, we will be able to get a report from the conference during the summer months from our man on the scene, John Figliozzi.

AIB informs us that the cutbacks at swissinfo outrage the French Swiss. An annual congress of Swiss living in France voted unanimously to support a resolution opposing the

Swiss Broadcasting Corporation's (SBC) plans to cut Switzerland's news and information platform leaving only a reduced English Department. The Swiss ambassador to France supported the resolution also complaining about a lack of a shortwave service. It seems the boys and girls running the SBC can't make anyone happy these days as Switzerland disappears from the world landscape. That's too bad. Maybe they should give shortwave broadcasting a try? This seemed to work out just fine for many decades until the dimwits got involved.

Don't forget to place your order for the Danish Shortwave Clubs International (DSWCI) 7th Edition of the *Domestic Broadcasting Survey* (DBS), which includes the 33rd annual Edition of the *Tropical Bands Survey*. Distributed primarily by e-mail it costs a very DKK 40.00, EUR 5.00, US\$7.00, GBP 4.00, or 6 IRCS. A printed edition is available for a slightly higher price: DKK 75.00, EUR 10.00, US\$15.00, GBP 6.00 or 11 IRCS. Payments to DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, Denmark. This is an outstanding piece of DX hobby research and a "must have" for any DX shack.

After ten years of continuous operation, the Internet based *Electronic DX Press* in its present form will be closing down after a comprehensive business review. Operated by well-known Australian DXer **Bob Padula**, the EDXP never quite achieved the desired impact. Bob plans to continue his professional consulting work in support of international broadcasting engineering and I would expect his interest in the listening hobby will continue forward. Good luck to Bob in his future endeavors.


Congratulations to our own distinguished professor, **Dr. Harold Cones**, who has just recently got the official announcement that he was promoted to Distinguished Professor, a university rank. There can only be two distinguished professors at any time and he is the very first ever (and the only one at the moment) at Christopher Newport Univer-

sity. Harold mentioned: "Guess I am pretty proud of it but not as proud as I would be if the six Indian stations I have out would QSL!" I sometimes wonder about Harold's priority system!

It's spring DX conditions but there is still plenty of life in the shortwave bands providing good listening opportunities. The club's electronic *Flashsheet* helps members stay on top of the action with breaking shortwave news and information. If you are a current member of the club and want to receive the electronic *Flashsheet* just drop Rich D'Angelo (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic *Flashsheet* edited by **Ray Bauernhuber**, DXRADIO@webtv.net. Each week the electronic *Flashsheet* brings a lot of exciting, late breaking DX news and information to our members. The electronic newsletter is an excellent supplement to the monthly Journal for the timely dissemination of DX loggings and breaking news. This is a service that is only available to our members. Deadlines are posted in the *NASWA Flashsheet* each week. Let's keep Ray busy otherwise there is no telling what kind of trouble he would get into without your weekly support!

Another *Flashsheet* member is "missing in action." **Michael Quinn** please contact me to restore your *Flashsheet*. Thanks!

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 electronic address, weoliver@comcast.net. The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquiries sent to Wyomissing only slow down the process. Thanks!

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

NASWeb

Visit our club home page on the World Wide Web at <http://www.anarc.org/naswa/>

Calendar Of Events

- Jun 6-7, 2005 Conference.** The **Association of International Broadcasting Global Media Business Conference 2005** in Montreal, Canada on 6 and 7 June 2005 hosted by Radio Canada International. Further information about the conference is available online at www.aib.org.uk.
- Jun 17 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcsckp@aol.com.
- Jun 17 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.anarc.org/naswa/badx/>
- Jun 17-19, 2005 AGM and DX Camp.** The **Danish Shortwave Club International** will hold its **annual general meeting (AGM) and DX Camp** at the Scout Camp Vardeborg (Vejers Beach) on 17-19 June 2005. Further details will follow.
- Jul 9 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX)** meets at the Lebanon Citizens' National Bank (LCNB), 425 West Central Avenue (Ohio 73), Springboro, Ohio at 7:00 PM. For more information contact Mark Meece at 937-743-8089 or e-mail at antennapig@siscom.net. For additional information about MONIX, check out their web site at <http://www.siscom.net/~mmeece/monix.html>
- Jul 22-24, 2005 Convention.** The **2005 WTFDA Convention** will be held 22-24 July 2005 at the Clarion DFW Airport South (4440 W. Airport Freeway, Irving, TX 75062). Hosted by John Callarman (301 W. McCart Street, Krum, TX 76249-5503), the registration fee is \$45.00 including the banquet.
- Jul 29-31, 2005 Convention.** The **11th National DX-Meeting** in Mexico will take place on July 29-31, 2005 in Tampico.
- Aug 20, 2005 Get-Together. 2005 Madison-Milwaukee Radio Get-Together.** The 12th Annual Madison-Milwaukee Get-Together for DXers and Radio Enthusiasts will take place on a Saturday sometime in August. This year's venue will be Madison. Further information will be published in future NASWA Journals, or you can contact this year's host Bill Dvorak dixerak@aol.com, 501 Algoma Street Madison WI 53704-4812, phone 608-244-5497 for more details.
- Aug 25-27, 2005 Convention.** The **International Radio Club of America (IRCA)** will hold its annual convention in Anaheim, CA on 25-27 August 2005 at the Days Inn (1111 South Harbor Boulevard, phone number 714-533-8830). Registration fee is \$25.00 with a banquet at a nearby restaurant. Convention host is Mike Sanburn.
- Sep 3-5, 2005 Convention.** The **National Radio Club (NRC)** will hold its annual Labor Day Convention on 3-5 September 2005 at the Best Western - The Inn at Towamencin (Kulpsville to the rest of us). Further details will appear in the Journal as they become available. Contact Dave Schmidt, P. O. Box 3111, Scranton, PA18505-0111 or NRCMusings@aol.com.
- Mar 3-4, 2006 Convention.** The **19th Annual Winter SWL Festival**, sponsored by NASWA, will be held at the *Best Western—The Inn at Towamencin* (Kulpsville to the rest of us), located at Exit 31 on the Northeast Extension of the Pennsylvania Turnpike, on 3rd and 4th March 2006. Richard Cuff and John Figliozzi co-chair the organizational committee. Of course, it's never too early to begin planning. Watch the pages of the Journal for registration information and other pertinent details. See you there!

May 4-7, 2006 50th Jubilee DX Camp and Convention. The **Danish Shortwave Clubs International (DSWCI)** will hold its 50th year Jubilee with a DX Camp and AGM on 4-7 May 2006 at the beach resort of Vejers near the westernmost point of Denmark at the Scout camp. The DSWCI is preparing a large program of activities which include: a DX-Camp from Thursday afternoon throughout till Sunday morning; a cultural tour on Friday to the town of Varde including an Danish painting exhibition; various historical exhibitions and publications about the DSWCI are planned; the Annual General Meeting Saturday morning; some of the founders and old-timers will be invited; various DX-related lectures Saturday afternoon; special DX-broadcasts and a Jubilee Dinner Saturday evening. More details, including participation fee, will be forthcoming at a later date. Non-member DXers and broadcasters are welcome.

Mar 9-10, 2007 Convention. The 20th **Annual Winter SWL Festival**, sponsored by NASWA, will be held at the *Best Western—The Inn at Towamencin*. Join us for this 20th anniversary extravaganza in the DX Mecca.

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

FRENDX: Twenty-Five Years Ago (June 1980)

From a recent survey of 200 membership applications 53 mentioned they heard of the club through *Communications World* with the *WRTH* (15) and DX Partyline (14) being the next biggest sources of new members. The 5th annual New England outing at Black Rock State Park in Watertown, CT hosted by Sam Barto was announced as being held on September 7th. The East Central DX Association was planning a convention coordinated by David Snyder on August 17th in Brooklyn. ANARC was planning its Irvine, California convention for July 18th through the 20th hosted by Stew MacKenzie. In Jerry Lineback's *Shortwave Center*, Neal Perdue wrote about "The Best All-Purpose All-Band Receiving Antenna" and Jerry Berg wrote "Adding a Q-Multiplier to the HQ-180 Receiver." Brian Cartwright wrote about "Communal DX" which described the formation of the TMI DX Association and some early group gatherings to DX. Bob Brown wrote about "RF Noise" from his new Radio Shack TRS-80 and Don Moman wrote about "The Drake R-7" which he described as "easily the best set I have had the pleasure of owning." A dozen DXers gathered at the home John Kapinos on April 27th. Sam Barto noted in the *QSL Report* that 132-countries were reported by members in June. Myron Smith's *Scoreboard* column featured results from 210 members including at #201 Michigan's Paul Brouillette with 48 countries heard and 37 countries verified with Iraq being his best QSL. *Log Report "C"* editor Peter Schipelliti mentioned he was at the Dayton Hamvention where over 19,000 people attended.

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: P O Box 1458, Levittown, PA 19058). 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@netzero.net. Please note, this is a **new e-mail address**. The AT&T e-mail address has been discontinued.

Musings

This column provides a forum where members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email: rdangelo3@aol.com.

Sheryl Paszkiewicz, 314 Riverview Drive, Apt 16, Manitowoc, WI 54220

I was very surprised and honored when I opened the April Journal and saw my name as the recipient of the NASWA member of the year award. I would have written earlier. First, the Journal arrived right before I left on vacation. Second, I was going to wait until actually receiving the award in the mail. I thought I had better write now though and acknowledge this honor as well as thank Executive Council. I'm in no hurry.

Thank you very much once again. Too bad I couldn't be in Kulpville for this—maybe I'll make the 20th.

73, Sheryl

Robert Kipp <RDC-Roberts-Data@T-Online.de>

Mr. Johnny Clingham, on Ascension Island, knows Radio St. Helena and Ralph Peters well and has recently published a digital picture postcard CD containing many wonderful pictures of St. Helena. The CD costs about eight British Pounds including all postage, runs under Windows and on MAC PC's, and is available from Johnny via his web site at: www.southatlanticimages.com. I have the St. Helena CD, and it is really interesting and entertaining. For real St. Helena fans, this CD is surely a "must have" item.

Links: www.sthelena.se/links/links.htm --> see Johnny Clingham and www.southatlanticimages.com --> see CD Postcards

With very best greetings, Robert

(You may recall that Robert was involved in helping Radio St. Helena catch up on its back log of QSL requests from its final transmission.)

Steve Whitt <steve.whitt@btinternet.com>, Landsvale, High Catton, York YO41 1EH, England

This year is the 21st Anniversary of Sony creating the amazing ICF2010/2001D radio which I suspect is owned and used by many of your members. I have been a keen user of this radio and some years back I published two booklets "Get the Best from your Sony ICF2010/2001D" and "Get Even more from..."

Over the 21 years that the 2001D/2010 has been around, a huge amount of information has appeared in print & on the web. When I wrote "Get the Best from your Sony ICF2010/2001D" I collected lots of stuff. And over the years I've accumulated more material.

Recently I archived my own files onto CD as a personal archive and I realised that I had material that was no longer available in print and which had vanished off the Internet! Over

the years people have asked me if my two booklets were available electronically, but the answer at the time was always "no". Now however I included them on this archive CD. It then dawned on me that maybe other people would be interested in such a CD. I'm happy to reproduce it for anyone who wants it for their personal use and enjoyment - this is not a commercial enterprise.

The CD contains the following: 1) Get The Best from Your Sony ICF2010/2001D; 2) Get Even more from Your Sony ICF2010/2001D; 3) Adverts (a selection promoting the 2010); 4) HotRodding (various items on how to modify/improve); 5) Miscellaneous; 6) Photo Gallery; including photos of different versions from different areas of the world; 7) Repair; Repair tips Parts; sources and spec sheets Repairers; 8) Reviews; Solo; Comparative; International (non-English); 9) Service Manuals; 2 different Editions including high resolution colour images of circuit boards and circuitry; 10) More Sony Stuff (Including User Guide); 11) Bibliography. In total there are over 500MB of files on the Archive CD. Files are in a variety of formats including .doc, .pdf, .bmp, .jpg, .txt and .xls

There are two ways of ordering a copy of this CD. 1) By post. Write to me enclosing payment, and your mailing address and I will send you the CD by return post. Write to me at: Landsvale, High Catton, York YO41 1EH, England. Cash payment can be \$11US; 10 Euro or £5 Sterling notes well concealed inside an ordinary letter envelope. If you don't want the risk of sending cash in the post, I recommend registered post. Non-cash payments such as cheques, Postal Orders or International Money Orders must be £5.00 Sterling. 2) Over the Internet. You can pay by PayPal by sending payment to: icf2010@uk2.net. The PayPal prices are \$11.75US; 10.75 Euro or £5.50 Sterling due to the charges levied by PayPal.

Prices include post and packing. All orders will be dispatched by post in a protective envelope and overseas orders will go airmail. I only use high quality CDs, such as TDK, to ensure you have a reliable and long lasting archive.

This unique CD contains a valuable archive of material, some of it rare, all of it interesting. I hope you feel that it may interest your members. Thank you.

If you have any further questions please don't hesitate to ask.

Best wishes, Steve Whitt, General Editor Medium Wave News

David McLaren, NE9N, 1904 1st Avenue #40, Rock Falls, IL 61071

In one of my last reports to the club concerning the availability of the Sony ICF-SW-07 shortwave receiver. I got on the Sony web site and tried to find the receiver listed anywhere on the web site. But it was nowhere to be found. So I e-mailed a question to the Sony style customer care e-mail address. The question was as follows: I would like to know if the Sony model ICF-SW-07 worldband receiver was discontinued from production? Find enclosed a copy of their response back to me. You may want to print this in the next available issue of the NASWA Journal. Until next time ... 73's and the Best of DX!

Cordially, Dave NE9N

[Sony's response to Dave: Thank you for contacting us with your inquiry regarding the ICF-SW07 Sony receiver. The ICF-SW07 Sony receiver is not available at SonyStyle.com. I suggest that you contact Sony authorized dealers in your area by visiting the following link (link omitted by RAD) to inquire for the model. Please feel free to contact the Sony Style Team for further assistance.]

Eric Bueneman (NOUIH), 631 Coachway Lane, Hazelwood, MO 63042-1347

The dissolution of ANARC was, indeed, a bit of a shock. The thing that might have saved ANARC was including a pro-free speech plank in its by-laws. In other words, no club would ever be allowed to trample on the rights of its membership to speak out on issues relating to radio or DXing, even if it was controversial. I don't think any radio club should ever trample on the rights of the membership to speak out freely on certain topics in the DX community, even go as far as to criticize that particular club's management. I have seen two radio clubs mismanaged (and these clubs shall remain nameless) as well because club management chose to trample on the free speech rights of the membership. NASWA (along with IRCA) has done a very good job of allowing its membership to speak freely of issues relating to radio and DXing...and I think that freedom of speech, which is guaranteed under the U.S. and Canadian constitutions, should be strictly encouraged in any successor organization to ANARC.

Also, I am looking to contact NASWA members in Missouri as well as in Area Codes 217, 309 and 618 in Illinois (I think Terry Klasek would like that as well) to research the possibility of starting a regional NASWA chapter. Anyone who's interested can E-mail me at NOUIHEric@aol.com as soon as possible.

73 and good DX from Eric (NOUIH)

David McLaren, NE9N <davene9n@hotmail.com>, 1904 1st Avenue #40, Rock Falls, IL 61071

Just a short note, an addendum to my last letter regarding Sony Worldband shortwave radio receivers. I got on the Sony Style website on May 12th 2005 and found out to my surprise, to take a line from a popular song "another one bites the dust!!" The Sony model ICF-SW-100S is no longer shown on the line-up of Sony world band radios. So, now that both the ICF-SW-07 and ICF-SW-100S have been taken out of production, all orders will be filled from existing stock available. At this point Sony will be out of the business by the end of the year. The only thing left to say is "That's All Folks!" If any one else would have any further information on this subject I would hope that they would share the information with others in the NASWA.

Just to let you know, I sent my membership renewal in to extend my membership for the next two (2) years! This is to take advantage of the current membership rate before the price change goes into effect on June 1, 2005.

Until the next time ...

Cordially, Dave, NE9N

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

Sometimes it's hard to figure out various stations these days. While many of the Big Boys cut transmissions and make listener contact a dirty activity, smaller stations long for any form of listener contact. One such station is The Voice of the Islamic Republic of Iran. Granted, they may not be a favorite in many households, however, I have found them to be relatively quick verifiers of reception reports plus they like to mail all sorts of interesting material from time to time. Early in May, I received three separate packages from the station packed with magazines and booklets about Islam and other good stuff. Unfortunately, much

of the material was sent multiple times but some of it was unique. A further package of goodies arrived as I was typing thus musing making it four big mailings in less than a month. My wife suggested that I open an Islamic fundamentalist reading room.


Another station that seems to have developed an interest in hearing from listeners is Libya. Recent reports have been responded to and I have received follow up correspondence with schedule and report forms encouraging more reception reports. Also, Portugal seems to be pretty neat with nice packages of goodies and letters asking for further correspondence and they don't broadcast in English. Clearly, not all shortwave broadcasters are negative about listeners writing in without a complex, comprehensive analysis of the station's programs.

Interesting news from the governing listening associations continues. Last month we learned from Harold Cones of the closing of the Association of North American Radio Clubs ("ANARC") after 40+ years of operation. This month we learn that the European DX Council ("EDXC") has changed its structure to allow individuals to become members of the EDXC in addition to the current member clubs. This had been proposed many times in ANARC's checkered past without traction from the member clubs. The primary problem with that thought process in North America was that ANARC would eventually only become another club, not a representative association of clubs as constitutionally chartered, competing with the existing clubs for members. Despite all the talk of what ANARC should do, there really didn't seem to be a mission to accomplish. The small clubs in particular were not fond of the idea of ANARC becoming another club (this problem stemmed back to the days when ANARC produced a slick monthly bulletin that small clubs felt infringed on their domain). Does the EDXC now become "another" club competing with the existing clubs for membership financing? Only time will tell. A big difference between ANARC at its closing and the EDXC is that the major conference in Europe is still an EDXC affair. In North America, The Winter SWL Festival surpassed the old ANARC Conventions a long time ago with the International Radio Club of America, the National Radio Club and the Worldwide TV-FM DX Club each holding annual gatherings plus there are numerous region get-togethers such as the Madison gang's August meeting. It will be interesting to see how the "new" EDXC develops, how popular individual memberships become, and what role will the EDXC play going forward in the radio listening hobby.

Another good batch of QSL returns. I am finding that the Voice of America has become an outstanding verifier of listener reception reports. Not only do they provide full data cards but the enclosures are nice. My Botswana reply had two VOA pens, a calendar and a program guide. In the "good old days" we were lucky to get the QSL card. A couple of nice Chinese replies with China Huayi Broadcasting Company sending a full data card and CPBS - Ge'ermu replying through CRI in Beijing. I never turn down an Indonesian QSL but RRI Makassar would only sign and stamp my prepared card. I have to assume without a ppc there would have been no reply. Although I would have liked to have gotten a reply direct from Kanggye, I will settle for verifying PBS-Kanggye through the Voice of Korea.

73, Rich

WWW Shortwave Listening Guide

Looking for programs to listen to? You can find what programs are on for the current hour or list programs of a desired type on a given day at the **WWW Shortwave Listening Guide** on NASweb. The data is provided by *NASWA Journal* and *Monitoring Times* columnist John Figliozzi, and comes from his book, *The Worldwide Shortwave Listening Guide*. Visit the Guide at <http://www.anarc.org/naswa/swlguide/>. 

Easy Listening

Richard D. Cuff • 42 North 37th Street • Allentown, PA 18104 • rdcuff@mochamail.com

BBC job actions create opportunities for bonus program listening

Perhaps the biggest international broadcasting news of this past month was the May 23rd BBC strike—which curtailed most news services on the BBC's Radio 4, Radio Five Live and World Service offerings. As of the time the June *Journal* gets into your hands, the issues precipitating the strike might not be resolved. If that's the case, strikes might continue. This isn't necessarily bad—in most instances, news programming has been replaced by "encore editions" (translation: reruns) of regular programs. Past editions of *Heritage* and *The Interview* have been among the programs featured.

Podcasting becomes yet another way to hear international broadcasters

Podcasting—the combination of providing downloadable audio in MP3 format via the Internet, coded in a way that enables you to automatically download the audio using a freeware software program—has become quite the Internet buzz lately, fueled by the large storage capacity of Apple's iPod audio player. I am amused by the sudden enthusiasm for the concept, because this really isn't anything that hasn't been doable before. Anyway, Australia's **Radio National**, which originates much of what we hear on **Radio Australia**, has begun a podcasting trial for the following programs that are or have been heard on Radio Australia: *All in the Mind*, *Background Briefing*, *Life Matters*, and *The Science Show*. There's another interesting-looking Radio National program, *The Night Air*, that you might wish to check out. It's an "...ever-changing, 90-minute combination of music, sounds, ideas and stories." If you're into live webcasts, the program airs in two parts—Sundays, 0910 UT and Sundays

1105 UT. The program's webpage, available for on-demand archive listening, is <http://www.abc.net.au/rn/arts/nightair/>.

The BBC is also trialing the concept—the Radio 4 version of *From Our Own Correspondent* is available for podcast at http://news.bbc.co.uk/1/hi/programmes/from_our_own_correspondent/ or <http://tinyurl.com/23pxt>. According to the BBC's podcasting trial page, eventually the World Service *Documentary* and *Go Digital* programs will be available this way.

Podcasting is also on **Radio Netherlands'** "to-do" list, according to Andy Sennitt's Feedback section on the RNW website. Radio Netherlands audio can already be downloaded to your hard disk—if you're on the RNW site, seek out **Listen Online** and then **Weekly Archive**. If you're a Windows user, point at the 'MP3' icon for the program you're interested in, and then right click and select "Save Link As...". You are then saving the audio to your hard disk and can then move it to your MP3 player.

Several items from the *Think Global 2005* project highlighted in last month's column are available via podcast (and regular on-demand listening) at URL <http://www.thinkglobal2005.org>. Turns out Radio Netherlands' *Amsterdam Forum* was one of the programs contributing to the series: *And Justice For Some* was produced jointly with the US NPR program *Justice Talking*. Michelle Ernsting from RNW was on the podium with Margot Adler; audio is available at the Think Global URL as well as from Radio Netherlands.

John Mayson tells me that **Vatican Radio** (<http://www.105live.vaticanradio.org/>) has also begun podcasting, and the **Voice of America** (<http://www.voanews.com/english/Podcasts.cfm>) will also join the podcasting ranks. The VOA's setup right now is pretty much the same as Radio Nether-

lands' in that you can "Save Target" and download the file manually to your hard disk and then move it to an MP3 player. The best news from the VOA is that *Talk To America*—hosted once each month by Kim Elliott—will be among the programs available for later download.

Yes, this "isn't radio", as everyone will say, but it's simply another example of how audio delivery methods and listening alternatives for traditional shortwave broadcasters continue to proliferate.

Other BBC items

This is somewhat of a "spring cleaning" month for the column, because this time of the year is busy both at home and at work.

Other World Service Frequencies

If you're a night owl, NASWAN Alan Johnson has some Western USA suggestions—at 0400, try 7120 kHz; this has been somewhat useful back in Eastern PA as well. At 0500, try 11765 kHz. Both frequencies are from South African transmitters pointing towards the northwest, which explains why they're somewhat useful here in North America. 7120 actually comes on air at 0300; 11765 is on until 0700 from South Africa; the frequency switches to an Ascension transmitter at 0700 for an hour.

Think Global did make it to shortwave Turns out the BBC World Service pre-empted their regular programming at 1800 UT on May 21st for *For Richer, For Poorer: A Global Call-In*, what amounted to a special edition of *Talking Point*. This decision appeared to be made during May, as the schedule change didn't appear until the weekly advance programming e-mail now sent out every Friday by the BBC World Service. If you have access to e-mail—even at a public library somewhere—and you're a fan of the BBC, it's worth your while to subscribe to the weekly e-mail so you can then create your listening calendar for the week ahead. Also, as I mentioned above, Radio Netherlands'

Amsterdam Forum co-produced a program for the series along with NPR's *Justice Talking* program.

June highlights

What does the poet Homer have in common with the BBC TV comedy series *Blackadder*? Actor Tim McInnery, who was "Sir Percy" on this classic series, stars as seafarer Odysseus in a *four-part* adaptation of Homer's epic poem *The Odyssey* beginning Saturday June 4th in the *Play of the Week*. *The Odyssey* is considered the second work of Western literature, on the heels of Homer's *The Iliad*. The month is rounded out with *Mia and Maia*, a work by award-winning playwright Charlotte Jones about two conjoined twins who want to be separated as they approach their 21st birthday. The Public Radio Fan website on *Play of the Week* is <http://www.publicradiofan.com/cgi-bin/program.pl?programid=631>.

While the USA creates new broadcast formats targeting the Arab world, the BBC World Service creates new programming educating the rest of the world on the Arab world. *Breaking The Silence* is a two-part series beginning Monday, June 6th that explores Saudis who are stepping out from decades of silence, challenging the extremism that has long dominated Saudi society. Reporter Bill Law crisscrossed the country talking to Saudis from all walks of life, talking to people who are working to promote change from within—the only way change will be accepted in Saudi society. *Breaking The Silence* occupies the Documentary 1 time slot; try the Americas Tuesdays beginning June 7th at 0006, along with the following Sundays, 2306, both on 5975 kHz. Also Europe 1806 and West Africa Sundays 2206. The relevant Public Radio Fan website is <http://www.publicradiofan.com/cgi-bin/program.pl?programid=708>.

Heart & Soul launches a new four-part series in June that looks interesting: *Faith in the New Age* asks why established, institutional religions are failing to address spiritual need and why secularism isn't enough. The series also examines the key tenets of new age thinking and how they

relate to world faith. The program observes that growing numbers of people around the world are turning away from established religion but they have not necessarily rejected spirituality. In fact, the need for a spiritual dimension in life may be more pressing than ever before. Try Europe 1445 (15485 kHz) and 1945 Wednesdays beginning June 8th, also West Africa 2245 (15400 kHz) on Wednesdays. Also check out <http://www.publicradiofan.com/cgi-bin/program.pl?programid=713>.

NASCAR gets the World Service treatment in *Sports International* on Thursday June 9th. It will be interesting to hear how the BBC is able to capture the unique appeal of NASCAR to an audience more familiar with Formula One style racing. Try Europe 1432 (15485 kHz) and West Africa 2232 (15400 kHz) on Thursday, June 9th. Other *Sports International* topics include a two-part series on bidding for large sports events such as the Olympics. Delegates from the five cities competing for the 2012 Olympics (New York, London, Paris, Madrid and Moscow) are interviewed. Program page at *Public Radio Fan*: <http://www.publicradiofan.com/cgi-bin/program.pl?programid=701>.

One Planet airs a two-part series on rats, called the world's number one four-legged killer by the World Health Organization, yet considered one of the most remarkable and intelligent creatures (right behind the dixer). Mankind has an interesting love/hate relationship with the creatures, and this is also part of the analysis. Join Mark Lewis for the series beginning Thursdays June 9th. Try Europe 1406 (15485 kHz) and 1906, plus Africa 2206 (15400 kHz). A four-part Development Special, "From Africa to Afghanistan", begins on Thursday, June 23rd. The role of NGOs in Afghanistan, AIDS and anti-retroviral drugs, and Rwanda after the genocide are featured in this four-part series. Check out additional webcast / satellite audio times at <http://www.publicradiofan.com/cgi-bin/program.pl?programid=702>.

Africa is the only continent that has grown poorer in the past 25 years, according to

presenter Colin Blane, based on his research for a three-part documentary series entitled *Agenda For Africa* beginning Monday, June 20th. HIV/AIDS has reduced the average African lifespan by 20 years since the *Live Aid* concert of 1985. In 2004 British PM Tony Blair created the *Commission For Africa* including leading figures from the G8 countries and Africa. The commission has been investigating six major issues and will report back to the G8 summit in July. Try the Americas Tuesdays beginning June 21st at 0006, along with the following Sundays, 2306, both on 5975 kHz. Also Europe 1806 and West Africa Sundays 2206. Also check out <http://www.publicradiofan.com/cgi-bin/program.pl?programid=708> for other webcast airtimes.

The monthly series *World Book Club* continues beginning June 27th with distinguished Latin American author Carlos Fuentes discussing his 1962 novel *The Death of Artemio Cruz*. In monthly sessions chaired by Harriett Gilbert, Book Club authors talk about the chosen work, give a reading from it, then throw themselves open to questions and feedback from a studio audience and letters, phone calls and e-mails from readers worldwide. Try Europe 1432 (15485 kHz) and West Africa 2232 (15400 kHz) on Monday June 27th. Check out Kevin Kelly's page on the program at <http://www.publicradiofan.com/cgi-bin/program.pl?programid=2746>.

Summertime in Canada...

...means changes in some of the programming you'll hear, especially on the North Quebec service weekends on 9625 kHz. Best way to track any changes is to visit the **CBC Radio One** schedule website, checking out the Saturday morning schedule. For example, Saturdays 1530 brings the *CBC Festival of Funny*, comedy recorded at the Winnipeg and Halifax comedy festivals.

If I recall, *As It Happens* is often shortened in the summer, with repeat interviews from *The Current* or *Sounds Like Canada* airing instead. This would affect the RCI evening

programming schedule targeting North America.

It comes perhaps as no surprise that we Americans are often more complimentary of CBC programming than Canadians are, especially for some of the newer weekday morning series. One program that seems to get consistently high marks is *The World This Weekend*, the weekend version of the *World At Six* news roundup program. The weekend version gets praised for incorporating more investigative documentary features into each program. *The World This Weekend* airs to North America via shortwave Sundays and Mondays at 0000 UTC. Given how spotty shortwave frequency selection for RCI has been, you may be better off catching the various live or on-demand webcasts available for the series. Kevin Kelly's webpage for the program is <http://www.publicradiofan.com/cgi-bin/program.pl?programid=45>. The CBC's website for the program is <http://www.cbc.ca/worldthisweekend/>.

While many were not sorry to see Michael Enright relegated to *Sunday Edition* from a more visible role at the CBC, others now find his interviewing and commentary style to be much better than before. *Sunday Edition* remains a highly recommended three-hour magazine program that has become as much a tradition to shortwave listeners as it has to Canadians. Shortwave frequencies for *Sunday Edition* include 9515, 13655 and 17800. Sirius satellite radio airs *Sunday Edition* from 1300 to 1600 and again from 1600 to 1900 on its **PRI World** channel.

Radio Australia "Don't Miss" suggestions

Spurred on by John Figliozzi's regular postings regarding **Radio Australia** programming, here is a sampling of particularly interesting series airing on Radio Australia and likely to propagate well to North America.

Verbatim, Saturdays, 1035: This series is "...the story of the 20th century through

the voices of ordinary Australians." While many of the subjects are of primary interest to Australians, there are often Aussie perspectives to world events for which the American view of history carries a different twist. Several recent views have focused on the experiences of Australians during World War II. The ABC webpage for *Verbatim* is <http://www.abc.net.au/rn/history/verbatim/>; the Public Radio Fan webpage is <http://www.publicradiofan.com/cgi-bin/program.pl?programid=802>.

Sunday Profile, Sundays 1230, is a series originating on ABC Local Radio. *Sunday Profile* offers an in-depth analysis of the major news in Australia and around the world, talking to the people in the news about the news—the decision makers and agenda setters, politicians and business leaders—about the issues driving the news agenda. *Sunday Profile* is one of the programs in the ABC's podcasting trial; on-demand audio is also available, with each story available separately. Not all subjects are hard news—a recent edition was given over to singer Kylie Minogue and how the news media handled the reporting of her health issues. The ABC website for *Sunday Profile* is <http://www.abc.net.au/sundayprofile/>; Kevin Kelly's information page is <http://www.publicradiofan.com/cgi-bin/program.pl?programid=2689>.

Encounter, Sundays 1305, is a highly-acclaimed series that explores the connections between religion and life. A recent edition explored whether Shakespeare was Catholic or Protestant, and how pagan influences might have shaped his education. The Radio National webpage for the series is <http://www.abc.net.au/rn/relig/enc/default.htm>, and Kevin Kelly's page is <http://www.publicradiofan.com/cgi-bin/program.pl?programid=782>.

I hope the summer brings you pleasant times and good listening—take that portable radio with you on your vacations, and tell me what you've been listening to so I can pass it along here!

Until next month, 73 DE Richard



Shortwave Center

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Welcome

Welcome to Shortwave Center. This month for your reading pleasure, we have reports by Rich D'Angelo and Jeff White on a recent DRM digital shortwave meeting in our nation's capital. We close with a second installment in our new monthly VOA Watch section.

This month we even have a new masthead with all the information you need to contact Shortwave Center with your contribution to this monthly conversation. Enjoy—but remember: we need you to share your expertise to keep the Shortwave Center rolling.

DRM in the Nation's Capital

By Richard A. D'Angelo

On 5 May 2005 (Cinco de Mayo no less for you party types), Ralph Brandi, Tracy Woods and myself were invited by Jeff White of the National Association of Shortwave Broadcasters (NASB) to attend their scheduled meeting on Digital Radio Mondiale (DRM) in Washington, DC. Ulis Fleming and Jeff had been in contact about involving members of the shortwave listening hobby community with the introduction of DRM in North America. It was through the efforts of Ulis and Jeff that the invitations came for us to go to Washington. When our nation's capital calls, NASWA responds. Ulis couldn't make the Washington trip having opted to keep peaceful family relations by visiting the relatives in Costa Rica. Travel to warm weather and beautiful beaches of this Central American country was a difficult assignment but Ulis was up to the task! Meanwhile the rest of us descended on the nation's capital for a very interesting day getting educated about DRM, meeting many of the key players, hearing the many implementation issues and learning the status of introduc-

ing DRM as a viable method of shortwave broadcasting in Europe, North America and around the world.

Background

DRM emerged from an informal meeting in Paris, in September 1996, between some of the large international broadcasters and broadcasting equipment manufacturers. These included representatives from Radio France Internationale, TéléDiffusion de France, Deutsche Welle, Voice of America, and Thomcast. During this gathering, a consensus emerged that unless something



Figure 1: Don Messer, Chairman of DRM Technical Committee, providing an update. Jeff White is seated to the far right.

was done, the days of national and international broadcasting in the AM bands below 30 MHz were limited. As shortwave listeners we have seen the number of broadcasters transmitting to North America slowly dwindling in recent years. In November of that year, a more extensive meeting took place and was attended by a wider group of interests, including national and international terrestrial AM broadcasters and network operators, academics, research centers, transmitter and receiver manufacturers, and organizations undertaking development of digital AM-band technology. The meeting agreed that a group needed to be established whose task would be to define the structure for a formal organization to be called Digital Radio Mondiale or DRM for short. The organization would be formed of broadcasters, communications systems developers and the electronic manufacturing sectors. The main objectives of group would be to formulate a digital AM system design, which could serve as a single, tested, non-proprietary, evolutionary world standard, which would be market driven and consumer oriented; to facilitate the spread of AM digital technology around the world.

The DRM Consortium formed in 1998 when a small group of pioneering broadcasters and manufacturers joined forces to create a universal, digital system (also called DRM) for the AM broadcasting bands (short-wave, medium-wave and long-wave) below 30 MHz. DRM has expanded into an international consortium of more than 80 broadcasters, manufacturers, network operators, research institutions, broadcasting unions and regulatory bodies. Its membership is global in scope, with members representing more than 25 countries. DRM is the place where engineers from cutting-edge global manufacturing firms work in tandem with the world's best known media organizations. There is a considerable amount of talent tackling the DRM issues and the future of shortwave broadcasting could very well depend on the outcome of this process. There is a comprehensive website (<http://www.drm.org>) for news, information and technical updates. The website provides for an opportunity to sample DRM audio and an interesting Broadcasters Users Manual.

DRM is a non-proprietary system. It covers the broadcasting bands below 30 MHz, however, the consortium recently voted to begin the process of extending the system into the broadcasting bands up to 120 MHz. DRM offers the promise of revitalizing shortwave radio with clear, FM-like audio quality, free from static, fading and interference. More than 70 broadcasters, including international, national, local, commercial and public broadcasters, have launched DRM transmissions worldwide. There are some limited DRM broadcasts available in the United States. The European launch of commercial DRM is anticipated for later this year.

National Association of Shortwave Broadcasters

Who or what is the NASB? An interesting question since I suspect many people are not familiar with the organization, I'll take a moment to briefly describe the group.

Prior to 1982, there were just four privately licensed shortwave stations in the United States, WYFR, KGEI, WINB and KTWR. The Federal Communications Commission (FCC) did not issue shortwave broadcast licenses for many years. Finally in 1982, citing Public Law 80-402, Joe Costello of WRNO Worldwide became the first privately owned shortwave station to be licensed in many years. By 1989, the number had grown to 16 stations.

On 12 September 1989, several key figures in the private sector of the United States International Shortwave Broadcast community met in New Orleans at Radio'89. The purpose of this meeting was to explore the formation of a national organization to represent the interests of FCC licensed international broadcasters. The participants in the initial Radio'89 meeting decided to go forward with the formation of a national association. Articles of Incorporation were filed in Washington DC a few months later on 1 February 1990. The first meeting of the Board of Directors of the National Association of Shortwave Broadcasters was held by telephone conference call on 12 February 1990 to officially organize the association as a District of Columbia, Non Profit Corporation.

Each year, the NASB holds its Annual Meeting in the early part of the year. This year it was held on May 6th in Washington, DC the day after the DRM gathering. This meeting has been widely attended by FCC licensed shortwave broadcasters, FCC personnel, VOA, RFE/RL personnel, consultants, other international broadcasters from around the world as well as many shortwave manufacturer's representative.

The US DRM Group

The NASB planned two days of meetings which we were invited to attend. The first day was devoted to DRM issues organized by the US DRM Group with Jeff White as its Chairman. The second day was the NASB annual meeting. I was not available to attend the NASB but was able to participate in the DRM session.



Figure 2: Our Ralph Brandi (far right next to the wall) providing valuable user experience based on receiving European based DRM transmissions in New Jersey.

The meeting was held at Radio Free Asia's (RFA) facilities on M Street in Washington, DC hosted by Hal Creech of RFA who coordinated the use of the conference room for both meetings. With my son recently moving to the Georgetown area, this gave me an excuse to visit with him and enjoy an opportunity to learn more about DRM development particularly as things begin to move forward in North America.

The day began with a brief tour of Radio Free Asia's facilities. Introductions and some initial presentations and discussions were held before lunch. After lunch there were reviews of previous DRM meetings by some of the key people involved in these matters: Adil Mina from Continental Electronics, Darko Cvjetko of RIZ Transmitters, Don Messer who is Chairman of the DRM Technical Committee, and Jeff White. A report from Mike Adams, Chairman of US DRM's International Broadcasters Committee was read. Kim Elliott provided a review of experience obtained from DRM demonstrations at the Winter SWL Festival. A key item that should interest shortwave listeners is the formation of a US DRM Listeners Committee to get comments and feedback from the SWL community. I think this is an important step in getting the shortwave listener engaged in the process. Ultimately, it will be the listener that will determine if DRM will be successful or

not. More information about this should be forthcoming in the course of the next few months.

One of the more interesting aspects of DRM was introduced during a February HFCC-ASBU Conference sponsored by the NASB in Mexico City. Test transmissions were successfully conducted in the 26 MHz frequency range using DRM technology. Harris Corporation installed a DRM modulator board in a Harris DX50 transmitter and RIZ installed a 200 watt shortwave DRM transmitter system on 25,620 kHz. The thought process considers it possible, even desirable, to introduce large scale regional shortwave

broadcasting using DRM technology in the 26 MHz frequency range, mainly for public radio operations. An interesting concept but one that will need much broader radio listener appeal to attract significantly greater audiences than exist today on shortwave. It will be interesting to see if DRM technology makes these types of transmissions possible. However, will an audience develop in response to this technology? It's a pretty exciting concept. Now we will have to wait and see how it plays out.

Although one of the main action items was to get one or more long-term DRM tests on the air from a United States based shortwave station, no such commitments were made. However, I would expect this to be a continuing issue over the next few months. With the FCC issuing revised rules permitting DRM on shortwave in the United States, additional efforts will be made to get stations on the air with regular long-term DRM transmissions.

The new US DRM website (www.usdrm.com) was discussed. There was discussion about expanding the content and making this a valuable resource site for those interested in DRM activities. Currently, there are a handful of interesting reports from other DRM meetings that provide some interesting updates and background information. Equipment manufacturer, Continental Electronics, hosts the site.

Probably the most exciting piece of intelligence from the meeting was the news that at the IFA 2005 Exhibition in Berlin, Germany to be held from 1-7 September 2005, two or more portable DRM receivers should be displayed for the first time. It is anticipated that these DRM receivers should be available for sale for the Christmas shopping season in Europe in about the \$150.00 to \$200.00 price range. How long it will take for these DRM receivers to make it to North America is unknown at this time. However, clever radio listeners have always found a way to get the latest communications gear no matter where it was being sold. To date, you had to have special software and go through an elaborate process to attempt to hear DRM transmissions. This should be a

major first step in making DRM user friendly both in terms of operation, or tuning in a signal, and cost.

The Future

The availability of portable DRM receivers is an important next step in the evolution of this new technology. Quality receivers at reasonable prices will help move non-technical shortwave listeners into the DRM listening mode, which is what the broadcasters are seeking. Things are beginning to get interesting as the technology moves out of the closet and into the public arena with the availability of portable DRM receivers in a few months.

Successful DRM experiments in Europe has the US DRM Group excited and ready to duplicate that success in North America. As I mentioned previously, it is hoped that one or more NASB members will introduce the technology through tests in the near future from a United States based transmitter. Currently, the Voice of the NASB operates DRM test transmissions through Radio Canada International's facilities in Sackville. The organization is seeking to get more DRM transmitters on the air to expand the program content available to listeners.

In an ongoing cooperative effort, NASWA has offered the pages of the Journal to the US DRM Group for publishing periodic progress reports about DRM program development in North America. This should help keep NASWA members up-to-date on the latest developments in the DRM field. Cooperation between the US DRM Group and radio hobbyists is seen as an essential ingredient by Jeff White and Mike Adams in moving DRM technology out of the technical shadows and into the public listening spotlight. With that in mind and based on Jeff White's encouragement to the transmitter manufacturers, I would expect the DRM technical experts to be available in Kulpville at next year's Winter SWL Festival to educate shortwave listeners about this new technology. Without a growing listener base, DRM is going nowhere. Therefore, education and information coupled with reasonably priced

portable DRM receivers capable of receiving high quality signals and good program content will be the key factors to DRM the

technology and its future success in North America.

Stay tuned!

Report on 2005 USA DRM Group Meeting

by Jeff White

May 5, 2005

Radio Free Asia-Washington, DC

(Editor's note: this is the official report from the USA DRM group meeting attended by three NASWA members. As part of the outreach from the group to the shortwave listening community, NASWA is happy to bring this report to you.)

After conducting a tour of Radio Free Asia for those who had never been there before, Hal Creech welcomed everyone to RFA, and explained that the fact that this meeting is being held at RFA in no way implies that RFA or the U.S. Government endorse DRM.

Jeff White, USA DRM Chairman, explained that he had laryngitis, so others—including Don Messer—would be helping him conduct the meeting today.

Don Messer noted that some journalists may attend this meeting, and he asked for their cooperation in not printing confidential information, so as to promote the freest possible discussion and interchange among participants. There were a total of about 25 persons in attendance.

Recent DRM Developments

Don Messer, currently with the IBB and Chairman of DRM's Technical Committee, talked about some very recent developments at DRM. He talked about the plan to conduct tests of DRM in Mexico and Brazil. In Mexico, 26 MHz DRM transmissions will be tested by public broadcasters with about 200 watts, stereo and mono, in both 10 and 20 kHz channels, plus single frequency net-

works. On mediumwave, the private broadcasters will be testing DRM, both simulcasts and independent broadcasts. Brazil is not as far ahead with the testing as Mexico, but in Brazil there will also be tests of traditional shortwave to cover the entire country, either from transmitters inside Brazil or from DRM transmissions from Ecuador, Chile and/or French Guiana. Don explained that medium wave DRM simulcast tests are being conducted in New Zealand, and that in Germany Deutsche Welle has just completed a single frequency network into Germany from two stations in Portugal and Germany, transmitting to Germany on the same frequency.

Success with DRM in Mexico and Brazil could lead to success with DRM in the United States, Don said. He talked about the possibility of using 26 MHz frequencies in the U.S. in DRM mode for local broadcasting (and maybe even sky wave broadcasting) with low power (10 watts to 1 kilowatt) to cover small areas such as universities and towns. This could open up some new possibilities for local radio services where there are presently no frequencies available in the AM and FM bands. Don explained the FCC's recent rules changes which now permit DRM modulation by shortwave stations in the United States that are transmitting abroad. Don said that DRM receivers will be available by the end of 2005. Don explained that the 26 MHz area is basically the 11-meter WARC allocations for international broadcasting, and that this band is not used by the traditional HF broadcasters. There would still be a need to coordinate through the HFCC—but it would be a formality, and the idea is that a local broadcaster would always use the same frequency assignment, much like in the FM band. The FCC would need to approve this concept, but would not be involved

with the HFCC coordination. It was noted that Continental Electronics obtained FCC permission to operate a 26 MHz DRM transmission during a DRM meeting for one week last August, and this was very successful. A similar test was run by RIZ Transmitters in Mexico City during the 2005 HFCC Conference in February.

International Broadcasters Committee Report

Mike Adams, chairman of US DRM's International Broadcasters Committee, was unable to attend this meeting, but he sent the following written report, which was read by Don Messer.

Report for DRM-USA Group International Broadcasters

International broadcasters need to keep a close eye on the roll-out of DRM now as we enter the true commercial launch phase of DRM.

Even if we are concerned about North America, South America, Asia or other markets in the world we need to keep an eye on Europe as this is where it will all start. In September, 2005 we will see the Commercial launch of DRM in Europe and the first truly consumer DRM radio should be out by the end of the year.

One thing that has pushed the receiver development forward has been the number of radio stations on the air. We need to plan seriously and realistically now to get stations on the air in the Americas and Asia as the next continents that have the potential to introduce DRM.

Broadcasts on air in the USA have been from foreign broadcasters up until now. We'd like to thank both Radio Netherlands and Radio Canada Int'l for their broadcasts to North America. RNW is taking a short break to reorganize their DRM infrastructure, so RCI is the only station on the air to the Americas. We were pleased to have HCJB-Ecuador and CVI-Chile as well as TDF from Guyana all on the air for the first time for the DRM symposium in Dallas.

We need to get more stations on the air in the US and to the US! What can your station do?

Rent air time to get started in DRM. There are many stations that can be hired to broadcast DRM into the USA and Canada. Besides RCI, you can also talk to TDF, VT Merlin and RNW when they get back on the air. If you are unsure of your participation in DRM and don't want to invest in equipment, then it makes sense to join together with others in a bouquet like RCI operates.

Arrange an equipment demonstration at your station. Many of the DRM equipment makers are happy to arrange a demonstration at your station to help you get on the air. This is how CVI in Chile got on the air—they borrowed an exciter with an understanding to buy it if they were satisfied. They were one of the new stations that got on the air and were received in Dallas at the symposium. The test was a great success and they have gone on to purchase the equipment.

It is also worth thinking about when DRM will really start in other continents. After Europe we will probably see DRM launch in Asia as well as the Americas. Based on a survey of Broadcasters in Asia there are several who will be prepared to launch in 2006, so I hope we see a start in Asia in 2006. It is up to us if we see a strong push in the Americas in 2005/2006 or not. Let's put our best effort into it and see what happens!

Mike Adams, Far East Broadcasting Co.

May 5, 2005

Gary McAvin of WMLK Radio expressed his opinion that there should be some kind of overall DRM guide which explains to analog shortwave broadcasters the costs and benefits of DRM, and exactly how to go about implementing DRM transmissions. Don Messer and Adil Mina (the latter of Continental Electronics) explained that most of this information can be found in the DRM Broadcasters User Manual (BUM). Adil said that all NASB members should have a copy of

the BUM. It is available for downloading from the DRM Consortium website (www.drm.org), and the DRM office in Germany also has copies available in hard copy or on CD-ROM. Don asked Jeff White to coordinate with Anne Fechner at the DRM office in Germany to make sure that all NASB members who do not currently have copies of the BUM get one.

DRM Demo at Winter SWL Fest 2005

After a pizza and pasta lunch sponsored by Continental Electronics, TCI and Thales, Dr. Kim Andrew Elliott, an audience research analyst at the Voice of America, gave a presentation about his experiences demonstrating DRM reception at the Winter Shortwave Listeners Festival in Kulpsville, Pennsylvania. He said that different receivers have been used over the last three years at the Fest. This year they bought a Ten Tec RX-320D for the demonstration, then raffled it off at the end of the event.

The Ten Tec must be used in conjunction with a PC, and Kim noted candidly that it can be quite complicated to get all of the equipment to work properly at these demonstrations. Perhaps because of propagation conditions, the only DRM signal that they were able to receive was from Sackville, Canada, where they did hear the TDP Radio program on Saturday, followed by the Voice of the NASB with a broadcast of HCJB's *DX Party Line* which contained special greetings to the Winterfest participants.

Next year Kim hopes to be able to demonstrate the new self-contained DRM receivers (i.e. those which don't need to be connected to a PC), and they hope that more DRM broadcasters will be willing to do special transmissions for the Fest during daylight hours. Kim said that complete details about the 2006 Winter SWL Fest will be available at the website www.swlfest.com. He said that Mark Fine's website (www.fineware-sw.com) has lots of good tips for listening to DRM, and his own website (www.kimandrewelliott.com) includes general news and developments related to DRM.

Some general discussion, questions and answers followed. Don Messer said that the target price for the two to four new models of DRM receivers that should be available by December of this year is 100-150 euros. He said that some large companies are currently interested in developing DRM receivers, but he said that small manufacturers may indeed get DRM off the ground. Adil Mina of Continental Electronics said that Texas Instruments is developing a DRM chipset, but they are reluctant to give out any information about it at the moment due to competition. There are indications from the mobile telephone industry that they are looking into DRM radio in cell phones.

Adil said that DRM has not been promoted much in the United States until now; the main promotion has been in other parts of the world. "We know that receivers are a key issue," he said. He said that the United States will be using another digital system, IBOC, on FM for sure. Adil said that "Shortwave will die without DRM. Analog shortwave transmitter sales are way down. DRM is a savior for shortwave." He went on to say that DRM will give current U.S. shortwave stations tremendous benefits. "There are groups interested in broadcasting on shortwave to the U.S.," he pointed out. He mentioned a plan by Ron Wilensky of TCI antennas that would permit a station to cover all of the United States in DRM with just five shortwave transmitters.

On the other hand, Graham Mytton of VT Merlin Communications voiced the opinion that we will have to continue with analog shortwave broadcasting for a long time to come.

Ralph Brandi was one of three well-known shortwave listeners and leaders of the NASWA (North American Shortwave Association) club who attended the meeting. He explained that at his location in New Jersey, he has not been able to get good DRM shortwave reception from overseas stations—just from Radio Canada's site in Sackville. Adil Mina said he would organize some DRM tests especially for NASWA from overseas sites such as Kuwait.

Walt Ireland of the American Radio Relay League mentioned that his group is conducting DRM tests for digital amateur radio transmissions at its laboratory in California. Charlie Jacobson of HCJB said that low-power DRM could work with the amateur community on further tests.

26 MHz DRM Tests in Croatia

Darko Cvjetko of RIZ Transmitters in Croatia gave a very interesting PowerPoint presentation about his company's DRM equipment and especially about a series of tests they are doing on 26 MHz in Zagreb, the Croatian capital. The exact frequency is 25.8 MHz, using a maximum of 200 watts of DRM power. The antenna is located on a mountain 610 meters above sea level and about 410 meters above the city of Zagreb. The transmitter is all in one 19-inch rack, which is 1.8 meters high. The antenna is a three-element yagi with vertical polarization.

The preliminary conclusions of the tests are that the entire city of Zagreb can be covered with 45 dB or more of field strength—most of it with 50-60 dB—using 100 watts of power and a 10 or 20 kHz bandwidth with this high antenna position.

Adil Mina of Continental said that it was very easy to get the 26 MHz permit for the short-term DRM transmissions from Dallas last November, but we need to be careful about the way of going about asking for permanent licenses for such transmissions from the FCC.

Graham Mytton pointed out that DRM removes the distinction between domestic and international broadcasting. "So," he asked, "won't shortwave become commercially attractive, and couldn't there be a lot of competition for frequencies?"

Adil Mina answered Graham Mytton's question by saying that "Yes, commercial concerns are interested in shortwave. They read *Radio World* magazine. When receivers become available, then it will be really serious."

Don Messer said that Ron Wilensky's idea of covering the U.S. on shortwave below 26 MHz could cause a need for changes in shortwave regulations, referring to current U.S. restrictions on domestic shortwave broadcasting.

Gary McAvin asked if power consumption will be less with DRM than with current analog shortwave transmissions. Don Messer said that the ITU recommends using 7 dB less power than for an equivalent analog broadcast, which means roughly one-fifth the amount of power. He said that a DRM transmission using one-fifth the power of a current analog transmission should have a signal that is at least as good as the analog coverage. Don said it was his understanding that existing U.S. shortwave stations could now use DRM modulation for international broadcasting simply by notifying the FCC that these transmissions will be in DRM mode, with no need for new licensing requirements. Roger Stubbe of HCJB asked what the official nomenclature is for DRM modulation type. No one present knew for sure.

Tracy Wood, another of the NASWA representatives, asked if there has been any consideration given to establishing separate parts of the band spectrum for DRM transmissions. Don Messer said that there is no such separation contemplated in the ITU regulations, and he fought hard against it, since it will be to our detriment in the long run.

Adil Mina mentioned that BPL (Broadband over Power Lines) was approved last week by the Texas legislature, and he expressed a concern that this could cause serious interference to shortwave transmissions in general, and DRM transmissions in particular. Tracy Wood says that his study of the system has led him to the conclusion that BPL will not be economically viable in the long run. It has caused a lot of fear among shortwave listeners and broadcasters, but he doesn't think it will be used much.

In response to a question about the cost of DRM excitors, Adil Mina said that for small private shortwave broadcasters, the best thing may be to "Let the rich boys [includ-

ing governments] buy the excitors now. The price will come down shortly."

Mike Adams had proposed a DX contest for DRM listeners in North America, to try to hear as many DRM transmission sites as possible. Rich D'Angelo of NASWA said that he thought there would be interest in such a contest, and Jeff White promised to put him in contact with Mike Adams to arrange the details. Rich also said that they would be willing to include a regular or irregular DRM Report in the NASWA club bulletin, which Ralph Brandi coordinates. Someone pointed out that in the statistics on sales of the Merlin DRM software, the number one country for sales was Germany, and the United States was number 2, with a few hundred or so sold. So there should be a

fair number of DRM listeners in the United States. It was pointed out that a free version of the Dream DRM software is available at drm.sourceforge.net.

Tracy Wood indicated that he would be willing to work as a point person for coordination between the US DRM Group and the US shortwave listening community. Jeff White suggested that the *NASB Newsletter*, which contains a lot of material from US DRM, could be sent by e-mail to interested DXers in North America.

Please note: Darko Cvjetko's complete PowerPoint presentation about RIZ Transmitters and their 26 MHz DRM tests in Zagreb can be found at the NASB website (www.shortwave.org).

VOA Watch: This is the VOA in Hong Kong

by John Figliozzi

On April 11, the Voice of America's Director David Jackson made an announcement that on it's face would appear to simply reflect new realities in a globalized, 24 hour business world. He announced that, for seven hours a day—midnight to 7 a.m. Washington time—primary news operations are to be transferred to Hong Kong.

A statement from the VOA's Office of External Affairs described the move as a step to expand the VOA's presence in Asia, stating the obvious point that the region is an increasingly important one for the broadcaster. "We believe that the move will position VOA to offer better and faster-reacting coverage of news from Hong Kong, and the rest of East Asia. The move will also include adding internet staff in Hong Kong who will enable VOA to update its web presence 24 hours a day, something that is sorely needed."

As announced, the plan is to hire three editors and five writers "as contractors" in Hong Kong to handle the news operation

there. "Stories produced in Hong Kong will be edited by full time staff currently based there and also overseen and vetted by their counterparts who will remain on the midnight shift in Washington", where final editorial responsibility will remain.

The statement stresses that the VOA's brand new new state of the art multimedia newsroom in Washington "is not exactly going dark" during those overnight hours, though the employees previously assigned there for news operations during that time will be moved to other day and evening shifts.

It's also pointed out that the VOA has long had a bureau in Hong Kong, a city that "has a skilled local English-speaking workforce of journalists" and, like other broadcasters, has used foreign stringers around the world for many years. "Although this shift will result in a small savings, that is not the main point of the move. It is rather to extend and enhance our presence in Asia, assure quality coverage during Washington's overnight hours, and achieve true 24-hour web coverage," the statement concludes.

So, What Could Be Wrong Here?

Maybe nothing; but, on the other hand, maybe there are grounds for suspicion. For one thing, prominent and trusted individuals like Alan Heil, a former VOA deputy director and author of "The Voice of America, A History", and Sanford Unger, who recently served as VOA Director after a career in public and commercial broadcasting, are expressing misgivings.

For another, since 1999 the U.S. Broadcasting Board of Governors, which oversees VOA, has cut the number of its worldwide shortwave frequencies in English from 354 to 52. VOA English broadcasts can no longer be heard in Latin America or Europe (East and West) and are barely audible in the Middle East. And staff of the BBC have gone on record as stating the rather incredible opinion that English, the universal language of trade and commerce, is now largely irrelevant to U.S. international broadcasting and public diplomacy interests.

It is that last point that Unger highlighted as particularly misguided in an interview on NPR's All Things Considered on April 16. VOA has reduced availability of its news and other fare in English to only 16 hours a day at the same time as broadcasters like the BBC, DW and China Radio International are offering around-the-clock coverage.

Heil cites recent history warning that relocating VOA central news operations in what remains, after all, the Peoples' Republic of China (PRC) for nearly a third of each day poses significant risks. In the event of another Tiananmen uprising or a Beijing assault on Taiwan, the Chinese regime could shut down in a flash VOA's worldwide news service—which still serves around 100 million listeners weekly and hundreds of FM and TV affiliates around the world—either by cutting communications or by expelling staff. In June 1989, the China expelled two VOA Beijing correspondents after the Tiananmen massacre and—to this day—China vigorously jams VOA broadcasts into China. In that light, this hardly seems a prudent move especially without some robust back-up plans in place.


As an isolated event, this move probably would not merit more than routine scrutiny. However, when seen in the context of a series of actions taken by the BBG over the last five years or so, the proposed outsourcing of news services to PRC-based contractors appears to be the latest in a series of measures aimed at dismantling the VOA and its global reach. It further calls into question the commitment of the BBG to the journalistic principles enunciated in the VOA Charter, which carry the force of law; but which do not legally apply to the growing panoply of surrogate broadcasters overseen by the BBG.

That suspicion is reinforced when the VOA Office of External Affairs cites the unpopularity of the overnight shift with staff, the obstacle that an overnight shift presents to recruitment efforts and the already-in-place communications connectivity between Washington and Hong Kong as further supporting rationale. As true as these points might be, they hardly serve as convincing arguments for virtually shutting down VOA's central newsroom for seven hours a day. Neither does redirected cost savings of \$300,000 in a \$168 million budget.

Why Should You Care?

Well, you pay the taxes and these moves are all being made in your name. You're a shortwave listener, probably more aware of international affairs and the role of broadcasting in it, and uniquely placed to offer informed perspective on the subject. The VOA is your international broadcaster and the only one strictly governed under force of law by principles for which some of your relatives and friends literally have fought and—in some cases—died. Things like truth, accuracy and objectivity in journalism.

Isn't it time your voice was heard—in online listener forums, in Washington by your senators and congressional representative, to the BBG via the comments section of their web site, wherever people are talking shortwave—about all this?

[This article is part of a larger article by the author that first appeared in the June 2005 issue of *Monitoring Times*.] 

Kim's Column

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So what's this, then? I've been a NASWA member for about 40 years, and finally I'm doing something for the club with this new column. This page will be devoted to news, analysis, commentary, gossip, and innuendo about international broadcasting and public diplomacy.

I will refer to several articles and documents but won't try to put the ungainly URLs here. Instead, find this column with links at this super-secret-URL only for NASWA members: www.kimandrewelliott.com/myfirst.html.

International broadcasting versus public diplomacy. Speaking of international broadcasting and public diplomacy, there is much confusion in the United States about these two activities. Especially confused are the experts on international broadcasting and public diplomacy who write on the op-ed pages and for think tanks.

In March, when Karen Hughes was nominated to be the next Under Secretary of State for Public Diplomacy, a slew of articles and papers with advice for her issued forth. Many of these included recommendations about U.S. international broadcasting. But Ms. Hughes will, or should, have little to do with international broadcasting (VOA, RFE/RL, etc.), which was separated from the U.S. public diplomacy bureaucracy, and placed under the Broadcasting Board of Governors, by the International Broadcasting Act of 1994 and the Foreign Affairs Reform and Restructuring Act of 1998.

Public diplomacy is advocacy, international public relations, or, if you will, propaganda. International broadcasting is essentially in the news business. To be sure, NASWA

members are familiar with propaganda on international radio stations. But *successful* international broadcasting provides an antidote to propaganda of the state controlled domestic media that still exists in many countries. Public diplomacy and international broadcasting are both important activities, but they are complementary, and best conducted by separate agencies, in separate buildings, preferably in separate cities. (More about this in my [analysis](#) at kimandrewelliott.com.)

The people trying to create a [museum](#) at the Voice of America Park located at the old Bethany (Ohio) transmitter site certainly understand the concept: they were selling t-shirts imprinted with the words "Tell the Truth, and Let the World Decide."

Under the looking glass. Two major articles examine recent developments at the Voice of America. In "[Pitch Imperfect](#)," *Foreign Policy*, May/June 2005, Sandy Ungar, former VOA director and now president of Goucher College, laments the loss of VOA's Arabic Service to Radio Sawa, and the reassignment of former VOA news director Andre Denesnera. Similar material is covered by Corey Pein in "[The New Wave](#)," *Columbia Journalism Review*, May June 2005.

U.S. international broadcasting and public diplomacy to the Muslim world are the subject of David Kaplan's extensive "[Hearts, Minds, and Dollars](#)," *U.S. News*, 25 April. See also Kelley Beaucar Vlahosand's, "[Tough Challenge Trying to Win Over Arab World](#)," *Fox News*, 16 May.

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



Listener's Notebook

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Many thanks to the *World Radio TV Handbook* for publishing an extensive list of summer HF schedules and making that list available online for no charge. This makes my job this month so much easier I may just send them a bottle of champagne! Details on how to access this file are at the end of this month's column. —Al Q.

ARMENIA Public Radio of Armenia / Voice of Armenia

1500-1530	Armenian	11930 ERV
1715-1745	Armenian	9775 ERV
1745-1805	French	9775 ERV
1805-1825	German	9775 ERV
1825-1845	English	9775 ERV

(Observer-BUL)

D100kW		
0000-0200	English	17715
0200-0500	English	21725
0500-0800	English	15160
0800-1400	English	9580
1400-1700	English	7240
1700-2000	English	9580
2000-2200	English	11660
2200-2400	English	21740

AUSTRALIA A05 schedule Radio Australia

Shepparton A 100kW

0000-0030	Indonesian	15415
0030-0400	English	15415
0400-0430	Indonesian	15415
0430-0500	English	15415
0500-0530	Indonesian	15415
0530-0800	English	15415
0800-0830	Indonesian	15415 Mo-Fr, En Sa/Su
0830-0900	English	15415
0900-0930	Indonesian	15415 Mo-Fr, En Sa/Su
0930-1100	English	15415
1100-1300	English	9475
1300-1430	Chinese	9475
1430-1900	English	9475
1900-2100	English	9500
2130-1100	English	15415
2130-2330	Indonesian	15415
2330-2400	English	15415

B100kW

0900-1300	English	11880
1300-1430	Chinese	11660
1430-1700	English	11660
1700-2100	English	11880
2100-2130	English	11695
2130-2330	Indonesian	11695
2330-0900	English	17750

C100kW

0200-0700	English	15515
0700-0900	English	13630
0900-1100	Tok Pisin	6020
1200-1400	English	6020
1400-1800	English	5995
1800-2000	English	7240
2000-2100	Tok Pisin	7240 Mo-Fr, En Sa/Su
2100-2300	English	15515
2300-0200	English	17795

E100kW

0800-0900	English	9710
0900-1100	Tok Pisin	9710
1100-1400	English	9560
1400-1800	English	6080
1800-2000	English	6080
2000-2100	Tok Pisin	6080 Mo-Fr, En Sa/Su
2100-2300	English	13630
2300-0800	English	13630

F100kW

0000-0800	English	15240
0800-1600	English	9590
1600-2000	English	9710
2000-2200	English	11650
2200-2400	English	15230

Brandon G 10kW

0800-1400	English	5995
0900-1100	Tok Pisin	5995
2100-0800	English	9660
2200-2300	BBC	9660

J10kW

0900-1100	Tok Pisin	12080
1100-1200	English	12080
2000-2200	English	12080
2200-2300	BBC	12080
2300-0900	English	12080

Darwin (VIL)

0000-0130	English	17775
1400-1600	English	9625
2200-2400	English	13620

Taiwan

0500-0530	Indonesian	11745
0800-0830	Indonesian	11550
0800-1130	English	15240
2200-2330	English	15240

(Re-arranged from RA excel worksheet/Australian DX News/ARDXC)

Further Relays according to VT A05 schedule:

6120	0000-0030	ABC Singapore Indonesian
9720	2300-2330	ABC Singapore Khmer
9770	1330-1400	ABC Rampisham English Sa
11550	0900-0930	ABC Taipei Indonesian
11550	2130-2330	ABC Taipei Indonesian
11920	0500-0530	ABC Singapore Khmer
11920	0530-0600	ABC Singapore Vietnamese
12010	1300-1430	ABC Singapore Mandarin
15110	2330-2400	ABC Taipei Vietnamese
21780	0400-0430	ABC Dhabbaya Indonesian

(Eike Bierwirth, HCDX/Australian DX News/ARDXC)

Engineers begin installing new DRM compatible SW transmitters at Radio Australia's Brandon, Queensland site next week. (David Ricquish, NZ/April 29/Australian DX News/ARDXC)

AUSTRIA (non) Updated schedule for DRM transmissions via Moosbrunn:

0500-0900	<i>Virgin Radio</i>	9720 MOS
0900-1100	<i>Asian Sound</i>	11815 MOS
1100-1300	<i>Classic Gold</i>	11815 MOS
1300-1400	<i>Premier R.</i>	11815 MOS
1600-1700	<i>Christian Vision</i>	9705 MOS Su
1700-2100	<i>ORF-1 Int'l</i>	6155 MOS

(Observer-BUL)

BAHRAIN 9133—*Coalition Maritime Forces Radio* on new SW frequency BBC Monitoring has observed Coalition Maritime Forces Radio One on the new shortwave freq of 9133 kHz (upper sideband mode) at 1110 on 1 May 2005, following a tip from Swedish radio hobbyist Jan Edh on Glenn Hauser's "DX Listening Digest" web site.

Programming consisted of Afghan and Arabic mx interspersed with appeals for information about terrorist activities, in Arabic, Dari, English, Pashto and Urdu. After one such appeal relating to Iraqi oil terminals, there was the following annt in English: "Thank you for listening to Coalition Maritime Forces Radio One. We broadcast...[words indistinct] terrorist mariners around the world. Call in to CMF Radio One any time on 6125 kiloHertz SW [shortwave], 9133 kiloHertz SW, or 15500 kiloHertz SW." The announcement continued with contact details, which were as given on the associated "Rewards for Justice" web site at <<http://www.rewardsforjustice.net>>

Although not heard on this occasion, the radio is also believed to broadcast in Hindi and Persian, and sometimes identifies as "Information Radio."

CMF Radio One is operated by the US Navy Maritime Liaison Office (MARLO) headquartered in Bahrain, with the purpose of encouraging listeners to report terrorist activity. It has been on the air since April 2004, using low-powered SW txs installed on ships operating in the Persian Gulf.

According to a statement on the MARLO web site, their mission is to facilitate the exchange of information between the United States Navy and the commercial shipping community in the US Central Command's area of responsibility. MARLO operates as a conduit for information focused on safety of shipping and is committed to assisting the commercial shipping community. The web site is at <<http://www.me.navy.mil/marlo>> (BBCM via RNW MN 1 May, via BrDXC-UK/BC-DX/Bueschel-DE)

BELARUS Summer A-05 for External Service of *Radio Belarus*:

0100-0300	5970 MNS	6170 MNS	7210 MNS
1900-2200	7105 MNS	7280 MNS	7290 MNS

(Observer-BUL)

BELGIUM (non) *VB6015* is a new programme in Dutch transmitted via Julich 6015 (100kW) on Sundays 0900-1100, starting 29 May. It is produced by Flaams Belang, a nationalist political party in Belgium. Website with contact info: www.vlaamsbelang.org. The transmissions are brokered by TDP and are exclusively in DRM. (A-DX mailing list/Bernd Trutenau-LTU/Cumbre DX/Johnson) [Updated sked below under GERMANY]

BOLIVIA 3310 *Radio Mosoj Chaski*, Cotapachi, 2305-0105, May 09 and 15, Quechoa ann, huaynos, talk—heard best in USB due to utility QRM. (Petersen-DK/DSWCI DX-Window)

4409.8 *Radio Eco*, Reyes, 0105-0220, May 10, Spanish ann, ID, pop songs with Andean rhythms (Petersen-DK and Vestesen-FL). Also heard 2310-2322, May 13, Spanish programme with folk songs. (Goncalves-POR/DSWCI DX-Window)

4498.12 *Radio Estambul*, Guayaramerin, Beni, 1003-1023, May 08 and 15, Spanish ann: "6 de la manana con 6 minutos, 6 de la manana con 6 minutos...tenemos las mejores felicitaciones para los 15 anos de..." Strauss's vals. ID as: "compartiendo momentos inolvidables, aqui en Radio Estambul, para que puedas pasar un dia inolvidable...Radio and Television Estambul...que estan junto a nosotros y los saludamos con todo carino en este amanecer..." Song. Ann, ID: "venga para aca...en la Radio Estambul, vengase para aca..."—Another timecheck as: "las 6 de la manana con 20 minutos, las 6 con 20..." 24432 (Slaen-ARG). I have talked by telephone to the owner of Radio Estambul: "Radiocomunicaciones Yamal." A nice conversation with a woman—she told me they soon will be transmitting also on FM and mediumwave. She also told me that they have received many reception reports from other countries. Telephone: +5913 855 4145. (Malm-ECU, May 15 via Conexion Digital/DSWCI DX-Window)

4650.3 *Radio Santa Ana*, Santa Ana del Yacuma, 2309-2319, May 13, Spanish messages. (Goncalves-POR/DSWCI DX-Window)

4684.7 *Radio Paititi*, Guayaramerin, Beni, *1031-1050, May 15, short opening ann by female in Spanish, romantic music, ID: "...en Radio Paititi." More music. (Slaen-ARG/DSWCI DX-Window)

4716.9 *Radio Yura*, Yura, 2239-0110, May 09, 13 and 15, Spanish and Quechoa talks mentioning Yura, Andean flute. (Goncalves-POR and Petersen-DK/DSWCI DX-Window)

4865 *Radio Centenario*, Santa Cruz de la Sierra, 2224-2237, May 13, songs, religious talks. (Goncalves-POR/DSWCI DX-Window)

4900.2, *Radio San Miguel*, 2350, Decent clear signal. No apparent xmtr problems. (Valko-PA/21 May)

5926.8 *Radiodifusora Minería*, Oruro, 2350-0003*, Apr 28 and May 10, Spanish ID, closing ann, signed off with the original soundtrack from the movie "Bridge over River Kwai." (Penaud in PLAY-DX and Petersen-DK/DSWCI DX-Window)

6025.0 *Radio Illimani*, La Paz, 0010-0040, May 10, non-stop pop songs, 0033 Spanish ann by man, 0035 ID by woman: "La Voz de Bolivia," frequency ann. (Petersen-DK/DSWCI DX-Window)

6134.8 *Radio Santa Cruz*, Santa Cruz de la Sierra, 2219-0108*, May 10 and 14, Aymara and Spanish ann mentioning Santa Cruz twice, full ID also mentioning Santa Cruz de la Sierra, pop song, time ann, closing ann with frequencies, ID again and Andean flute and men singing about Santa Cruz! QRM Radio Aparecida 6135 with religious program. (Goncalves-POR and Petersen-DK/DSWCI DX-Window)

6155.1 *Radio Fides*, La Paz, 0225-0235, May 12, many ann in Spanish, sports coverage and gooooaallll... (Vestesen-FL/DSWCI DX-Window)

6536 *Radio La Poderosa*, On at 2332 w/LA Rom. song. Not on at around 2325 check. A 2330 s/on is in line w/what I've noticed in the past. (Valko-PA/21 May)

BRAZIL 3365.1 *Radio Cultura*, Araraquara, SP, 2151-2157, May 13, football news, advs, TCs, songs. (Goncalves-POR)

3375 *Radio Cultura*, Guajar Mirim, RO, 2153-2200*, May 13, religious program, ID and frequencies (/ / 1260 MW) prior to s/off. (Goncalves-POR)

4754.1 *Radio Educacao Rural*, Campo Grande, MS, 2121-2132, May 14, infos and talks. (Goncalves-POR)

4805 *Radio Difusora*, Manaus, AM, 0940-0946, May 12, Portuguese ann, ID: "Bom dia...rdio Difusora..." (Slaen-ARG)

4815 *Radio Difusora*, Londrina, PR, 2232-2246, May 13, Voz do Brasil, part 2 (Jornal do Senado). (Goncalves-POR)

4825 *Radio Educadora*, Braganca, PA, 2317-2329, May 13, news and info, program ann for Saturday, e.g. program "Tribuna Livre" (Goncalves-POR)

4825 *Radio Cancao Nova*, Cachoeira Paulista, SP, 0912-0918, May 05, Portuguese, Catholic religious program (Holy Rosary prayer) by M and W (Slaen-ARG)

4845.25 *Radio Cultura Ondas Tropicais*, Manaus, 0140-0150, May 14, Portuguese ann, Brazilian pop, almost not audible due to heavy CW. (Vestesen-FL)

4865 *Radio Verdes Florestas* (t), Cruz do Sul, AC, 2118-2156, May 14, religious program. (Goncalves-POR)

4885 *Radio Difusora Acreana*, Rio Branco, Acre, 0144-0217, May 12, Brazilian pop vocal, ID: "Radio Difusora," jingles, adv string and a discussion by two men in Portuguese. Fair. (D'Angelo)

4885 *Radio Club do Para*, Belem, PA, 2216, May 13, Voz do Brasil, end of part 1. (Goncalves-POR)

4895 *Radio Novo Tempo*, Campo Grande, MS, 0205, Apr 26, "A Voz da Esperanca." Reactivated, ex IPB AM. e-mail novotempo.ms@usb.org.br (Cassio via Conexion Digital). Also heard 2337-2345, May 02, Portuguese religious program. Ann and ID as: "as maiores acontecimentos da Brasil y o Mundo voce encontra en a Radio Novo Tempo, Campo Grande, Mato Grosso do Sul;" song by W. And again 1005-1010, May 12, Jingle: "Novo Tempo," ann.: "Bom dia, bom dia para voce Novo Tempo Apresentando..." (Slaen-ARG)

4905.1 *Nossa Radio*, 0235-0257*, May 04, non-stop soft religious vocals. 0255 Portuguese talk, ID and sign off without a national anthem. Weak. (D'Angelo)

4945.0 *Radio Difusora*, PoVos de Caldas, MG, 0200-0215, May 15 Portuguese ann, Brazilian pop songs, ID: "Rdio Difusora" (Petersen-DK)

4945 *Emissora Rural* (t), Petrolina, PE, 2211-2221, May 13, Voz do Brasil, part 1 (Goncalves-POR)

5045 *Radio Guaruja Paulista* via Radio Presidente Prudente, SP, 2123-2147, May 14, advs, feature "Tempo Moderno" (Goncalves-POR)

5969.7 *Radio Itatiata*, Belo Horizonte, MG, 2236, May 14, football match report. (Goncalves-POR)

5980.2 *Radio Guaruja*, Florianopolis (p), 0005-0015, May 10, Portuguese talk. (Petersen-DK)

5990 *Radio Senado*, Brasilia, 1028-1032, May 12, local songs, Portuguese talk about the Goias his-

tory, ID as: "...aqui, na Senado," short talk about ecology. (Slaen-ARG)

6010.06 *Radio Inconfidencia*, Belo Horizonte, MG, 0950-0954, May 12, Portuguese talk about the Federacion Pernambucana de Futbol, another talk about the "Brasileiro" and commentary about the Cruzeiro (BH); TC and ID as: "6 horas, 50 minutos en Inconfidencia" (Slaen-ARG). Also heard 2230-2245, May 14, football match report. (Goncalves-POR)

6040 *Radio Club Paranaense*, Curitiba, PR, 2226-2239, May 14, football match report. (Goncalves-POR)

6080 *Radio Novas de Paz* (t), Curitiba, PR, 2223-2234, May 14, preacher; adjacent QRM and Bolivia 6080. (Goncalves-POR)

6160 *Radio RGS* (t), Puerto Alegre, RS, 2214-2219, May 14, religious program. (Goncalves-POR)

9504.9 *Radio Record*, So Paulo SP, 2138-2149, May 14, football match report, advs. (Goncalves-POR)

9530 *Radio Nova Visao*, Santa Maria, RS, 2140-2152, May 14, religious songs. (Goncalves-POR)

9615 *Radio Cultura*, So Paulo, SP, 2144-2157, Brazilian ballads, with a few denoting some Brazilian Indian influence in the tunes; adjacent QRM only. (Goncalves-POR)

9645 *Radio Bandeirantes*, Sao Paulo, SP, 2152, May 14, football match report. (Goncalves-POR)

9675 *Radio Cancao Nova*, Cachoeira Paulista, SP, 2355-0000, May 09, Portuguese, many IDs, frequency ann for different cities/regions. (Vestesen-FL)

9820 *Radio Nove de Julho*, So Paulo (SP), is no longer announcing its use of shortwave, but can be heard on 1600 MW. (Romais-BRZ)

11735 *Radio Nova Visao*, Santa Maria, RS, 1003, May 15, talks; the only Brazilian station I could observe on 25 m at this time. (Goncalves-POR)

11780 *Radio Nacional*, Brasilia, 0000-0005, May 10, Portuguese, many IDs, ann and news headlines. (Vestesen-FL)

17814.9 *Radio Cultura*, Sao Paulo, SP, 1422, May 14, talks, Brazilian rhythms; strangely best with the K9AY loop. (Goncalves-POR) (all via DSWCI DX-Window/Petersen-DK)

CHILE Frequency change for *Voz Christiana* in Spanish:

0800-1200 NF 5960 SGO (ex-5995)

(Observer-BUL)

CHINA *China Radio International* changes:

0500-0657	Arabic	9590 (ex English)
0500-0657	English	11710 (ex Arabic)
0900-1057	Chinese	17670 (ex English)
1400-1557	Chinese	15220 (ex English)
1930-1957	Romanian	NF 7200 (ex-7110)

(Observer-BUL)

CHINA/TAIWAN Frequency changes for *Radio Taiwan International*:

1800-1900	German	NF 9955 (ex-9565)
1900-2000	Chinese	NF 9955 (ex-9565)
2000-2100	French	NF 9955 (ex-9635)

(Observer-BUL)

CLANDESTINE—AFRICA Target: **Gambia** By Nick Grace April 26, 2005

The Gambia joins the growing list of tyrannies targeted by opposition radio broadcasts this week with the launch of a weekly fifteen-minute news program produced by Web savvy exiles in the United States.

The program, which had not been named at press time, is the latest effort coordinated by *Save the Gambia Democracy Project* (STGDP) to promote press freedoms, democratic liberties, respect for human rights, the rule of law and good governance inside the West African nation.

Test broadcasts, Clandestine Radio Watch (CRW) has learned, will be conducted on April 27, 28 and 29 between 2000 and 2015 GMT on 9430 kHz. The test broadcasts will contain excerpts of interviews in the Wolof, English and local langs for the purpose of testing reception inside Gambia and will not contain a station identification. Formal broadcasts will begin soon thereafter from an undisclosed transmitter location.

STGDP is a relatively new movement that was formed on the Gambian Independence Day, February 18, in 2004 after months of intense online chatter among exiles throughout North America. It was formally launched on the campus of Morehouse College in Atlanta—Martin Luther King, Jr.'s alma mater, an irony not lost on its members.

The group has sought to make a direct impact on the country's political scene and successfully brought the fragmented opposition together under the National Alliance for Democracy and Development (NADD). Its efforts, including the new radio program, are meant to send a signal to the regime of former Sergeant Yahya Jemmah that the upcoming elections in October 2006 will be no cakewalk.

Since taking power in 1994, Jemmah's consolidation of power has proceeded against the winds of democratic change sweeping across the world—and inside Gambia. Attempts to pass severe restrictions

on the press in 2002 led to mass outrage and, ultimately, a repeal of the legislation. More recent attempts to muzzle the press, however, have been more successful and even deadly. What began with arson attacks, intimidation and threats finally culminated in the murder of Deyda Hydara, editor and co-owner of a private weekly and stringer for Agence-France-Presse and Reporters San Frontieres.

The U.S. State Department considers such developments as "shortcomings," however, and in 2002 "determined a democratically elected govt had assumed office" in Banjul and lifted sanctions, according to its 2005 human rights report. While engagement is touted as official policy, none of the U.S.-funded NGOs run democratization projects or maintain a presence in Gambia.

The Gambian diaspora finds itself going alone.

The radio program, sources within STGDP tell CRW, is a grassroots effort dependent upon the generosity of its supporters and should be considered a wake-up call to those in the regime that whether through print, radio or the Internet the pulse of freedom cannot be silenced.

"We are going to be a force to open the people's eyes," STGDP Spokeswoman Sigga Jagne told CRW. "We are not bound by the same sanctions our domestic journalists face. Through our programs we will send a message of hope to our people inside the Gambia that those of us outside do care and are willing to do what it takes to bring change."

Save the Gambian Democracy Project can be reached through its Web site at <www.sunugambia.com> (via DXplorer Apr 26/BC-DX/Bueschel-DE)

There is not much at that URL. Most of the info is at <http://www.sunugambia.com/modules.php?name=News&file=article&sid=2>

There is this address for donations: STGDP, P.O.Box 48321, Doraville, GA 30362, U.S.A. E-mail address is STGDP@sunugambia.com (Jerry Berg-USA, DXplorer Apr 26/BC-DX/Bueschel-DE)

CLANDESTINE—SOUTH AMERICA FARC's radio station *La Voz de la Resistencia* is active. Very distorted signal on three channels: around 5880, 6000 and 6120 kHz impossible to listen in SSB. Best signal on around 6120. Close down 2313 UTC saying they will be back Friday 2230 UTC. (Malm-ECU/Cumbré DX/Johnson)

ECUADOR Changes for *HCJB* in Spanish:

2100-2300 NF 12000 QUI ex 11710

2300-0100 NF 11720 QUI ex 11710

(Observer-BUL)

EGYPT Radio Cairo A05:

0030-0430	Arabic	11885
0045-0200	Spanish	11755
0045-0200	Spanish	9415
0045-0200	Spanish	7260
0200-0330	English	7260
0700-1100	Ar-General	15115
1015-1215	Arabic	17775
1100-0300	General	12050
1115-1215	Thai	15810
1215-1315	Malay	18810
1215-1330	English	17835
1230-1530	Persian	15490
1320-1450	Indonesian	15810
1330-1430	Bengali	17835
1400-1530	Azeri	11655
1430-1600	Pashto	15670
1500-1600	Hindi	13665
1530-1630	Afar	15155
1530-1630	Uzbeki	9495
1530-1730	Swahili	17810
1600-1645	Zulu	11760
1600-1800	Albanian	9990
1600-1800	Turkish	6230
1600-1800	Urdu	13665
1630-1730	Somali	15155
1630-1830	English	11880
1645-1730	Shona	11760
1730-1815	Indebele	11760
1730-1900	Amharic	15155
1800-1900	Russian	7120
1800-2100	Hausa	11830
1830-1915	Lingala	11880
1830-1930	Wolof	15375
1900-0030	VO Arabs	11665
1900-2000	German	9990
1915-2030	Fulani	15425
1930-2030	Bambara	15375
2000-2115	French	9990
2000-2200	Arabic	7210
2030-2200	English	15375
2030-2230	French	15335
2100-2200	Yoruba	11830
2115-2245	English	9990
2215-2330	Portuguse	11790
2300-0030	English	11885
2330-0045	Arabic	11755
2330-0045	Arabic	9735

(Chakroboroty/WWDXC-HQ, April 21, 2005/WWDXC/Kubiak-DE)

ETHIOPIA 9560.1 *Voice of Democratic Alliance?*, via R Ethiopia at 1456-1505 UT on Apr 26, Arabic song to 1459 then pause and at 1600 drum-like start and M in Arabic but not possible to ID. Went to 11800 which was occupied by strong (Asian lang) speaker, so went back to 9560.1, but still no good luck there with heavy splash sandwiched as it was between 9555 / 9565 kHz. 7165.1 had a very weak carrier. Had to leave at 1520, and when I came back 1555, 7165.1 a bit better, but none good enough to

establish whether in //. 18000 completely empty, as expected. This is going to be a difficult one to ID. (Finn Krone-DEN, wwdxc Apr 26/BC-DX/Bueschel-DE)

BBC Monitoring observed a program produced by an Eritrean opposition movement on two shortwave frequencies used by the external service of Radio Ethiopia, at 1501-1600 on 25 May 2005.

At 1501 on 7165.1 and 9560.3 kHz, following on immediately from a Radio Ethiopia external service broadcast in Arabic, there was an identification announcement in Arabic as "*Voice of the Democratic Alliance*" [Sawt al-Tahalufa al-Dimuqrati], followed at 1530 by a program in the Kunama language. Radio Ethiopia's external service resumed at 1600 gmt with a broadcast in English.

The Voice of the Democratic Alliance program is believed to have been on the air since 21 April 2005, in accordance with the following schedule:

Sunday	1500-1530 Arabic, 1530-1600 Tigrinya
Monday	1500-1530 Arabic, 1530-1600 Kunama
Tuesday	1500-1530 Tigrinya, 1530-1600 Afar
Wednesday	1500-1530 Arabic, 1530-1600 Kunama
Thursday	1500-1530 Tigrinya, 1530-1600 Afar
Friday	1500-1530 Arabic, 1530-1600 Kunama
Saturday	1500-1530 Tigrinya, 1530-1600 Afar

Voice of the Democratic Alliance is produced by the Eritrean Democratic Alliance coalition, an umbrella grouping of 16 opposition parties. The organization has a multilingual website at <http://www.erit-alliance.org>

Radio Ethiopia is that country's state broadcaster, and has a website at <http://www.angelfire.com/biz/radioethiopia>

Source: BBC Monitoring research 25 May 05 (DX Listening Digest/Hauser-OK)

FRANCE RFI in DRM via ISS:

0500-0558	French	6175
0600-0658	German	6175
0700-0858	French	6175
1000-1028	French	6175
1030-1058	German	6175
1600-1658	German	6175
2230-2258	French	6175
2300-2328	Spanish	6175

(Observer-BUL)

Relays via French (TDF) transmitters:

Africa #1:

0500-2300	French	9580 GAB
0700-1600	French	17630 GAB
1600-1900	French	15475 GAB

Libyan Jamahiriya Broadcasting:

1000-1400	Arabic	21695 ISS
1100-1230	Arabic	15610 ISS 17695 ISS
1100-1500	Arabic	21675 ISS
1600-1800	Arabic	15660 ISS 17695 ISS
1700-1900	Arabic	15615 ISS 17880 ISS
1800-1900	Arabic	11615 ISS 15660 ISS
1800-2000	Arabic	15205 ISS
1900-2030	Arabic	11715 ISS
2000-2130	Arabic	11635 ISS

Radio Centrafrique:

1700-2258	French	9590 ISS
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Radio Taiwan International:

1700-1800	Russian	11885 ISS
1800-1900	English	3965 ISS
2100-2200	French	9365 ISS
2200-2300	Chinese	3965 ISS

(Observer-BUL)

GABON 9580 Radio Reveil Thanks WRTH tip. 2300 with fanfare, but no ID that I could detect. Talk by man and woman in French, fair signal, but some co-channel QRM. 2312 singing by woman. 2314 ID's by woman and address given. Dead air at 2315 and then off. (Johnson-FL May 12/Cumbre DX)

GERMANY Changes for *Deutsche Welle*:

0300-0400	Swahili	NF 9495 NAU ex 9535
1300-1350	Chinese	NF 15425 SNG ex 15445

Changes in DTK Relays:

Brother Stair in English:

0000-0300	9430 JUL
1100-1200	6110 JUL 2nd Sun
1500-1600	6110 JUL 13810 JUL
1600-1800	9845 WER
2000-2100	9430 JUL

(Observer-BUL)

BVBN:

1600-1630	13800 WER Mo-Fr
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Maeva 6015:

1100-1200	6015 JUL Sa-We
1200-1400	6015-DRM JUL Sa

[see BELGIUM (non)]

Pan American Broadcasting:

1430-1445	15650 JUL CANCELLED
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Save the Gambia Development Project—Voices from the Diaspora (from June 4):

2000-2030	Wolof/En	9405 JUL Sat
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(Observer-BUL) [see CLANDESTINE - AFRICA]

INDONESIA 3325 RRI Palangkaraya May 08 1415-1425 43443 Indonesian, Local news, ID at 1418. (Kouji Hashimoto-JPN/Japan Premium/Iwata Gaku-JPN)

3345 **RRI Ternate** May 18 1020-1105 33232
Talk, music and news in Indonesian. ID at 1101 as
'Radio Republik Indonesia, Ternate' by man. (Ishiza-
ki-JPN/Japan Premium/Iwata Gaku-JPN)

3976 **RRI Pontianak** May 08 1355-1405 Indone-
sian, 1359 IS, ID at 1300, Local news. (Kouji Hashi-
moto-JPN/Japan Premium/Iwata Gaku-JPN)

4604.98 **RRI Serui** May 08 1240-1303 Indone-
sian, Talk and music. (Kouji Hashimoto-JPN/Japan
Premium/Iwata Gaku-JPN)

4919.98 **RRI Biak** Apr 21 1025-1032 Indonesian,
Music, 1029 IS, Local news (Kouji Hashimoto-JPN/
Japan Premium/Iwata Gaku-JPN)

4925 **RRI Jambi** May 08 1405-1415 Indonesian,
Music and talk, ID at 1407. (Kouji Hashimoto-JPN/
Japan Premium/Iwata Gaku-JPN)

**IRAN A05 schedule Voice of the Islamic Republic
of Iran - VOIRI** Tehran:

0030-0130	Bengali	9855k 9890s
0030-0230	Spanish	7220k 9655k 9905k 11610k
0100-0230	Tajik	6175k 7285s 9735s
0130-0230	English	9495k 11875s
0130-0230	Kazakh	11785s 11935s
0130-0230	Urdu	7205z 7220k 9480a 9785k 9845k 11965a
0230-0300	Hindi	15165s 17635s
0230-0300	Uzbek	6175k 9740k 11945s
0230-0330	Pashto	7130s 9605k
0230-0330	Spanish	7220k 9905k
0230-1430	Arabic	13790k 13800z
0300-0330	Armenian	9545s 11710s 12025s
0300-0330	Russian	11925k 9650s
0300-0630	Dari	11910k 13740a
0330-0430	Arabic*	9610k 11875s
0330-0430	Kurdish/ Sorani	7255k 11920s
0330-0430	Swahili	15265s 15340k
0330-0530	Azeri	13710s
0330-1630	Arabic	15125m
0430-0500	Hebrew	9610k 11875s
0430-0600	Turkish	13640k 15260k
0500-0530	Russian	11870k 15215s 17595s 17655s
0530-0630	Bosnian	15235k 15340s
0530-0630	Spanish	15530k 17785s
0530-1630	Arabic	15150s
0600-0700	Hausa	17810s 17870s
0630-0730	Albanian	13810s 15235k
0630-0730	French	13750k 15430s 17590k
0630-0730	Italian	15085k 17560k
0730-0830	German	13690s 15085k 15430s
0730-0830	Pashto	11990s 13770a 15440a
0830-0930	Bengali	11705a
0830-0930	Swahili	15240k 17660k
0830-1430	Dari	9930k 13720a 15480a
0930-1000	Armenian	9695k 15260s
1030-1130	English	15600 17660k

1200-1300	Mandarin	15160k 15190k 17535s 17545s
1230-1330	Malay	15200s 17555k 17625k
1230-1330	Pashto	11870k
1230-1330	Pashto	6175s 9790s 11730k 11870k
1300-1330	Japanese	15555s 17810k
1300-1400	Kazakh	11665k 13615s
1330-1430	Urdu	5960s 6175s 9665k 11695k
1330-1630	Kurd/ Kirmanji [p]	5990k
1430-0430	Pashto	3945z
1430-1500	Dari	9930k
1430-1530	Bengali	9520k 12015k
1430-1530	Bengali	9810k 12090k 9940k
1430-1530	Hindi	11695k 12030s 13805s
1430-1530	Pashto	7270z
1430-1530	Russian	7165k 9580s 9900a
1430-1700	Azeri	6200s
1500-1600	Uzbek	5945k 5955s
1530-0330	Arabic	7285m
1530-1630	English	9635s 11650k
1530-1730	Urdu	7270z
1600-1730	Tajik	5945k 5955s
1600-1730	Turkish	7165k 9870k
1630-0330	Arabic	3985m 6025m
1630-0530	Arabic	9935s
1630-1730	Armenian	7230s 9780s
1630-1730	Pashto	6000s 7195a
1630-1730	Pashto	6015s
1700-1800	Russian	3985k 5985k 7175a 7210a
1730-1800	Urdu	7220k 9530s
1730-1830	Bosnian	7295k 9835s 9860s
1730-1830	German	11855s 11930s 15085k
1730-1830	Swahili	7165s 9655k
1800-1900	Russian	6205s 7235k 7260k
1830-1930	Albanian	7295s 9545k 9570s
1830-1930	French	9905s 13755k 15085k
1830-1930	Hausa	11860s 11930k
1900-1930	Hebrew	3985a 5970k
1930-2000	Italian	7320s 9610k
1930-2030	English	7205k 9800s 9925k 11660s 11670k 11860s
1930-2030	Russian	3985k 7175s
2030-2130	Albanian	11775k 9535s
2030-2130	Spanish	7300k 9650s
2100-2130	Japanese	11990s 12010s
2130-2230	Bosnian	11875k 9810s
2230-2330	Malay	7310s 9820k
2330-0030	Mandarin	11735k 11785k 11975s 12000s 13715s 15230s

Transmitters:

a = Ahwaz
k = Kamalabad
m = Mashad
s = Sirjan
z = Zahedan

*presumed **Voice of Palestine** (Chakroborty, DXLD,
via GH, Alan Roe, WDXC & DXLD #5-048/WWDXC/Ku-
biak-DE + Observer-BUL)

IRAN (non) New station in Farsi from March 28
Seda-ye Jambushi Iran e Farda
1600-1645 7490 KCH

Summer A-05 for *Seda-ye Iran / Voice of Iran*
in Farsi:
1530-1730 11575 SOF
(Observer-BUL)

ISRAEL Updated summer A-05 schedule for the
chronically-imperiled *Kol Israel*:

0245-2115	Arabic	5915
0330-0345	English	9345 11605 17600
0345-0400	French	9345 11605
0400-0455	Hebrew	9345
0500-1355	Hebrew	17535
0930-0945	English	15640
0945-1000	Ladino	15640
1000-1015	French	15640
1015-1030	Mugrabian	15640
1400-1500	Farsi	9985 11605 17535 Fr/Sa
1400-1525	Farsi	9985 11605 17535 Su-Th
1500-1525	Ladino	11605 15640 17535 Sa
1500-1525	Russian	11605 15640 17535 Fr
1530-1545	Music	11590 15640 17535
1545-1555	Spanish	11590 15640 17535
1600-1625	Yiddish	9345 11590 15640
1625-1645	Romanian	9345 11590 15640
1645-1700	Hungarian	9345 11590 15640
1700-1715	French	9345 11590 15640
1715-1730	Spanish	9345 11590 15640
1730-1745	English	9345 11590 15640
1745-1800	Romanian	9345 11590 15640
1800-1835	Amharic	9345 11590 15640
1835-1845	Tigrina	9345 11590 15640
1845-1855	Hungarian	9345 11590 15640
1900-1925	English	11590 15615 15640
1930-1945	French	9345 11590 15640
1945-2000	Spanish	9345 11590 15640
2000-2055	Hebrew	11585 15640
2000-2100	Russian	9345
2100-2255	Hebrew	11585
2300-0330	Hebrew	9345

(Observer-BUL)

ITALY Changes for *RAI International*:

0625-1300	Italian	NF 6195, ex 9670
1330-1355	Arabic	NF 11795, ex 11900 // 9670 11915
1700-1800	Italian	NF 5985, ex 11890 // 7175 9675 11970 15320 15385

Radio Mi Amigo in English via IRRS:
0700-1400 15725 Sa, ex 0800-1500

Radio for Peace in English/Arabic/Spanish via
IRRS:
0600-0700 15725 Sa, ex 1100-1200 Fri
(Observer-BUL)

KUWAIT Additional transmissions of IBB via Ku-
wait 250 kW (ex ERV and UDO):

0100-0300	Tibetan	9365 RFA#
0600-0700	Tibetan	17780 RFA#
0630-0730	Pawsho	17685 RFA*
0730-0830	Dari	17685 RFA*
0830-0930	Pashto	17685 RFA*
0930-1030	Dari	17685 RFA*
1100-1200	Tibetan	17855 RFA# (ex 11590)
1200-1300	Tibetan	11590 RFA#
1300-1400	Tibetan	11590 RFA#
1400-1500	Tibetan	11975 VOA
1500-1600	Tibetan	11540 RFA#
2300-2400	Tibetan	7550 RFA# (ex 9365)

RFA*=Radio Free Afghanistan

RFA#=Radio Free Asia

VOA=Voice of America

(Observer-BUL)

LIBERIA From: <http://www.alertnet.org/thenews/fromthefield/218498/11169654750.htm>

Reuters

Monrovia, 23 May 2005 ~ STAR radio will resume
broadcasting as from Wednesday 25 May 2005, at
1600 local time. The independent news & informa-
tion radio station will transmit on FM & Short Wave
to Liberia & the Subregion from its studios located
at Mamba Point, Monrovia, Liberia.

STAR radio was established by the Hironelle
Foundation ~ Media for Peace & Human Dignity in
1997 and had established itself as a primary source
of independent & unbiased information for Liberians.
It was forcibly closed by the then President
Charles Taylor in 2000 and could not be reopened as
long as he was in office. Taylor left Liberia for exile
in Nigeria in August 2003, and in November the
same year, the ban on STAR radio was lifted by
Gyude Bryant, the Chairman of the National Transi-
tional Government which replaced the Taylor re-
gime.

STAR's program schedule is designed to be rele-
vant to post-war Liberia. The accent will be on news
and current affairs. There will be bulletins on the
hour every hour, and three one hour current affairs
programs daily. But as Liberia moves towards elec-
tions in October there will be voter education pro-
grams and an opportunity to quiz the multitude of
political aspirants. There will be programmes giving
medical and other expert advice on all sectors of so-
ciety, and STAR radio will endeavour to reach a mass
Liberian audience by broadcasting in all of Liberian
languages. STAR radio will be on air daily from
5.00am to 10.00pm on FM for Greater Monrovia, as
well as 2 hours per day on Short Wave for Rural
Liberia & the Subregion.

STAR radio is a non profit organisation run by Liberians in partnership with the Hironnelle Foundation. It is jointly funded by the European Commission, Switzerland, the Netherlands, Norway & the United Kingdom. (Ulis? May 24/Cumbre DX/Johnson)

What frequencies and times will you be on shortwave with Star Radio? (Steve Lare, Holland, MI USA, to Star Radio, via DXLD)

Dear Steve, Thanks for your kind message! We've started on 104 FM last night (1 kW), but still need a few weeks to be on SW and actually we do not know the frequency yet as we will be doing it through a company in the UK. Meanwhile, we [are] looking into posting the news scripts on the website. So you may soon find some interesting stuff there. I'll keep you posted. Kind regards, (Darcy Christen, Program Officer, Hironnelle Foundation, via Steve Lare/DX Listening Digest/Hauser-OK)

Shoulda known with Hironnelle involved—this will be a LIBERIA [non] on SW. UK company would be VT, or WRN? (gh, DXLD)

MOLDOVA Radio Dniester Moldavian Republic
Pridnestrovye in Ge/Fr/En:
1600-1642 5960 KCH
(Observer-BUL)

5910 *Radio DMR* Thanks Mike B's tip. 1556 test tones, strong. 1600 sign on in English with short interval signal and ID by man. Then into talk by same on Russia-EU relations. Clear channel much better than old 5960. 1605 break in program and promo for their English service. Not sure of the date of this program although it announced the English as a half-hour program Mon-Fri, it also announced 5960. Then continued program of Russia-EU relations. 1619, "That's all for today, our program is over." Gave PO Box address that I did not catch as well as the email address listed in the WRTH. 1620 with start of program in French with woman announcer. (Johnson-FL May 12/Cumbre DX/Johnson)

NETHERLANDS Change for *Radio Netherlands* in Spanish:
0000-0157 NF 5995 ASC 250,ex 11900 //9895, 15315
(Observer-BUL)

NIGERIA (non) Voice Africa in English 1600-1800 13820 has been cancelled. (Observer-BUL)

PAKISTAN Summer A-05 for *Radio Pakistan*:
0045-0115 Assami 9340 11565
0045-0215 Urdu 11580 15485
0115-0200 Bangla 9340 11565
0215-0300 Hindi 9340 11565
0315-0345 Tamil 11565 15625

0400-0430	Gujarati	9340 11565
0500-0700	Urdu	11570 15100 17835
0800-1105	Urdu	15100 17835
0945-1015	Tamil	15625 17495
1015-1045	Sinhala	15625 17495
1100-1145	Hindi	9340 11565
1200-1230	Chinese	11570 15070
1200-1245	Bangla	15625 17495
1245-1315	Nepali	15625 17485
1330-1400	Turki	5860 6060
1330-1530	Urdu	11570 15100
1415-1500	Russian	9340 11585
1500-1545	Pashto	6060
1515-1545	Dari	5860 7375
1600-1615	English	11570 11850 15100 15725
1630-1700	Turkish	11550 15725
1700-1900	Urdu	11570 15100
1715-1800	Farsi	9320v 11550
1800-1900	Urdu	9320v Islamabad program
1815-1900	Arabic	9340 11550
1915-0045	Urdu	7570

(Observer-BUL)

PAPUA NEW GUINEA On Thursday I received an e-mail from Dave Olson, the HCJB engineer who is overseeing *Wantok Radio Light's* installation:

"Hi Guy, heads up. We will likely install the transmitter tomorrow (Friday May 20th, your time) and do some intermittent testing. Next week we will be on some more and by next Thursday hope to have it fully operational. Testing will only be between 9am and about 4pm our time.

7120 KHz. 1 KW. Our antenna is an NVIS which means it has a beam pattern essentially straight up. Our predictions do not show much headed your way so it will be interesting to know if you can hear us. We are 10 hours ahead of GMT so you can figure the time zone differences. We are also the same time zone as Sydney. Let us know if you hear us." (Guy Atkins WA May 22/Cumbre DX/Johnson)

Wantok Radio Light, a Christian broadcaster based in Port Moresby, has now commenced its new HF operation on a test basis, using 7120, 1 kW, to a 24 hr schedule. The station is the "Papua New Guinea Christian Broadcasting Network," and it's simulcasting the FM network, which was inaugurated in January 2002. It trades as "Wantok Radio Light."

Excellent reception here in Melbourne from as early as 0800 on May 23!

The official launch date is planned to be Saturday June 11. Note that the transmitter location is at Kaupena, Southern Highlands.

As an aside, you may be interested to know that the PNG Forest Authority donated K60,000 worth of wooden poles to assist antenna construction. These are eight eucalyptus robusta poles, four of which are 18 metres, and four are 12 metres. The poles have

been pressure treated with copper chrome and arsenic chemicals usually known as CCA. They can last for at least 50 years, according to a report from PNG Business and Tourism.

Total estimated cost for setting up the short-wave facility is K360,000, according to PNG B and T. (Bob Padula-AUS/EDXP)

PERU 3375.11 Radio San Antonio, M in Indian/SP mixture dialect w/ID at 0103. Then comunicados over mx w/ment of San Pablo and Arequipa. 0105 into Huayno. 0109 M w/song anmnt, TC, slurred ID, more comunicados. 0110 canned anmnt over mx w/ment of Cusco and beautiful clear ID at 0112 ending anmnt. Then muffled canned final rel. message ending w/"amen." 0114 deadair, and off at 0115. The ZY was there after this signed off. At first I thought this was the ZY. Please it was San Antonio!! (Valko-PA/22 May) 3375.1 **Radio San Antonio**, Padua de Callalli, 2312-0202, May 10 and 13, Spanish religious talk, songs, 0200 orchestral music and probable sign off. (Goncalves-POR and Petersen-DK/DSWCI DX-Window)

4386.6 **Imperio Radio**, Lambayeque, 0225-0235, May 15, Spanish, first noted this night in one week and maybe only on-air during weekends. Many ann and possible ID. (Vestesen-FL/DSWCI DX-Window)

4746.8 **Radio Huanta 2000**, Huanta (p), 2320-0115, May 09, 13 and 15, Quechoa, Indian songs; splendid at 2300. Fast talk in Spanish, huaynos (Goncalves-POR and Petersen-DK/DSWCI DX-Window)

4774.97 **Radio Tarma**, Tarma, 0235-0245, May 12 and 14, Spanish ann, ID, Peruvian music, weak modulation but surely able to identify. (Vestesen-FL/DSWCI DX-Window)

4824.5 **La Voz de la Selva**, Iquitos, 0150-0308*, May 08 and 15, Spanish ann, light Andean songs, closing ann, National Hymn. (Petersen-DK and Vestesen-FL/DSWCI DX-Window)

4826.43 **Radio Sicrani**, 0118 M giving comunicados w/many "atencion"s, several "saludos," ment of Radio Sicrani twice and tarde at 0121. Many times given, ments of 2 de Mayo and estudios. 2 more ments of Radio Sicrani at 0124. Saludos to Carleto Pena, then into nice campo song w/male chorus. 0127 live M returned w/lively anmnts and back to mx briefly, and M again w/more comunicados. Nice signal but annoying CODAR QRM. (Valko-PA/22 May) 4826.42 **Radio Sicrani**, Cusco, 0135-0225, May 11 and 12, Spanish, many ann, Peruvian music. (Petersen-DK and Vestesen-FL/DSWCI DX-Window)

4855.77 **Radio La Hora**, 0033, Nice ID by M w/abt a dozen ments of Cusco. Decent w/some UTE QRM. (Valko-PA/22 May)

4949.97 **Radio Madre de Dios**, 0149, Beautiful canned ID by M, and into "Mandy" by Barry Manilow. Abt 90% readable. Again, pres. Angola on this freq too but ext. weak. (Valko-PA/22 May) 4950 **Radio Madre de Dios**, Puerto Maldonado, 0150-0200*, May 11, Spanish, instrumental music, 0157 closing ann, ID, Peruvian National Hymn. (Petersen-DK/DSWCI DX-Window)

4955.0 **Radio Cultural Amauta**, Huanta, 2335-0227*, May 09 and 14, Quechoa preaching, close down ann and ID by a man and woman in Spanish. Off without playing National Anthem. (D'Angelo and Petersen-DK/DSWCI DX-Window)

4995.58 **Radio Andina**, Signed on between 2331-2335. W w/rapid anmnts at 2335. Not noted while checking the Russian time station at 2331. Finally 2 IDs at 0026. (21-Valko-PA/22 May) 4995.6 **Radio Andina**, Huancayo, 0140-0205, May 07, 11 and 12, a man reporting in Spanish, female host, many ann, ID at 0157. (Petersen-DK and Vestesen-FL/DSWCI DX-Window)

5070.72 **Radio Ondas del Suroriente**, 2345, May 13, Spanish, long speech, later a long block of advs and then an indistinct ID and frequency-ann. (Hartvig Nielsen-DK in DXLD/DSWCI DX-Window)

5544.67 **Radio San Andreas**, 0143 tlk by M w/ment of Lambayeque, into Huayno. More mx and anmnts. 0158 M w/TC and ID anmnt over song. (Valko-PA/22 May) 5544.66 **Radio San Andres**, Cutervo, Cajamarca, 0200-0230, May 12, Spanish ann, Peruvian music, IDs. (Vestesen-FL/DSWCI DX-Window). Also heard 0150-0315*, May 13, Spanish ann, then almost an hour of nonstop music, studio host again at 0300. No ID. (Hartvig Nielsen-DK in DXLD/DSWCI DX-Window)

5939.3 **Radio Melodia**, Arequipa, 2239-2256, May 14, Spanish program, TCs, ID "Melodia AM" and no references to SW, songs. (Goncalves-POR/DSWCI DX-Window) 0013-0030 Mainly man in Spanish comments which was probably news. Others joined in periodically. Signal was fair. (Chuck Bolland-FL, May 10/Cumbre DX/Johnson)

6172.94 **Radio Tawantinsuyo**, Cusco, 1022-1027, May 12, Quechoa/Spanish, TC: "las 5 y 27 minutos en todo el Peru," ID: "...en Radio Tawantinsuyo..." (Slaen-ARG/DSWCI DX-Window) 6173.85, **Radio Tawantinsuyo** (pres.), 0045 rapid tlk by M, into lively OA mx. V.O. Vietnam from Canada popped on 6175 at 0054, and then blew Tawantinsuyo away when the pgming began at 0100. (Valko-PA/22 May)

6193.5 **Radio Cusco**, Cusco, 0110-0245, May 07, 10, 11, 12 and 15, Spanish ann, two hosts in the studio, huaynos. (Petersen-DK and Vestesen-FL/DSWCI DX-Window) Also heard 1016-1021, May 12, Quechoa/Spanish, very nice huaynos, ID: "Radio

Cusco...Radio Cusco," TC and ann: "5 de la manana con 19 minutos...fue el Grupo Ciento Uno" (Slaen-ARG/DSWCI DX-Window)

6520.4 *Radio Paucartambo*, Paucartambo (p), 0055-00230, May 10, 11 and 12, Spanish talk, ann, huaynos, sports coverage—probably soccer. (Petersen-DK and Vestesen-FL/DSWCI DX-Window)

6536.10 *Radio Difusora Huancabamba*, Piura, 0205-0225, May 11 and 12, Spanish ann and LAmusic. (Vestesen-FL/DSWCI DX-Window)

6956.96 *La Voz del Campesino*, Huancabamba, 0230-0245, May 16, Spanish, ann, ID, Peruvian music, weak. (Vestesen-FL/DSWCI DX-Window)

PHILIPPINES Changes for *Radio Veritas Asia*:

0100-0127 Urdu NF 15350 PUG, ex 15300
1330-1357 Sinhala NF 9520 PUG, ex 9565
1400-1427 Tamil NF 9520 PUG, ex 9565
1430-1457 Telugu NF 9520 PUG, ex 9565
1500-1557 Russian NF 9685 PUG, ex 9570
1500-1527 English NF 11765 PUG We/Fr/Su, ex 9695
1500-1557 English NF 11765 PUG Mo/Tu/Th/Sa, ex 9695

(Observer-BUL)

RUSSIA Summer A-05 for *Radio Rossii* in Russian:

0100-0600 9480 MSK
0620-1500 13665 MSK
1520-2100 9450 MSK

Voice of Russia in English WS:

1600-1700 11640

Voice of Russia in Russian WS:

0100-0200 5945 9725 9860 9880 12070 15425 15455
0200-0300 7250 7330 9725 9880 12070 15425 15455
1200-1300 7390 9480 9745 9920 11670
1300-1400 7390 9480* 9745 11670 15540 17645
1500-1600 5945 11635 12055 15440
1700-1800 11630 13850 15540
1900-2000 5950 11630 11745 12055
2000-2100 12055

*DRM broadcast (Observer-BUL + Rudnev-RUS)

Voice Of Russia Commonwealth Service:

1200-1300 9875
1300-1400 7370 9875 9920
1400-1500 7370 9800 9820 9875 9920 11830 15430
1500-1700 7370 9800 9820 9865 11830
1700-1800 7370 9800 9820 12055
1800-1900 7370 9820 12055

Voice Of Russia—Russian International Radio

0000-0200 7125
0200-0300 5945 7125

0300-0500 7125
1000-1200 11750
1400-1600 13850
1600-1700 5925 13850
1700-1800 9835
1900-2000 5985 9825
2000-2100 5985 7260 9825
2300-2400 7125

(Rudnev-RUS)

Kamchatka Rybatskaya:

2300-2400 5910 P.K 11980 P.K Sa

Radio Huryaal in Somali:

1730-1800 12130 SAM Sa-Th

Tatarstan Wave:

0400-0500 15140 SAM
0600-0700 9690 SAM
0800-0900 11925 SAM

Tensae Ethiopian Voice of Unity:

1500-1600 15660 SAM Su-Fr

TWR Europe via Armavir

1445-1530 Polish 9735 Su
1500-1530 Polish 9735 Mo-Sa
1530-1600 Hungarian 9735
1600-1615 Czech 7290 9735 Mo/Tu/Th/Fr
1600-1630 Romanian 7290 9735 Sa

Voice of Delina in Amharic:

1500-1600 15660 SAM Sa

Voice of Ethiopian National United Front:

1700-1800 12120 ARM Fr/Su

Additional transmission for *Voice of Liberty Eritrea* in Tigrigna/Arabic:

0600-0700 15675 ARM Su/We/Fr

Additional transmission for *WYFR*:

1000-1100 Japanese 7380 K/A

(Observer-BUL)

SEYCHELLES (non) Changes for *FEBA Radio*:

1400-1415 English
1415-1500 Urdu Balti NF 9500 NVS, ex 9495 Su-Tu/Th/Fr
1415-1515 Urdu Balti NF 9500 NVS, ex 9495 We/Sa
1500-1515 Punjabi Balti NF 9500 NVS, ex 9495 Tu
1500-1515 Balti NF 9500 NVS, ex 9495 Su/Mo/Th/Fr
1630-1700 Amharic NF 9865 DHA, ex 9885
1700-1800 Somali/ NF 9865 KIG, ex 9885 Tigr

(Observer-BUL)

SINGAPORE 6000 *Mediacorp Radio* (p), 2313 tkk by live W in CH, mx bridge, canned M w/ment of radio (ID??), more tkk by W, and into Pop mx. W again at 2329 but it had faded and there was too much 5990 CRI Cuba slop QRM. (Valko-PA/21 May)

SOLOMON ISLANDS *SIBC* Honiara are currently using half power on 5020, running just 6kW instead of usual 12kW. Coverage of outer provinces is reported to be unaffected. Money saving exercise because of high costs of fuel. (David Ricquish, NZ/Australian DX News/ARDXC)

SOUTH AFRICA (non) Summer A-05 for *Radio France International* via Meyerton:

0300-0358	French	5925 MEY
0700-0758	French	15170 MEY
1100-1158	French	17850 MEY
1200-1358	French	17850 MEY
1230-1258	French	21760 MEY
1600-1658	English	7170 MEY 15160 MEY
1900-2158	French	7160 MEY

New transmission for *Voice International* in English:

0515-1545 9555 MEY

(Observer-BUL)

SYRIA Monitored schedule of *Radio Damascus* (times vary):

1000-1300	Arabic	12085
1600-1700	Turkish	9330
1700-1800	Russian	9330
1805-1905	German	9330 12085
1905-2005	French	9330 12085
2005-2105	English	9330 12085
2110-2210	English	9330 12085
2215-2315	Arabic	9330 12085
2320-0030	Spanish	9330 12085

(Observer-BUL)

TUNISIA All transmissions of *RTTunisia* in Arabic moved one hour earlier as follows:

0100-0400	12005 SFA
0100-0400	9720 SFA
0300-0600	7190 SFA
0300-0600	7275 SFA
1100-1500	15450 SFA
1100-1500	17735 SFA
1300-1500	11730 SFA
1300-1600	11950 SFA
1500-2000	12005 SFA
1500-2000	9720 SFA
1500-2200	7225 SFA
1600-2200	7190 SFA

(Observer-BUL)

UKRAINE *Radio Ukraine International* in Ukrainian:

0000-0100 English 7440

0000-0500	Ukrainian	7485 KHR
0300-0400	English	7440
0500-0800	Ukrainian	9945 KHR
0800-1300	Ukrainian	15675 KHR
1100-1200	English	15675
1300-1700	Ukrainian	7530 KHR
1700-1800	German	7490
1700-2100	Ukrainian	7490 KHR
2000-2100	German	7490
2100-2200	English	7420
2100-2400	Ukrainian	7420 KHR
2300-0400	Ukrainian	7440 SMF
2300-2400	German	7420

(Observer-BUL)

UNITED KINGDOM *BBC* changes:

0100-0115	Nepali	9800 12035
0400-0500	Ukrainian	9560 9895 11770 Mo-Fr
0930-1000	Burmese	9760 12045 15545 Su
1300-1330	Kazakh	15430 17695 Mo-Fr, ex 1200-1230 Mon-Fri on 15535 and 17660
1400-1430	Ukrainian	9585 11935 13645 Sa/Su
1600-1700	Ukrainian	9535 11740 13670 Sa/Su
1900-2000	Ukrainian	9605 11985 13745 Mo-Fr

Some changes in Merlin relays:

Bible Voice Broadcasting Network:

0015-0030	Hindi	9605 DHA
0030-0045	Tamil	9605 DHA Sa
0030-0045	Bengali	7210 DHA Su
0030-0100	English	6010 DHA

Eglise du Christ:

1800-1830 French 11950 WOF Th

Eternal Good News:

1130-1145 English 15525 DHA Fr

Gospel for Asia in SouthEast Asian languages:

0000-0130	6145 DHA
1230-1330	15590 DHA
1400-1500	15215 DHA
1600-1630	11845 DHA
2300-2400	6040 DHA

HCJB:

1600-1630	Russian	11760 RMP
2100-2230	Arabic	12025 SKN

Internews/Salaam Watandar:

0230-0400	Dari/Pash	15240 SAM
1300-1430	Dari/Pash	15500 RMP

KBS World Radio:

0700-0800	Korean	9535 SKN
1800-1900	Russian	15360 RMP
1900-2000	Arabic	15365 RMP
1900-2000	French	6145 SKN
2000-2100	German	3955 SKN
2100-2130	English	3955 SKN

Leading The Way:

1700-1730 Persian 15495 RMP Tu/Fr
 1700-1730 Russian 15495 RMP Sa/Su

Radio Africa in English to Zimbabwe:

1600-1800 English 15145 RMP (ex-11845 16-17
 and 11705 17-18)
 1800-1900 English 11770 RMP (ex-11995)

Radio Mustaqbal:

0630-0700 Somali 15530 DHA Mo/Tu/Th
 1130-1200 Somali 15530 DHA Mo/Tu/Th

Radio Ndeke Luka:

1830-1930 Fr/Singo 11760 DHA
 1830-1930 Fr/Singo 15470 WOF CANCELLED

Radio Okapi:

0400-0600 Fr/Lingala 11690 MEY

Radio Solh/Radio Peace:

1200-1800 Dari/Pash 17700 RMP

Radio Taiwan International:

1900-2000 French 6045 SKN
 1900-2000 German 6185 SKN

Salama Radio International:

1930-2030 Hausa/En 11885 WOF We/Su

Sudan Radio Service:

0300-0500 En/Ar/Vary 11665 RMP Mo-Fr
 0500-0600 En/Ar/Vary 15325 WOF Mo-Fr
 1500-1800 En/Ar/Vary 17660 WOF Mo-Fr

New transmission for TWR Africa:

1300-1315 Arabic 13745 DHA Fr/Sa

United Nations Radio:

1700-1715 French 7170 MEY 11735 MEY 17720
 SKN Mo-Fr
 1730-1745 English 7170 MEY 15495 SKN 17810
 ASC Mo-Fr
 1830-1845 Arabic 15105 SKN 17560 RMP Mo-Fr

UNMEE:

0900-1000 En/Tigrina/Amh 15135 DHA Su
 1030-1130 En/Tigrina/Amh 15135 DHA Tu

Voice of Biafra International:

2100-2200 English 7380 MEY We/Sa

Wales Radio International has CANCELLED all transmissions

WYFR:

0400-0500 German 3955 SKN
 1400-1500 Hindi 15520 DHA
 1500-1700 English 15520 DHA
 1700-1800 Arabic 13700 RMP
 1700-1800 English 21680 ASC
 1800-1900 English 3955 SKN
 1800-1900 Arabic 13720 SKN

1800-1900 English 13780 RMP
 1900-2000 Arabic 15165 RMP
 1900-2100 English 3230 MEY
 2000-2100 English 15195 ASC
 2030-2130 French 11985 ASC
 (Observer-BUL)

UNITED STATES VOA changes:

0900-1200 English NF 9520 KAV (ex-9705) //
 15205 KAV 17745 IRA
 1600-1700 Bangla NF 7430 11835, ex 7280 and
 11965

(Observer-BUL)

Changes for RFE/RL:

0000-0100 Kazakh NF 9815
 0300-0400 Kazakh NF 11990
 1100-1300 Russian NF 11705
 1400-1500 Russian NF 15195
 1400-1600 Kyrgyz NF 12115
 1500-1600 Kazakh NF 9815
 1500-1600 Russian NF 15130
 1500-1600 Tatar NF 15415
 1600-1700 Serbian NF 9840
 1600-1700 Serbian NF 6055
 1700-1800 CeAs langs* NF 12045
 1800-1900 Serbian NF 15320

*Avari 1700-1720; Chechen 1720-1740; Cherkassi
 1740-1800

(Observer-BUL)

WRNO Per George Jacobs, their frequency manager, WRNO is finally installing their antenna coupler this week. He anticipates them being on sometime next week. (Johnson May 25/Cumbre DX)

KNLS updated:

0800-0900 English 11870
 0800-1100 Chinese 11765
 0900-1000 Russian 11870
 1000-1100 English 9795
 1100-1200 Chinese 9615
 1100-1200 Russian 9655
 1200-1300 English 9615 9780
 1300-1400 Chinese 9780
 1300-1800 Chinese 9615
 1400-1500 English 9795
 1500-1700 Russian 9795
 1700-1800 Russian 7355

(Observer-BUL)

KNLS DOUBLES BROADCAST HOURS ON MAY1ST —By Dick Brackett

May 1, 2005 marks the first transmission of KNLS from the new, second tower in Anchor Point, Alaska. This doubles the number of daily broadcasts from 10 to 20 hours. Anyone who has ever bought their child a toy for Christmas, then read the dreaded words on the box, "Some Assembly Required,"

might have just a glimpse of what has happened in Anchor Point, Alaska.

Kevin Chambers, Dave Dvorak and Charlie Perry received a giant Erector Set, from which they constructed a 360 foot tower, to hold a 300 foot by 300 foot antenna—and they must do it in the snow—in the middle of winter—on a time table!

The reason they had to do it in the wintertime is because that is the only time the ground is solid enough to drive heavy equipment on it. Any other time, the trucks become mired in the soggy ground. So, they donned the warmest clothing they had, put on the heaviest gloves they could wear and still feel the tools and parts, and stuck out over the snow and frozen earth to build a radio tower.

By the time you read this, they will be finished with the project. They started construction in 2003. The tower is complete and the antenna has been strung between the new tower and one of the existing poles. This arrangement was a part of the original planning for the radio station when it was first started. In the future, a third antenna and transmitter can be added.

The various parts and equipment, including untold thousands of nuts, bolts and washers, were delivered by two (Photo of truck) huge trucks in about two dozen large boxes. After careful inventory and comparison with the work order, the 45 tons of hardware were laid out and arranged for easy access.

The tower itself is put up in 20 foot sections, 19 in all, which are hoisted into place, bolted together and secured by guy wires. The 56 concrete earth anchors for the guy wires were driven 30 feet into the ground during the winter of 2003, when the ground was soft enough to dig into. When you live and work in Alaska, you have to think of these things well in advance. Every step is planned according to the weather. One missed deadline, and you wait till next year!

Once the tower itself was completed, the screen antenna, consisting of 4 tons of wire, was assembled on the ground, one piece at a time, and hoisted to the next level. A very effective system of cables and pulleys makes it possible for human effort to raise the antenna, which will be held up by 42,000 pounds of concrete counter weights.

As of May 1st, KNLS is on the air with two antennas each for ten hours a day for a total of twenty hours of broadcast time in three languages. One system will be used exclusively for the Chinese language, and the other will broadcast both Russian and English programs. (WCBC via Glenn Hauser, DXLD/Australian DX News/ARDXC)

UZBEKISTAN (non) Radio Que Me in Vietnamese:

1200-1230 15385 TAC Sa

(Observer-BUL)

Voice of Tibet via Tashkent:

1100-1148 17522 or 17525 or 17528

1212-1300 17522 or 17525 or 17528

1301-1349 17522 or 17525 or 17528

1430-1518 17522 or 17525 or 17528

(Observer-BUL)

VANUATU Radio Vanuatu is noted here in Melbourne during our local mornings and evenings on its former channel of 3945. 7260 is no longer heard at any time. As at May 19. (Bob Padula-AUS/EDXP)

ZIMBABWE (non) Additional frequency for SW Radio Africa in English:

1600-1900 on 12145 via RUS // 15145 RMP till 1800, 11770 RMP from 1800 (Observer-BUL)

THANK YOU WRTH! WRTH is pleased to announce that a pdf file containing the summer 2005 schedules from nearly 250 International, Foreign Service, Clandestine and Target broadcasters is now available for download from our website at www.wrth.com. The file contains 94 pages of schedules and frequency listings in the same format as WRTH and is just over 330k in size. You will need Adobe Acrobat 5 or later to open the file (a link to the Adobe website is provided on our site). Updates to this file will be posted on our website during the course of the Summer broadcasting season.

We hope you find this file useful, both on it's own and as a companion to the printed WRTH.

Regards, Sean D. Gilbert G4UCJ/G4001SWL

International Editor—WRTH (World Radio TV Handbook)

E-Mail: sean.gilbert@wrth.com Fax: +44 (0) 709 2332287 WRTH Web site: www.wrth.com G4UCJ's Radio Website: <http://myweb.tiscali.co.uk/g4ucj>

HYPERBOLE ALERT "Christian Broadcasting Station in Madagascar to Reach Five Billion"

World Christian Broadcasting has begun a new project to build a broadcasting facility on the island of Madagascar. This new radio station will increase the potential audience from three to five billion people, to over two-thirds of the planet who will be able to listen to Christian broadcast signal. (Source: Christian Today, May 24—author Janet Dean/EDXP/Padula-AUS)



Pirate Radio Report

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

Hello and welcome to the June 2005 edition of *The Pirate Radio Report*.

A correction from last month.

George Maroti correctly pointed out that Wales is already a NASWA radio country. So if you log and QSL **Valley Wave International** in Wales, you can add it to your VIC totals.

Contributors: Many thanks to the following fine folks! George Maroti-NY, Joe Wood-TN and George Zeller-OH.

America World Break aka **AWB Radio**, an apparent new one, was noted on 6925 kHz USB from 0004-0022 UTC sign off on May 23rd with a SIO of 242. His theme was that immigrants are ruining the United States. "Nations are stable, but empires are unstable." Long lists of complaints about Arabic immigrants and Mexican immigrants. "When are the politicians going to wake up?" All of the trouble from the immigrants was cited as the blame for the large losses of manufacturing jobs in the USA lately. The entire program was a political talk, from an ultra right wing populism philosophy. Gave no address. [Zeller-OH]

The Crystal Ship continues to be one of the more active stations, often operating during the week as well as weekends. Noted on 6855 kHz in AM mode on May 23rd from 0003 past 0051 UTC with Pink Floyd music. It sounded like an album being played in its entirety. Good. [Wood-TN]. I think they were playing the "The Wall" in its entirety. -ed.

A Joint broadcast of **Grasscutter Radio** and **Sunshine Radio** was noted on 6925 kHz USB mode from 0028 sign on past 0118 sign off on May 9th. The SIO was 242. Program of rock music including "Tears for Fears", "Beatles", and other artists. Announced as a joint Mother's Day broadcast of the two stations, with multiple IDs by an man for Grasscutter and a woman [right George?!] for Sunshine Radio. They said if George Zeller was listening, he should pay close attention


as the Sunshine R. woman carefully and clearly pronounced the name of the station. Said that reports should go to grasscutter radio@yahoo.com and that a hotmail.com address that they previously used at times no longer is in working order. Transmitter howls at QRT. [Zeller-OH]. What they were trying to communicate to George is that the Sunshine announcer is a YL not an OM! Ed.

Ground Zero Radio was noted on 6925.1 kHz AM mode from 0310 to 0330 sign off on May 22nd. Program of rock music with a very weak signal and poor copy of the program. Two definite IDs and the Elkhorn address copied, however. [Zeller-OH]

Pirate Radio Boston, "The Station Run By DXers For DXers", was heard 6925 kHz USB mode on May 16th from 2310 to 2342 sign off. First log of this station for me. Very good reception. The signal was strong and there was no QRM. The program consisted of emails from noted DXers and comments by Charlie Loudenboomer and Mr. Excellence. Music was provided by Roger Bragg, Green Day, and others. There were several IDs as "Pirate Radio Boston" and "You're listening to PRB." Interview with Sanjay of Partial India Radio. [Wood-TN].

Radio Free Euphoria, Captain Ganja's Station, was noted on 6925 kHz in AM mode 0115-0136 UTC on May 20th. Program of largely rock music, with several mentions of Marijuana. Weak signal and relatively poor copy, but three or four definite IDs heard. [Zeller-OH]

WHGW, The H.G. Wells Station, was logged on 6925 kHz in CW/USB from 2212-2214 sign off and from 2248-2258 sign off on May 22nd. The first part of the program was a digital mode broadcast, followed by some WHGW IDs in CW. This was followed by an old-time radio drama. At close, gave the usual whgw6925@myway.com e-mail address for reports. (Zeller-OH)

That's it this month. Happy Pirate DX! 

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

ALBANIA: China Radio International 6020 via Cerrick verified for a 3rd time w/ a f/d "Clouded Leopard - Endangered Rare Animals" cd. w/ site in 35 ds. Also rcvd. a colorful laminated station pennant and 2 paper cuts. Station is requesting reports on this transmission. (D'Angelo-PA)

AUSTRALIA: HCJB 15525 f/d "Cane Toad" cd. w/ form ltr. Angelo-PA) and schedule in 28 ds. for \$1.00 (Brouillette-IL). Voice International f/d cd. w/o site in 5 wks. Also rcvd. T-shirt, key chain, hat, CD, postcards, mini-note pad, autographed staff photo, calendar, personal ltr., sticker, schedule, station pen, another CD in Chinese, religious brochures and a large yellow carrying bag. My mailman has a hernia! I either wrote them a very nice report or they figure I need some saving. I lean towards the latter. (Barto-CT).

BONAIRE: Radio Vlaanderen International 11730 f/d "Nardzee and Koksijde" cds. in 9 ds. (Brouillette-IL).

BRASIL: Radio Mundial - Radio Nossa Voz 3325 the station signed and stamped my prepared cd. in 29 ds. v/s Luci Rothschild de Abreu. Also * rcvd. station sticker. (D'Angelo-PA). Radio Brasil 4785 my report was returned by the Brazilian PO. I used PWBR 2005 address. Any help?

(Field-MI). ZYG850 Radio Guarujá Paulista 5045 f/d "Certificado de Sintonia" w/ station brochures and information and AM and FM stickers in 1 mo. (Barto). Radio Educacao Rural de Tefe 4926 f/d ltr. after 3 f/up rpt. v/s Thomas Schwamborn, Director. This is QSL #126 from Brasil. (Field-MI).

CHINA, PEOPLE'S REPUBLIC OF: Chinese People's Broadcasting Station-Taiwan 2 5090 f/d cd. in 2 1/2 *mos. (Barto-CT). Chinese People's Broadcasting Station 6090 via Ge'ermu verified via China National

Radio w/ a f/d cd. w/o site in 32 ds. (D'Angelo-PA). China Radio International 9585 f/d "Bactrian Camel" cd. w/ schedule in 5 wks. (Barto-CT). 9770 f/d "Tian An Men Rostrum" cd. w/ schedule in 2 mos

CLANDESTINE: Voice of Iranian Kurdistan 4860 the station (Barto). * signed and stamped my prepared cd. for a rpt. sent to the Paris address w/ \$1.00. Card was rcvd. in 9 ds. A separate rpt. sent to the Centerville, VA address was returned as "Attempted - Not Known" by the USPO. (D'Angelo-PA).

station replied to my e-mail rpt. w/ a n/d reply from: rdkiran@yahoo.com in 13 ds. asking how I became acquainted w/ their station. The Paris office seems rather uncoordinated as a signed and stamped cd. was received previously. (D'Angelo-PA).

* Shortwave Radio Africa 11705 and 11845 via Rampisham rcvd e-mail reply in 1 day from Gerry Jackson, Station Mana-

Dear Friend,
thank you for your report, which we herewith verify as fully correct.
IBRA Radio was heard over

Athkar, Munka, London

Date: 1st December 2003

Hour: 21:25 - 22:29 UTC

Frequency: 12.025 kHz

We are glad to understand that you are listening to our programs.



Radio w/ a f/d cd. w/o site in 32 ds. (D'Angelo-PA). China Radio International 9585 f/d "Bactrian Camel" cd. w/ schedule in 5 wks. (Barto-CT). 9770 f/d "Tian An Men Rostrum" cd. w/ schedule in 2 mos

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The front of this QSL-card represents the upper right quarter of a painting symbolizing the Danish national anthem "Der er et yndigt land" (There is a lovely land), which can be heard as the conclusion of every shortwave-transmission from Radio Denmark. The remaining three parts of the painting are issued as QSL-cards from Radio Denmark as well. They cannot be ordered, but will be distributed at random.

Dear Scott R. Bonboun
Your report on our broadcast of the
8. MARCH, 2002
at 14.20 - 14.55 UTC
ON SW491, NERWAY 17525 kHz
has been checked and found correct
and is hereby verified.

BEARING 300°
TO CENTRAL
NORTH AMERICA

Sincerely yours
Radio Denmark

Artist: Sofie Bagger
Print: Lunae Serigraf

St. Petersburg
February 28, 2002

Dear Mr. Jerry Klinck,

Thank you very much for your reception report!

You really heard our short wave transmission and this letter is our official confirmation of this fact:

January 20, 2002
2000-2230 UTC
5920 kHz

Radio Studio Doma Radio "Gardarika" started its regular short wave broadcasting on February 16, 2001 using a 200 kW transmitter in the 49-meter band.

Dom Radio "Gardarika" (= Broadcasting House "Gardarika") also broadcasts on two FM frequencies here in St. Petersburg including 69.05 MHz (0300-2300 UTC) and 102.4 MHz (24 hours a day).

We hope you will continue to listen in our programs in the coming time.

Best regards,

Suvorov Aleksey
Short wave project manager



ger, at: (Gerry@swradioafrica.com) mentioning: "Very pleased that you could hear us and thank you for your report. Will pass this on to our technical manager and he will send a verification report". (D'Angelo-PA)

CUBA: Radio Habana Cuba f/d cd. w/ bookmark and ltr. in 5 mos. (Bauernhuber-NY).

CZECH REPUBLIC: Radio Prague 7345 f/d "Karlovy Vary" cd. in 20 ds. w/ schedule for 1 IRC. (Brouillette-IL). f/d cd. w/ schedule and magnet in 8 mos. (Bauernhuber-NY).

ENGLAND: Salaam Watandar - Internews 13650 via Rampisham f/d cd w/o site in 5 wks. (Barto-CT). Sudan Radio Service 17760 via Woofferton ltr. in 2 wks. on my 2nd try. v/s Jimmy Mulla, Radio Producer. (Field-MI).

EUROPEAN RUSSIA: IBRA Radio 7395 via Arnavir f/d cd. in 2 mos. (Barto-CT).

GERMANY: Bible Voice Broadcasting Network 7260 via Julich DTK

ltr. in 5 wks. (Barto). 6015 ltr. in 5 wks. (Barto).
Voice of America 9485 via Julich DTK ltr. in 5 wks.

STATION NOTES: Kol Israel Radio 15640 v/s Raphael Kochanowski. Addr: P.O. Box 1082, ISR-91010 Jerusalem. Radio Taipei International 7315 via Issoudun Addr: 55 Pei-An Road, Taipei, Taiwan. Radio Africa One 15475 via Moyabi v/s Jean Felix Ngawin Ngong, Chief Engineer. Addr: Boite Postale 1, Libreville, Gabon. Radio Hara 4875 v/s Zourab Shengelia. Addr: 52 Rustaveli Avenue, Apt. 211-212, Tbilisi 380008, Georgia. Friedenstimme Mission Radio 15525. v/s N. Berg. Addr: P.O. Box 10 06 38, DE-51606, Gummersbach, Germany. IBRA Radio 9740 via Julich Addr: SE-141 99 Stockholm, Sweden...Via PLAY DX



(Barto). WYFR-2 11750 via Julich DTK ltr. w/ schedule in 5 wks. The Overcomer Ministry 9770 via Julich DTK ltr. in 5 wks. (Barto). Swiss Radio International 9755 and 11810 via Julich DTK ltr. in 5 wks. (Barto-CT).

Radio Vlaanderen International 5985 via Julich DTK ltr. in 5 wks. (Barto). RTBF Radio International 17570 via Julich DTK ltr. in 7 wks. (Barto-CT). Russian International Radio 5990 via Julich DTK ltr. in 5 wks. (Barto). IBRA Radio 15775 via Julich DTK ltr. in 5 wks. (Barto).



KOL ISRAEL
External Service
P.O.B. 1082
91 010 Jerusalem, Israel

QSL

THANK YOU FOR YOUR RECEPTION REPORT
NOUS VOUS REMERCIONS POUR VOTRE RAPPORT D'ECOUTE
AGRADEMOS SU INFORME DE RECEPCION

1730 kHz Date/dia 11 Dec 97 / 1120 GMT

YOUR REPORT HAS BEEN CHECKED AND AGREES WITH OUR LOG
VOTRE RAPPORT A ETE VERIFIE ET TROUVE CONFORME A NOS SPECIFICATIONS
SU INFORME HA SIDO VERIFICADO Y COCERDA CON NUESTROS DETALLES



via Barbour

DIRECTION GENERALE DE TELEDIFFUSION DU CONGO
Direction des Mesures, de l'Inspection Technique des Réseaux et de
la Qualité des Services
Ct. 2912 W. 00242 538-26-63
Brazzaville CONGO

CARTE

QSL

N° 237/HCRP/86-TSC

Hrvatska Radio / Voice of Croatia 7285 via Wertachtal ltr. in 5 wks. (Barto). Radio Taiwan International 6120 via Julich DTK ltr. in 5 wks. (Barto-CT). ltr. in 2 mos. v/s Walter Brodowsky. Also rcvd. schedule. (Field-MI). Minivan Radio 13855 via Julich DTK f/d ltr. w/ verie statement in 6 wks. (Barto-CT). Freie Volksmission Krefeld / Free People's Mission 13820 via Julich DTK f/d ltr. in 3 wks. v/s Peter Vitsek, Technical Department. (Barto-CT).

GERMANY (East): Bible Voice Broadcasting Network 9470 via

Nauen ltr. in 5 wks. (Barto-CT).

GOA: All India Radio 11715 via Panaji the station verified my e-mail rpt.

STATION NOTES: Radio Nepal 5005 Addr: Singa Durbar, Katmandu. Federal Radio Corporation of Nigeria 4770 via Kaduna v/s Shemu A. Muhammad, Chief Engineer Technical. Addr: PO Box 250, Kaduna. KFBS 11580 v/s Mrs. Irene Gabbie, QSL Secretary. Addr: PO Box 209, Saipan, MP 96950

TELEDIFFUSION DU CONGO

TDC

DIRECTION GENERALE
Tél./ (00242) 538 26 63
B.P. 2912
Brazzaville
REPUBLIQUE DU CONGO

Brazzaville 18 novembre 2004

Le directeur administratif
et financier

A

Monsieur Scott R. Barbour Jr

Cher monsieur,

Nous vous remercions de cette attention particulière que vous accordez à notre Radio. Pour votre collection nous vous envoyons notre carte QSL. Notre direction générale est la seule habilitée à l'exploitation des émetteurs Ondes courtes et FM. Ici au Congo il fait actuellement chaud, la température varie entre 20 et 32 °C j'ose croire que chez vous il commence à faire froid, car vous vous préparez à l'arrivée de l'hiver. Nous sommes très intéressés de la façon que vous nous écrivez sans faute en français, et gardons l'espoir et l'assurance de vous lire encore dans les prochains jours.

Nous vous envoyons la carte QSL dûment signée pour vous permettre de prétendre à une ouverture d'une station radio privée. Nous vous informons par ailleurs que nos deux stations diffusent aux horaires et fréquences ci après.

- 6115 KHZ émetteur de 50 KW qui fonctionne à toute puissance de 50 KHZ de 6 heures à 8 heures 30 et de 17 heures à 20 heures 30 GMT
- 9610 KHZ. de 7 heures à 17 heures GMT
- 5985KHZ émetteur de 100KW qui fonctionne actuellement en puissance réduite de 50KW de 4 heures 30 à 7 heures et de 17 heures à 23 heures GMT.

Dans l'espoir de vous lire prochainement, recevez nos salutations distinguées.

Le directeur administratif et financier



Félix LOSSOMBO

Radio Pakistan the station is requesting reception reports for the EG service to: Frequency Management Cell, Broadcasting House, Islamabad, Pakistan. v/s Iftikhar Hussain Malik, Senior Broadcasting Engineer...via PLAY DX...Sam.

w/ a p/d e-mail reply in 4 ds. from S. Jayaraman, Superintending Engineer. (D'Angelo-PA).

GREECE: Filia Radio

7430 via Voice of Greece w/ "Athens, seen from Plaka, with Lycabettus in the background" cd. in 35 ds. Also rcvd. schedule and brochures. (D'Angelo). f/d "Prince of the Lillies" cd. w/ schedule in 2 mos. (Barto-CT).

GUATEMALA: Radio Verdad

4052 f/d "Templo" cd in 28 ds. for an EG rpt. Also rcvd. pen-nant, ink pen, program schedule, calendar, sticker and a receipt for the \$2.00. (Wilkins-MO).

AMPLITUD MODULADA
ONDA MEDIA ONDA CORTA TROPICAL
OCX 418 08Z 4P 3340 KHZ
750 KHZ BANDA 90m.
FRECUENCIA MODULADA 97.7 MHZ
TRES FRECUENCIAS UNA SOLA CALIDAD



UNA EMISORA AL SERVICIO DEL PAIS
CERRO DE PASCO
REGION ANDRES B. LAGOS
PERU

JAPAN: Radio Nikkei 3925 f/d cd.
w/ personal note in 1 mo
(Rhonda-OK).

KOREA, REPUBLIC OF:

* KBS World Radio 15575
f/d "Secret Garden"
cd. w/ schedule and
rpt. forms in 31 ds.
for \$1.00 (Brouillette).

MEXICO: XERTA Radio Trans-
continental de America,
S.A. de C.V. 4810 p/d
"Flags" cd. w/ a short
form ltr. in 76 ds. for a
SP rpt. and \$1.00. v/s Lic.
Ruben Castaneda Espindola,
Director General. (Brouillette
IL). f/d cd. w/ schedule in 1
mo. (Barto-CT).

MOROCCO: Voice of America 11875 cd.
in 6 wks. (Barto-CT). Radio Farda
9585 via Briech p/d "RFE/RL" cd.
w/o site in 32 ds. (Brouillette-IL).

NORWAY: Radio Afghanistan my rpt. and
* f/up for a 2003 reception was

STATION NOTES: IBRA Radio 9470 Addr: Se-141
99 Stockholm, Sweden. Nueva Vida Julich

6015 v/s Mark Thorsten Addr: P.F. 1380, D-57609 Altenkirchen, Germany. Swiss Radio International 13750 via DTK Nauen Addr: CH-3000, Berne 15, Switzerland. The Voice of Hope 9495 via Biblis Addr: P.O. Box 100, Simi Valley, CA 93062. Wonderful Words of Life Radio 9495 via The Voice of Hope v/s Major Pauline Elder, Audience Correspondence, Addr: The Salvation Army, 1424 Northeast Expressway, Atlanta, GA 30329-2088. The Voice of Russia 21515 via DTK Julich v/s Walter Brodowsky. Addr: DTK - Rundfunksende-
stelle Julich, Merscher Ho-
he D-52428 Julich, Germany.
...via Play DX...Sam.

answered w/ a ltr. from
Radio Norway stating that
they are no longer on
shortwave and have no
knowledge regarding any
Radio Afghanistan trans-
missions from their fa-
cilities. (Field-MI).

PERU: Radio Nuevo Amanecer
4655 my rpt. was returned
by the Peruvian PO and
they stated that the
address did not exist.
(Field-MI)...You're hav-
ing a run of bad luck
here...Sam. Radio Andina
6673 this report was also
returned by the PO. How
long will PWBR continue
to publish obsolete add-
resses? (Field-MI). Radio
Santa Monica 4965 cd. in
1 mo. for a SP rpt. v/s
Walter S. Farfa. My 120th
station from Peru. Con-
gratulations, you got
one!...Sam. (Field-MI).

SERBIA: International Radio
of Serbia and Montenegro

RADIO EZRA

Radio Outreach Project of the World Karate Movement
Blessed be Yahweh, the God of our fathers

-----Message from Radio Ezra <radioezra@nlworld.com> on Mon, 12 Jul 2004 10:28:49 -0100-----

To: Rdangelo1@aol.com,
rdangelo@gnu.com
Subject: RADIO EZRA QSL

Dear Sir/Madam

Thank you for sending your reception report to Radio Ezra. Once your report has been verified a QSL Certificate will be mailed to you. If you do not receive this within four weeks of receipt of this e-mail please contact the station again with your details and a replacement will be issued. Thank you.

John D. Hill (Station Owner)
http://www.radioezra.com
RADIO EZRA, PO Box 674, Stockton on Tees, TS18 3WR, UNITED KINGDOM
Fax: +44 1642 887546
info@radioezra.com



Station Announcement

"Blessed be Yahweh, the God of our fathers. You're tuned to Radio Ezra and you're listening to the Light of Israel radio broadcast"

Radio Ezra
PO Box 674
Stockton on Tees
TS18 3WR
UNITED KINGDOM



Ondas Médias - 720 KHz - 100Kw

Ondas Curtas - 49 m - 8.000 kHz
25 m - 11.785 kHz

RÁDIO GUAÍBA

Com muito prazer, confirmamos seu relato de recepção. Muito Obrigada.
Thank you for your report of reception. This confirm it.
Merci pour votre rapport de reception.
Si conferm, ringraziando, il rapporto di ricezione.
Gracias por su relato de recepción.



CORREIO DO POVO
RÁDIO GUAÍBA
TV 3 GUAÍBA
GUAÍBA FM 101.3

Pôrto Alegre, 30 de Dez. de 2003
Rádio Guaíba Ltda
Rua Caldas Júnior, 219
CEP: 90018-260 - Porto Alegre / RS
BRASIL

7200 and 9580 f/d "Listeners Club RSCG" cd. w/ sticker in 1 mo. (Barto-CT).

SAIPAN: KPBS 9465 f/d "Antenna / Rainbow" cd. in 29 ds. for \$1.00. Also rcvd. ltr., bumper sticker, schedule and religious brochures. (Wilkins).

TAIWAN: Radio Australia 11550 via Taipei f/d cd. in 3 mos. (Barto-CT). Radio Taiwan International 11665 via Tainan p/d cd. w/ schedule and stickers in 7 wks. (Barto-CT). 11640 via Kouhu p/d cd. w/ schedule and stickers in 7 wks. (Barto-CT). 11635 p/d cd

w/ schedule, sticker and a personal ltr. in 2 mos. (Barto-CT). 15465 via Paochung p/d cd. w/ schedule and sticker in 2½ mos. (Barto-CT). 11605 p/d cd. w/ schedule and sticker in 2 mos. (Barto-CT). 15465 via Paochung cd. w/ sticker in 3 mos. (Barto-CT). 9415 via Huwei p/d cd. in 2 mos. (Barto). 11605 via Tainan p/d cd. w/ schedule and stickers in 3 mos. (Barto). 7130 via Minhsiung p/d cd. w/ sticker in 3 mos. (Barto). 11940 via Huwei p/d cd. w/

STATION NOTES: Radio Bahrain 9745 Addr: Ministry of Information, Radio and Television Corporation, P.O. Box 194, Manama, Bahrain. WYFR 7350 via Minsk - Kalodziscy (Belarus) Addr: use Oakland, CA drop. Radio Free Syria 13650 v/s Walter Brodowsky. Addr: T-Systems International, Media Broadcasts Regional

Center, Shortwave Station Julich, Merscher Hohe, DE-52428 Julich, Germany...via PLAY DX.....Sam.



schedule and sticker in 3½ mos. (Barto). 11725 via Paochung p/d cd. w/ sticker in 3 mos. (Barto-CT). 7105 via Tamsui cd. w/ sticker in 7 wks. (Barto). 11635 via Paochung cd. in 2 mos. (Barto-CT).

THAILAND: BBC World Service 15310 via Nakhon Sawan f/d cd. in 44 ds. (Humenyk-ONT). Radio Liberty 9620 via Udorn Thani f/d ltr. in 15 ds. w/ information folders, stickers and a business cd. v/s David Walcutt, Broadcast Operations Liaison. (Humenyk-ONT). Voice of America 7130, 9770 and 7140 via Udorn Thani f/d "Riggers at Udorn" cd. in 41 ds. w/ VOA Program Guide, calendar and an AIDS promo flyer. (Humenyk-ONT). **TIBET:** Xizang People's Broadcasting Station 11951.4 f/d cd. in 2 mos. w/ schedule. (Barto-CT).

RADIO MONITORS INTERNATIONAL

INTERNATIONAL DX PROGRAM

Broadcast by

SRI LANKA BROADCASTING CORPORATION



kHz	kW	Location	Date 2004	Time UTC	Delayed Relay
7385	50	MIAMI FLORIDA US	APRIL 18	0730	WBRM

Dear Mr. SCOTT...BARBOR...
Thank you for your reception report which has been checked against our program log and is hereby verified as correct.

10419

ADRIAN M. PETERSON

QSL

QSL

TURKEY: Voice of Turkey

5960 f/d "Urfa-Balikli Lake" cd. along w/ 3 f/d "Bird Sanctuary" cds. in 32 ds. for 1 IRC. (Brouillette-IL).

USA: Naval Computer and Telecommunications

Station 5446.5 via Key West personal ltr. w/ very small QSL cd. in 2 wks. v/s David W. Flight, Technical Director. (Field-MI). Adventist World Radio 7385 via



RADIO RUSSIA

19/21, 5th Yamskogo Polia St.
Moscow 125040 Russia

Sri Lanka
Broadcasting
Corporation
via WRMI
f/d "WRMI
Radio Moni-
tors Inter-
national re-
printed" cd.
in 43 wks.
from v/s Dr.

Dear Scott

We are pleased to confirm your reception report dated 13.05.04
on the frequency of 4330 kHz at 10:05-10:19 UTC GMT.

Thank you for listening to our programmes!
Best wishes from Moscow!

* Adrian Peterson, DX Host. (Loudell-DE).
* KOA 25950 n/d personal ltr. in 44 ds.
from Jan Chadwell, PE (W7KKD), Chief
Engineer who talked about all the re-

ports they receive for their AM station. No mention of the HF Short-
wave transmitter. (D'Angelo-PA). **WWCR** 5070 f/d "World Photo" cd. in 6
wks. for ms. v/s Mildred Mendenhall. (Loudell-DE). **Radio Free Asia**
11590 and 13625 replied in under 2 hours for a rpt. to its automated
QSL page indicating that a cd. will be mailed as soon as they are
printed. It should be the Winter SWL Fest cd. (D'Angelo-PA).
WBCQ 9335 f/d "The Planet" cd. in 16 ds. (Humenyk-ONT).
WEWN 13615 f/d "Globe" cd. in 169 ds. v/s
Shirley Adaway. (Humenyk-ONT). **WRMI**
Radio Miami International 9955 f/d



STATION NOTES: **Radio Bamako** 4835 Addr: PO Box
171, Bamako, Mali. **Radio Huayacocotla** 2390
v/s Pedro Ruperto Albino. **XERTA Radio Transcontinental** 4810 Addr:
XERTA, Plaza San Juan N5, Despacho 2, Colonia Centro Historico, CP-
06000, Mexico DF, Mexico. **Radio Pridnestrovya** 5960 v/s Vlad Butuk,
Technical Service Engineer. Addr: Ul. Rozy Lyuksemburg 10, MOL-3300
Tiraspol, Moldavia **Radio Ezra** 7560 v/s John D. Hill, General Manager.
Addr: PO Box 16, Stockton on Trent, TS 18 3GN, England. **Radio Seagull**
9290 v/s Sietse Brouwer. Addr: PO Box 24, NL-8860 AA Harlingen, Neth-
erlands....via PLAY DX.

"EDXC Special QSL" cd.
in 16 ds. w/ newsltr.
(Humenyk). **Voice of
Greece** 17705 via **VOA**
Delano 17705 f/d cd.
of "Athens as seen
from Plaka" in 18 ds.
(Humenyk). **Radio Tai-
wan International**
9690 and 11720 via
WYFR p/d cd. in 7 wks
(Barto-CT). 9680 via
WYFR f/d "Dish with
Decor of a Mother in-
structing her Son" cd
in 33 ds. Also rcvd.
station schedule, re-
port forms and a news
letter. (Humenyk-ONT).
**Radio Six Internatio-
nal** 7415 via **WBCQ** f/d
cd. in 1 mo. w/ pro-
gram schedule. My re-
ply came from the
address in Scotland.
(Field-MI).

**USA (Pirates): Under-
cover Radio** 6925
300 watts. f/d cd.
w/ station informa-
tion and a CD in 29

CERTIFICADO DE RECEPCION

En Base Esperanza, Antártica Argentina a los 26 días del mes
de Octubre de 2004, por la presente certifico que, la estación receptora perteneciente a
SCOTT R. BARBOUR ha brindado testimonio de la escucha de nuestra emisora "LRA 36 Arcángel San Gabriel", del programa "63° Latitud Sur".

Asimismo, hago propicia la ocasión para agradecer vuestro
contacto e invitarlo a seguir escuchando nuestra emisión en la frecuencia de 15.476
Khz, de lunes a viernes, de 18:00 a 21:00 UTC.

Nuestra dirección electrónica: lra36@infovia.com.ar
Nuestros teléfonos: 0810-222-0770 (desde nuestro país)
00(54) 297-444-5304/09/14/19 (desde el exterior)

ESTACION RECEPTORA		ESTACION EMISORA	
Fecha			
Frecuencia		15.476 Khz	
Hora UTC		18:00 a 21:00	
Equipo		CCA - 10 Kwz	
SINPO			
Antena		Rómbica de tres planos línea abierta	
Operador		Sargento Ayudante Mario GALLARDO	
Locutoras		Sra Yolanda SOTOMAYOR, Sra Gabriela SANTIANO	

Base Esperanza fue fundada el 17 de Diciembre de 1952,
ubicada en Bahía Esperanza, tiene las características de una pequeña aldea polar, aquí
invernan año tras año, familias con sus niños, contando con una escuela, la única en el
continente antártico.

En caso de desear más información, por favor solicitarla por
correo electrónico a la dirección anteriormente mencionada.

Sin otro particular me despido de Usted.

Atentamente,

NESTOR ARGUELLO
Director LRA 36



This card acknowledges the receipt of a broadcast delivered by **Commando Solo II** during **Operation Enduring Freedom**. Thank you for your support of the **193rd Special Operations Wing**.



ds. w/ \$2.00. v/s Dr. Benway. Addr: P.O. Box 293, Merlin NOP 1WO, Ontario, Canada (Wood-TN). **Ann Hoffer Radio 6925** f/d "Live Broadcast" cd. in 5 ds. for posting a report on the Free Radio Network. The QSL was mailed from Canada. (Barbour-NH).

UZBEKISTAN: Radio Tashkent 9715 the station verified my USPO report w/ an e-mail reply

from the "Correspondence Section" (ino@uzpak.uz) in 47 ds. w/ current frequency and program schedules attached. (D'Angelo-PA).

VATICAN CITY: Radio Vatican 13765 and 15235 via Santa Maria Di Galeria f/d "Transmission Center" cd. in 18 ds. (Humenyk-ONT). 12055 and 9650 f/d "Rotating Antenna: cd. in 31

STATION NOTES: Q-103 via Latvia Addr: Q-103 Germany, P.B. 2702, NL-6049 ZG Herten, Netherlands **Radio Joystick 9290 via Latvia** v/s Charlie Prince Addr: P.O. Box 100812, DE-45408 Muelheim, AM Ruhr, Germany **Radio Marilyn International 6218.6 v/s DJ Magni** Addr: Via Della Dozza 14, 40128 Bologna, Italy...via PLAY DX...Sam.

ds. (Humenyk-ONT). 9645, 9660, 11625 and 13765 f/d "The Two Satellite Earth Stations" cd. in 65 ds. via the EAWRC-EU Contest. (Humenyk-ONT).

* **Voice of Russia 9765 via Santa Maria Di Galeria** f/d "Moscow - Kosmos Hotel" cd. in 58 ds (Humenyk-ONT).



Not too bad. Just one page short of a full QSL Column. More interesting reports for next month. See you then....Sam.

Dr. Édgar Amílcar Madrid Morales
Estación Educativa Evangélica "Radio Verdad"

Apartado N° 5, Chiquimula, Guatemala, C.A.
Tel. house: 9-420-362; Tel. office: 9-425-689

December 29th year 2000.

George Glotzbach
5 Herrada CT,
Santa Fe, New Mexico 87505-8791
EE. UU.

Dear George

Thank you so very much for your report, the coupon and \$2 I am very much interested in your reports, as we are just beginning and trying to improve.

We went on the air on February 25th, and everything was at first a great success. I've received several cassettes with a recording of our signal, and the signal is fair, with about 25% static noise. I've received reports already from Guatemala, Belize, El Salvador, The United States of America (nine different states), Canada (four different states), Cuba, Dominican Republic, Colombia, Peru, Chile, Argentina, Italy, Spain, Germany, Sweden, Japan, Australia, India and South Africa.

Scoreboard

Gary R. Neal • 4866 N. Wyndham Rd. • Wichita, KS 67219-5501 • grneal@earthlink.net

This month we are highlighting our members' totals from South America. This is your chance to show everyone how well you are doing. The next deadline is August 15th for the September 2005 issue of the *Journal*. The spotlight will be on Oceania.

Name, State	Total		S. America		Best South American QSL
	c/H	c/v	c/H	c/v	
Marlin Field, MI	244	244	15	15	R. Apintie 4794 kHz (50 w.)
Jerry Berg, MA	244	244	15	15	R. Triunfal Evangelica (50 w.)
Tom Williamson, ON	243	230	15	15	Falkland Is.
John Sgrulletta, NY	240	240			
Steven R. Lare, MI	235	216	15	15	Falkland Is.
Harold Cones, VA	234	232	15	15	HCJB (100 w.)
Rich D'Angelo, PA	225	223	15	14	La Voz de Galapagos
Chris Lobdell, MA	224	221	15	15	FIBS - Falkland Is.
Sheryl Paszkiewicz, WI	224	218	15	15	Falkland Is.
Jerry Klinck, NY	220	202	13	13	R. Naylamp
Paul Buer, FL	218	207	14	14	R. Apintie (50 w.)
Dan Robinson, MD	217	205			
Ron Howard, CA	212	200	15	15	R. Patagonia
Jerry Johnston, KY	209	139	15	13	R. Apintie (50w.)
George Maroti, NY	204	195	13	13	R. America, Paraguay
Stephen Price, VA	193	174	12	11	R. Apintie
Ross Comeau, MA	192	168	13	13	R. Apintie
Allan R. Loudell	192	167	12	11	SRS & R. Apintie, Surinam
James R. Renfrew, NY	187	156	14	13	BRBS Falkland Is.
Gary W. Froemming, AZ	184	44	15	4	CBV Time Station, Chile
Bob Raymond, NH	175	150	13	9	R. Santa Cruz, Bolivia
Scott R. Barbour, NH	161	108	12	6	VO Guyana
George L. Glotzbach, MN	154	136	11	10	R. Cancão Nova, Brazil
Scott C. Newman, IN	148	113	13	11	R. El Espectador, Uruguay
Jilly Dybka, TN	145	108	11	10	R. Rumbos
David Turnick	140	120			
Paul Brouillette, IL	141	118	12	11	R. Guetapuri, Colombia
Edward G. Stroh, IL	135	104	11	6	RAE, Argentina
Gary R. Neal, KS	134	123	11	10	HCJB 21455 kHz (500 w.)
John Mosman, WI	120	120			
Richard Lawrenson, RI	116	110	11	10	R Demerara, Br. Guiana
Jerry Ervine, TX	110	60			

"For Sale" and "Want" ads are printed free of charge in the *Journal* when space allows. Send all ads to NASWA, 45 Wildflower Road, Levittown, PA 19057. This is also the address for renewals, address changes, missing or damaged *Journals*, etc. Please send loggings to the Distributing Editor and musings to the NASWA Notes editor. Otherwise you'll run into a delay.

Contributors' Page

Bob Montgomery • P.O. Box 1458 • Levittown, PA 19058 • RMonty23@netzero.net

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA	NRD-545 AOR AR-7030 100' LW
Ray BAUERNHUBER, Whitestone, NY	Sony 2010, 23' vertical antenna
Jerry BERG, Lexington, MA	R8A 165' LW
Bill BERGADANO, Freehold, NJ	Icom 718, 170' tuned inverted L
Mike BRANCO, Islip, NY	No equipment listed
Eric BUENEMAN, Hazelwood, MO	ATS803S, MFJ-1778, G5RV, MFJ956 tuners
Lawrence BULK, Mullica Hill, NJ	AOR AR-7030 Plus, Wellbrook ALA 33S
George CARAS, Saco, ME	RX340, R8B, Orion, R30, SE3, 550lw, verticals
Jim CLAR, Rochester, NY	R8, Eavesdropper dipole, Palomar loop
Rich D'ANGELO, Wyomissing, PA	TenTec R340, Lowe HF-150, DX Sloper
Tim DAVISSON, Norton, OH	No equipment listed
Mickey DELMAGE, Sherwood Park, AB	Collins HF-2050
Jim EVANS, Germantown, TN	RX340, R8B, 30 m wire, AN-LP1
Marlin FIELD, Hillsdale, MI	NRD535D, Eavesdropper ant
John FIGLIOZZI, Clifton Park, NY	R8A, HF150 w/sloper
Bob FRASER, Belfast, ME	Sony ICF-2003 ICF-SW100S 2m LW
Ron HOWARD, Monterey, CA	NRD545, LW 160'
William MCGUIRE, Cheverly, MD	DX-380
Bob MONTGOMERY, Levittown, PA	NRD535D, R390A, RX320, HF150, SE3, T2FD,
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Jim RONDA, Tulsa, OK	FRG-100B, FRG-7, Eavesdropper
David TURNICK, Sinking Spring, PA	NRD-545, Alpha Delta sloper
Joe WOOD, Gray, TN	DX-390, Grundig Mini 100 PE, whip antenna

Hardware Bits by Alan Johnson


Sangean PS-100 Pillow Speaker—I enjoy drifting off to sleep while listening to the radio and the sleep timer feature included in many radios makes this quite convenient. Sometimes, however, your partner may not find your choice of programming (or static) conducive to sleep. Headphones or earplugs don't work very well unless you sleep on your back. I've been using the Sangean PS-100 pillow speaker for a couple of years now and I'm quite pleased with it. It is an oval shaped plastic enclosure measuring approximately 3.5 x 4 x 1 inches and includes a 7 feet cable terminated in a 3.5 millimeter (mini) stereo plug to connect to the radio's headphone output. The case slips unobtrusively under your pillow. There is a three position slide switch on the side of the case which is supposed to alter the tonal response but doesn't seem to have much effect, except for one position which shuts the speaker off completely. This is nice if you get tired of listening before you are asleep. The sound quality is quite good, even for music. It's available from Universal Radio for \$12.95, which is one of the lowest prices I found on a quick Google search. You can see it and get more information at: <http://www.rffun.com/catalog/speakers/0885.html>. I also found the SoftSpeaker Pillow Speaker at C. Crane on my Google search: <http://ccrane.com/soft-pillow-speaker-radio-accessory.aspx>. I don't have any experience with it, but it is supposed to be soft enough to go on top of your pillow instead of under it for better fidelity. Instead of hard plastic, it is covered with washable plush fabric. It sells for \$19.95. Universal's phone number is 800-431-3939 and C. Crane can be reached at 800-522-8863. Call for a catalog if you don't have Internet access.



Tropical Band Loggings

Dan Ferguson • 3660 Gold Side Circle, Apt 204 • Woodbridge, VA 22192 • troplogs@zerobeat.org

- 3185 UNID EE religion at 0039 on 4/28/05. (Davisson-OH)
- 3240 SWAZILAND *Trans World Radio* 0344-0348* 5/13, IS & ID; M in EE in passing: "You are tuned to the international voice of Trans World Radio." Repeated several times while alternating with the IS before ending at 0348. (D'Angelo-PA)
- 3250 HONDURAS R. *Luz y Vida* 0230-0257 w/ Sunday-only EE rel pgm produced by La Voz Evangelica; F-G 4/24 (Ronda-OK) 3249.7 Tentative, 0310-0325 SS rel talk in by man; 0315 slow mx selection. 0317 talk by M&W. Poor signal with heavy atmospheric noise. Fading up occasionally, but no ID heard. SINPO 24222. (Jim Evans, TN, 5/18)
- 3280 ECUADOR *LV del Napo* 0925 with SS talk; TC and ID @ 0931; F-G 5/20 (Ronda-OK)
- 3309.99 BOLIVIA R. *Mosoj Chaski* 0125-0202* 4/30 talk in Quechua; Andean mx, local rustic vocals. ID 0200. Weak, but readable. (Alexander-PA) 3310, 0036 5/17; W w/tlks in lang, tent ID, M in SS w/ments Bolivia & Cochabamba, apparent ads. Good. (Wood-MA)
- 3320 SOUTH AFRICA R. *Sondergrense* 0250-0313 with pop vocals, Afrikanns ancts; ID & brief nx @ 0300, then back to mx 0304 (5/20); better on 5/21 with classical mx and Afrikaans cmtry 0350; F-P (Ronda-OK)
- 3345 S.AFRICA *Channel Africa* 0355 with pop mx; EG ID @ 0400; fair in QRN 5/21 (Ronda-OK) 0334-0351 5/13, W interviewing M in EE, then ID, W vocal vocal selection. Nice ID 0342 by M ancr: "You are tuned to Channel Africa." Fair. (D'Angelo-PA)
- 3375 PERU R. *San Antonio* Callalli, 0050 5/17; M DJ w/TCs, ments Peru, more lively mx, ID, "Buenos Noches", more mx. Ute came up blocking most of signal. Fair. (Wood-MA)
- 4716.8 BOLIVIA R. *Yura Yura*, 0122 5/17 faint mx in background, then W ancr w/ID, more mx which faded under static. (Wood-MA)
- 4755 BRAZIL R. *Educação Rural* 0225-0246 PP talks & mx bridges; PP ID 0229; F-P in sweeper QRN 4/29 (Ronda-OK)
- 4775 SWAZILAND *TWR* 0445 EE rel px; poor 5/4. (Ronda-OK)
- 4780 DJIBOUTI *RTD* 0303-0321, 5/17, Arabic-?, continuous Call to Prayer, begging to slip under static by t/out. (Barbour-NH) *0300-0327+ s/on with local instl mx, then anmts in Vern. Koran at 0302. Vern talk at 0310. Horn of Africa mx at 0322. Poor-fair. (Alexander-Pa 4-24) FF talks by M poor but readable 0037-0045; still readable when checked @ 0052 and 0103; pop mx & FF ancts 0104 (Ronda-OK, 5/21)
- 4780 GUATEMALA R. *Cultural Coatan* 0200 SS ID & EZL LA mx; F-G 4/28 (Ronda-OK)
- 4783v MALI *RTV Malienne* 2330-0002* 5/7 lengthy FF discussion b/w 2 M, mx, ancr 2350 w/ talks b/w music until NA at 0000. Fair/Good. (Barbour-NH)
- 4800 GUATEMALA R. *Buenas Nuevas* (presumed) 0220-0335 5/12, non-stop mx pgmg; mainly soft vocals. Usually noted on 4799.8. Poor to fair signal. (D'Angelo-PA) 4799v 0109-0155 rel songs, muffled audio, lang ID impossible; sudden clear SS ID @ 0155 (Ronda-OK, 5/21) 4800, 1140 lively SS anmts & great wake-up mx; best early morning show on SW! F-G 4/25. (Ronda-OK)
- 4810v MEXICO *XERTA R. Transcontinental* 0242-0302 SS px on Mexican social problems, ID 0303; all in zipper QRM and increasing QRN; best on 4809; F-G 5/21 (Ronda-OK)
- 4826.5v PERU R. *Sicuaní?* 0230-0305+ TENTATIVE w/Andean mx. SS talk; rel recitations 0235. Constantly varying between 4826.45-4826.50. Poor-weak. (Alexander-PA 4-29)
- 4845 MAURITANIA R. *Mauritania* 0000 4/30 poor; AA chants, mx, tlk. (Bauernhuber-NY)
- 4845 UNID 0037 two M in FF phone interview. Assume Mauritania...very good signal. Couldn't positive ID. Abrupt s/off at 0100. (Davisson-OH)
- 4855.8 PERU R. *La Hora* Cusco, 0115 5/17 SS ballads, M ID & anmts, more ballads; fair. (Wood-MA)
- 4885 BRAZIL R. *Clube do Para* 0215-0225 PP pop vocals, ads, ID; F-P 5/5. (Ronda-OK)
- 4885 BRAZIL R. *Difusora Acreana* 0144-0217 5/12, Brazilian pop vocal followed by a man with "Radio Difusora" ID, jingles, ad string and a discussion by two men in PP. Fair. (D'Angelo-PA)
- 4899.16 PERU (TENT) R. *Huanta* 0905-0938 5/3; SS M b/w musical selections, Various ads/promos 0927, ancr over mx at 0930, W at 0935. No discernible ID noted. Poor/fair, noisy by 0930. (Barbour-NH)
- 4900.40 BOLIVIA R. *San Miguel* Riberalta 0120-0205* mostly constant SS talk by M&W. Some CP mx. IDs. Weak-poor but stable. (Alexander-PA 4-29)
- 4905.1 BRAZIL *Nossa Radio* 0235-0257* 5/4, non-stop soft rel vocals; M PP ancr 0255, ID & s/off anmts; off w/no NA; weak. (D'Angelo-PA)

- 4915 GHANA *GBC* 2248-2307 4/21, non-stop pop music program w/brief EE ID & anmts 2300. Excellent level until Brazilian started fading in around 2300. (D'Angelo-PA)
- 4930 BOTSWANA *VOA* 0445-0450 EE nx & pol. cmtry, quick ID; fair 5/4. (Ronda-OK)
- 4939.66 VENEZUELA *R. Amazonas* Pto Ayacucho; 0255-0311* SS talk. Romantic SS ballads, anmts, IDs. S/off w/NA. Fair-good. (Alexander-PA 4-29) 4939.7, 0220-0303* 5/11, M ancr w/SS talk followed by a Latin vocal. ID, ad string & SS anmts by man 0232, then long talk. ID & s/off anmts, choral NA 0301. Poor. (D'Angelo-PA) 4940v, 1009-1023 SS vcls, tlk, ments of Venezuela; ID 1020. I read this freq as 4939.50. 5/8. (Ronda-OK)
- 4955 PERU *R. Cultural Amauta*, 0218-0227* 5/14, M preaching in Quechoa, then seemingly close down anmts & ID by M&W ancr team in SS. Off w/no NA. Poor in static. (D'Angelo-PA)
- 4965 ZAMBIA *Christian Voice* 0047 fair-poor w/choral rel. mx struggling thru QRN; EE ID, anmts 0059-0100; gone by 0106; fair when rechecked 0330 w/EE preaching; F-P 5/21. (Ronda-OK) 0105-0119 5/1 EE mx px "Saturday Nite w/ Danny and Joanna", banter, "Voice" promos. Fair. (Barbour-NH)
- 4985 BRAZIL *R. Brasil Central* PP ballads 0337; PP singing ID @ 0339, all in mounting QRN; F-P 5/21. (Ronda-OK)
- 4990.1 SURINAME (TENT) *R. Apintie* 0238-0302 5/3; EE/Dutch, mx prg. featuring 80's era movie pop ballads. M in Dutch b/w selections. Whisper-quiet canned ID 0301, back to ballads. Fair w/static. (Barbour-NH)
- 4995.6 PERU *R. Andina* 0237-0306* 4/20, OA vocals followed by M&W SS talk, ID, anmts & more lively vocals. Anmts 0302, then song and plug pulled. Poor with very noisy conditions. (D'Angelo-PA)
- 5010 MADAGASCAR *R. Nationale Malagasy* 0316-0334 5/13, local vocal selection followed by talk in Malagasy. More music with some flutes and whistling. Talk by a woman. Poor to fair but beginning a raid fade out. (D'Angelo-PA)
- 5014.53 PERU *R. Altura* 0220-0340+ 4/29 SS talk. IDs, promos, ad string. Variety of OA folk mx, SS pops. Fair level but noisy conditions. (Alexander-PA)
- 5030 UNID EE religion...assume this is Costa Rica...0055 on 4/28/05. (Davidson-OH)
- 5030.04 BURKINA FASO *RTV Burkina* *0529-0615+ s/on with instl tune & into Afropops & indigenous mx. FF talk 0600. Fair to good level but mixing with G.Scott pgming. Both in at equal level, but Burkina Faso stronger than G.Scott at times. (Alexander-PA 4-8)
- 5544.66 PERU *R. San Andres* 0240-0321* OA folk mx. ID, SS talk. Abruptly pulled plug 0321. Fair-good. (Alexander-PA 4-29)
- 5580 BOLIVIA (TENT) *R. San Jose* 0042-0107 4/26 SS, continuous Quecha music, ancr at 0100 thru t/out. Poor w/ occasional USB chatter. (Barbour-NH) 

WELCOME TO THE FOLLOWING NEW MEMBERS

MIKE COVEY, Chalfont, PA
 LEE R. WICAL, Kaneohe, HI
 TOM BAKEWELL, Reno, NV
 DON VINCENT, Deptford, NJ
 TIM TALLEY, Forest Park, GA
 VINCENT YUCAS, Quincy, MA
 ROGER L. DRUCK, Covington, KY
 GILBERT SAUNDERS, Bowie, MD
 RONALD P. BRODEUR, Warwick, RI
 MARK G. LITTLEFIELD, Kenmore, NY

WANTED: Hammarlund SP-600. If you have one for sale, please write to Jon M. Bevilacqua, 81-25 Surrey Place, Jamaica Estates, Queens, NY 11432-1434

International Band Loggings

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

- 5925 **SOUTH AFRICA R France Int** relay via Meyerton in FR 0312, interview w/the Canadian ambassador, beamed to Africa, fair (Turnick PA 4/30)
- 5970 **BELARUS R Belarus** Minsk in EG *0200, IS, multi-lang ID sequence, sked, local ballads, poor w/lots of splatter, // 7210 w/weaker signal (Alexander PA 4/16)
- 6045 **CHINA Nei Memggu PBS** provincial service via Hohhot in CH 1535-1604*, YL/OM in tlks, pips 1600 then 4 minutes of slow melodius mx followed by ID at s/off, f-g w/clear channel (Treibel WA 5/7)
- 6080 **SINGAPORE RST** in EG 1340, pgm re women wear, movies etc., TC, ID, nx, f (Delmage AB 4/17)
- 6100 **CANADA Deut Welle** relay in GM 0100, IS, ID, national nx, ment of Iraq, g (McGuire MD 4/8)
- 6115 **ALBANIA R Tirana** in Albanian 2326, piano mx, vcls w/Balkan flavor, ID 2330, g (Wood TN 5/14) in EG 0244, mx pgm "Music Across Albania", incredibly strong signal (Bergadano NJ 5/16)
- 61398 **COLOMBIA R Lider** relay via R Melodia in SP 0210-0300+, tlks, ID's, phone discussions, SP ballads and pop mx rx, strong sig w/some QRM (Alexander PA 4/16) in SP 0620, soft Latin mx, Lider ID after each song, full ID's toh/boh, ment "AM Stereo 730", nice signal (Delmage AB 4/17)
- 6140 **TURKEY V of Turkey** in EG 0334, YL w/mx pgm ruined by co-chan het, tlks re friends, sounded like a rebroadcast of an earlier xmsn on 9830 at 2230 (Montgomery PA 4/25)
- 6190 **NETHERLANDS ANTILLES R Nederland** relay via Bonaire in SP *0300, bell chimes IS, pips, ID, frequency, schedule, national nx, good (McGuire MD 4/1)
- 6940 **ETHIOPIA R Fana** Addis Ababa in Amheric 0315, tlks, ID, Horn of Africa vcls, flutes, nx pgm w/lots of flute segments b/w items, poor, //6209.9 poor-fair (D'Angelo PA 4/22)
- 7110 **ETHIOPIA R Ethiopia** Addis Ababa in Amheric *0259-0400, Horn of Africa type and pop mx, ancmts ID, nx?, p-f, //9704 no better (Alexander PA 4/8, Ronda OK 5/14, D'Angelo PA 5/4, Caras ME 4/19)
- 7120 **SOUTH AFRICA BBC** relay via Meyerton in EG *0257-0402, African nx, ID, "World Today" feature w/big focus on the "Save the Children" pgm, good (Turnick PA 4/24, Caras ME 5/5)
- 7120 **ALBANIA R Tirana** in EG *2130, pgm hi-lites at s/on, Albanian nx re EU integration, "Our Calendar" feature re May Day celebrations, cmntry re July elections, local mx, f/with QRM (Barbour NH 5/2)
- 7125 **RUSSIA V of Russia** relay via Armavir in RS 0230, disco mx, tlk, nx at toh, g (Bauernhuber NY 4/17)
- 7190 **TUNISIA RTT** Sfax in AR 0307, organ mx, checked internet live feed vs. SW; webcast was 10 secs behind on the audio, seemed like they were taking the feed off a cheap receiver (Bergadano NJ 5/1)
- 7260 **EGYPT R Cairo** in EG *0200, ID, fqys, special pgm on the Prophet Muhammad, xsmn clear of ham traffic until 0228 at which time QRM became fierce (Ronda OK 4/21)
- 7285 **ALBANIA R China Int** relay in EG 2030, "This is China" feature re small businesses in China, good, //5960 also via Albania and good level (Fraser ME 4/19)
- 7295 **MALAYSIA RM-Radio 4** in EG 1431-1448, pgm of oldies C&W songs and yodeling, acknowledged an e-mail from listener in San Diego, TC "10:42 in Malaysia", fair (Howard CA 4/24)
- 7440 **UKRAINE RUI** Simferopol in EG 0048, local mx, ID, mailbag pgm, address, phone, fax, and e-mail addresses, "Have a nice weekend and so long" at 0053, back to mx, exc (Montgomery PA 4/17) in EG 2300 with "Ukraine Diary", memorial tribute to WWII vets, DX pgm, f-g (Branco NY)
- 9425 **INDIA AIR Home Service** Bangalore in EG 1547, end of "Spotlight" pgm and into BBC science pgm, ID "This is the National Channel of All India Radio" (Howard CA 4/23)
- 9495 **IRAN V of Justice** Kamalabad in EG *0130-0230, IDs, fqys, Koran, nx, political cmntry, anti-USA rhetoric, lite instrum'l mx, "elevator type" mx, //11875 (Alexander PA, Bulk NJ)
- 9575 **MOROCCO Radio Medi Un** Nador in AR 2331, ME mx, vocals, QRM Budapest, f (Wood TN 5/14)
- 9580 **AUSTRALIA R Australia** in EG 1120, Aboriginal artists get own gallery, good (Fraser ME 4/19)
- 9580 **BOSNIA R of Serbia & Montenegro** relay via Bijeljina in EG 2358, xmsn to NA, nx, features, several IDs and mx breaks, not often hrd in Oklahoma (Ronda OK 4/18)
- 9580 **GABON Africa #1** in FR 2144, exceptional mx, ancmts, ID, 5 pips at toh and ID again, nx read by OM, exceptional reception and audio quality (Montgomery PA 4/24)
- 9630 **SEYCHELLES BBC** relay in EG 1955, rpt on changes made by Pope John Paul II to papal elections process, IDs, promos, pips at toh, TC, nx, poor w/adjacent QRM (Clar NY 4/18)
- 9700 **BULGARIA R Bulgaria** in EE *2300, s/on with nx, wx, other features, //11700 (Davisson OH 4/22)

- 9720 TUNISIA RTTV Sfax in AR 0110, talks, AR mx, two IDs, fair (Ronda OK 5/14)
- 97369 PARAGUAY R *Nacional* Asuncion in SP 2323, excited OM w/sports rpt, ID, audio clips from sports events, good with some fading (Evans TN 4/23) in SP 2339, lively LA mx similar to Mariachi w/ guitars and accordions featured, pips, ID, fair (Wood TN 5/14) in SP 0215-0330+, SP ballads and ancmts, ID, f-p w/adj channel splatter (Alexander PA 4/15) in SP 0302, nx in SP, ID 0310, into lively LA vocals, fair w/QRM from Deut Welle on 9735 (D'Angelo PA 4/21)
- 9775 ARMENIA V of Armenia Yerevan in GM/EG 1820-1845*, end of GM service 1825 and into EG, fqy, sked, nx, cmntry re anniversary of Armenian genocide, vocal, ID at s/off, fair (Barbour NH 4/25)
- 97797 YEMEN R *Yemen* Sanaa in AR 2134, ID?, performing almost continuous AR mx, weak audio but signal at S-9 w/some fades, abrupt s/off 2140 (Montgomery PA 4/24)
- 9815 BOTSWANA VOA relay in FR/EG 2121, nx, NBA scores, soundbites of Condeleeza Rice and G. Bush ID in EG and s/off ancmts at 2130, f-g (Barbour NH 5/2)
- 9820 CUBA RHC Havana in EG 0100, world nx, Palestinian election results, corruption and poverty, inspection of Iranian nuclear sites, strong signal (Br nco NY 5/7)
- 9830 TURKEY V of Turkey in EG 2234, mostly mx pgm, YL talking about friends, song abt friendship in TK lang, exc reception 20 db over S-9 (Montgomery PA 4/24) in EG 2245 w/feature titled "Turkey A Health Spa", good signal (Fraser ME 4/12)
- 9855 KUWAIT R *Kuwait* in AR 2307, relaxing mx, YK w/echo to voice -probably audio system they are using, comments during tunes, strong signal 30 db over S-9 (Montgomery PA 4/24)
- 9880 RUSSIA V of Russia relay via Armavir in EG 0319-0409, "Music and Musicians" pgm, nx at 0400, exc signal (Bergadano NJ 5/15)
- 11655 CHILE *Voz Cristiana* Santiago in SP 0318, relig pgm, nice LA mx, g (Turnick PA 5/12)
- 11655 MADAGASCAR R *Nederland* relay Flevo in EG 2010, "The Good Life", cmnts on info technology, nx, pips, TC, address, ID 2030, f (Wood TN 4/22) in EG 1845, feature on the Dutch Republic teaching the new USA to "avoid foreign entanglements", "Vox Humana", g (Fraser ME 4/17)
- 11675 RUSSIA V of Russia via Armavir relay in EG 1715, "Music and Musicians" featuring Prokofiev's compositions during World War II, good, //9480 poor and 9890 fair (Fraser ME 4/17)
- 117197V NORTH KOREA V of Korea Kujang in EG *1300, IS, ID, "news" re US aggression against N.Korea and Korean unification, fair w/QRM from KJES and Vatican (Barbour NH 5/9, Ronda OK 5/3)
- 11745 CHILE *Voz Cristiana* Santiago in PT 0335, religious pgm and mx, abrupt s/off 0358 (Caras ME 4/20)
- 11760 CUBA RHC Havana in EG 2005-2035, nx items re corruption in US projects in Iraq, ID, cmntry on Pope Benedict XVI (Wood TN 4/22, Bauernhuber NY 4/20)
- 11775 ANGUILLA *World University Network* in EG 20335-2050, preaching (on tape) by the late ubiquitous Dr. Gene Scott (Wood TN 4/22, Bauernhuber NY 4/27)
- 11800 ITALY RAI Rome in IT 0200, ID, national nx, rpt on Pope John II's funeral, g (McGuire MD 4/8)
- 11815 BRAZIL R *Brazil Central* Goiania in PT 0340, ID, pop mx and ballads, f-g, //4985 (Caras ME 4/20)
- 11840 RWANDA *Deut Welle* relay in GM 2210, nat'l/regional nx, ment Iraq & Sudan, ID (McGuire 4/21)
- 11870 COSTA RICA *World University Network* in EG 2042, flute mx, sermon by Dr Scott (Wood TN 4/22)
- 11925 BRAZIL R *Bandeirantes* São Paulo in PT 0340, ezl LA pop mx, pips, ID toh, f-g (Caras ME 4/20)
- 12005 ECUADOR HCJB Quito in EG 1215, tlks to students at Moody Bible Institute in Chicago (Field MI) in EG 1140, "Family Life Today", f (Fraser ME 4/13)
- 12005 TUNISIA RTV *Tunisienne* Sfax in AR 2038, tlks, AR mx, ID 2043, s/off 2058, f-g (Ronda OK 4/30)
- 12070 RUSSIA V of Russia Moscow in EG 2008, end of nx reporting on start of Papal election process, IDs, web address, promos, mx bridge, fair w/QRM and fading (Clar NY 4/18)
- 12140 KUWAIT VOA relay in EG/Dari 2350, Special EG pgm, "Science in the News" re history of polio vaccine, into Dari lang at 0000, brief nx then back to EG "Asia News Now", fair (Barbour NH 4/25)
- 13640 CHINA *China R Int* Kashi in EG 0150, ID, website, promos/jingles, f-g, //13600, g (Caras ME 4/29)
- 13695 INDIA AIR Bangalore in EG 1052, cmntry on trade and econ tlks b/w India/Pakistan, f (Clar NY 4/21)
- 13780 GERMANY *Deut Welle* Wertachtel in EG 2000, ID, rpt on earthquake in Indonesia, mention Congo, mailbag pgm (McGuire MD, Bergadano NJ)
- 151498 INDONESIA V of Indonesia Jakarta in EG 2016, cmntry, feature "Getting to Know Indonesia", ID, web info ancmt, YL tlking over instrum1 mx t/out, p-f, QRM from WYFR (Barbour NH 5/2)

- 15190 **EQUATORIAL GUINEA R Africa** Bata in EG 0617-0648, relig pgmg, poor at best due to co-channel QRM underneath from V of Greece(Delano)? (Howard CA 4/24) in EG 1500-2158*, relig pgming with "Word of Life", ID 1655, "Crying Out" pgm 1656, f-g (Alexander PA 4/15) in EG 1642-1742 with continuous relig pgming w/o bks or IDs, live fire and brimstone preacher 1703, p-f with wobbly audio and R Pilipinas bleeding thru at 1730 s/on (Barbour NH 4/25) in EG 2059, Dr Edgar Williams relig pgm, USA contact address, IDs (Wood TN 4/22) in EG 2038-2110, relig pgms, ID (Ronda OK 5/13) in EG 2140-2204, fundamentalist Christian relig tlk w/short mx sels at end, ID, Ghana mailing address and e-mail, audio clear for gospel segments but a bit muffled during closing ancmt, some distortion like tape playback slowing down, then snapping back to correct speed, f-g w/fades (Evans TN 4/24) in EG 2147, relig pgming w/OM sermon, 10 db over S-9 signal (Montgomery PA 4/24)
- 15190 **FRENCH GUIANA BBC** relay in EG 1347, cmntry on integrity of BBC news, vg (Wood TN 5/14)
- 15205 **RWANDA Deut Welle** relay Kigali in EG 2145, cmntry on role of Catholic church on life in general (Bauernhuber NY 4/20) in EG 2127, nx w/ment of Bonn, ID, g (Wood TN 4/22)
- 15225 **UNITED ARAB EMIRATES AWR** relay via Al Dabbiya in EG 1550, relig tlk, ID, f (Caras ME 5/1)
- 15275 **SAUDI ARABIA BSKSA** Riyadh in TK *0400, IS, ancmts, web address, Koran, vg (Delmage AB 5/1)
- 15365 **UNITED KINGDOM Korean BS** relay via Rampisham in AR 1935, lang lesson, f (Field MI 4/13)
- 15585 **CHILE Voz Cristiana** Santiago in SP 0200, ID, relig tlk, discussion of current media and broadcasting (Bauernhuber NY 4/30, Ronda OK 4/30)
- 15595 **VATICAN CITY Vatican Radio** in FR/EG 1610, tlk in FR to 1615, then into EG, many mentions of Pope Benedict XVI, f-p with QRM from KTBN Salt Lake City on 15590 (Bueneman MO 5/7)
- 15615 **FRANCE RFI** Issoudon in EG 1415, rpt on agricultural development protection for poor nations, good (Fraser ME 4/11)
- 15640 **ISRAEL V of Israel** Tel Aviv in EG 1900, nx, interviews, cmntry, most of bcst concerned with Russian Pres Putin's trip to Israel, fair signal with poor modulation (Bulk NJ)
- 17560 **SAUDI ARABIA BSKSA** Riyadh in AR 1710, chant or prayer, f-g, //13710, 15205 (Clar NY 4/23)
- 17595 **GERMANY Deut Welle** Wertachtel in EG 1623, tlk re aftermath of WW II, f-p (Bueneman MO 5/7)
- 17720 **AUSTRIA AWR** relay Moosbrunn in Urdu 1426, relig pgm, referenc to Africa, IS (Field MI 4/17)
- 17785 **MOROCCO VOA** relay in PT *1700, IS, ID, African service, regional nx, g (McGuire MD 4/21)
- 17825 **JAPAN R Japan** Tokyo in EG *2100, nx, prgm on current Asian pop mx, f w/fades (Ronda OK 5/7)
- 21600 **FRENCH GUIANA R Japan** relay in JP 1715, IDs, many ments Tokyo, promos/jingles (Clar NY 4/23)

Clandestine/Opposition Stations

- 7380 **SOUTH AFRICA V of Biafra Int.** relay via Meyerton in EG *2059-2159*, ID, fqy, local mx, relig mx and message, nx about corruption in Nigeria, poor w/QRN (Alexander PA 4/23) ED: Sat/Wed only
- 9430nf **GERMANY Gambia Democracy Project** relay via Juelich in EG *2000-2015*, test xmsn, interview re formation and mission of the Gambian Democratic Project, calliope-like mx during interview, then mx only until s/off of "quickie" xmsn, no ID given, fair signal (Berg MA, Barbour NH, Ronda OK 4/27)
- 12130 **RUSSIA R Horyaal** relay via Samara in Somali 1744-1759*, talks and sound bites by various annrcs b/w Horn of Africa musical bits, fair (Barbour NH 4/25)
- 15145 **UNITED KINGDOM SW Radio Africa** relay via Rampisham in EG 1648, long report on slaughter of cows and elephants during Zimbabwe Independence Day celebration, fair w/QRN (Clar NY 4/23)
- 15320 **MADAGASCAR R Nile** (Sudan) relay in EG 0429-0457*, nx about medical care in Sudan, Afro pops, pgm about econ development in Sudan, some tlk in Sudanese, good, //12060 (Alexander PA 4/10)
- 17870 **GERMANY R Rhino Int** (Uganda) relay via Juelich in EG *1500-1530*, nx abt Uganda politics, ID at 1513, Afro pop mx, weak signal w/QRN (Alexander PA 4/22)

As you'll see in the following pages, the English Schedule has finally returned. Many thanks to Mike Barraclough for taking over the job.

English Schedules

Mike Barraclough/WDXC • c/o Rich D'Angelo • 2215 Burkey Drive • Wyomissing, PA 19610
rdangelo3@aol.com

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

Thanks to the following for information used in this publication: Alan Roe, Andrea Borgino, Allen Dean, Alokesh Gupta, Ashik Eqbal Tokon, Andreas Volk, Bernd Trutenau, Bob Thomas, Daniel Sampson, Daniel Rosensweig, Eike Bierwirth, Edwin Southwell, Eric Zhou, Feodor Brazhnikov, Glenn Hauser, Ivo Ivanov, Jacek Symik John Babbis, John Norfolk, Jose Jacob, Mohammed Azizul Alam Al-Amin, Michael Beesley, Michael Murray, Richard Cuff, Roberto Scaglione, Rumen Pankov, Swopan Chakraborty, Thorsten Hallman, Wolfgang Bueschel, DX Listening Digest, Hard Core DX, Nagoya DX Circle

Relay sites: a= Antigua, b= Bonaire, c= Sackville Canada, d= Abu Dhabi, D= Delano, e= Espana(Spain), f= WYFR Florida, g= Montsineri Guiana, h= Havana, H= Horby Sweden, i= Ascension Island, j= Julich Germany, k= Kigali Rwanda, l= Sri Lanka, m= Moyabi Gabon, n= Meyerton RSA, o= Bamako Mali, p= Singapore, q= Cerrick/Flaake, Albania, r= Russia(various), s= Sines Portugal, S= Sottens Switzerland, t= Talata Madagascar, T= Tashkent u= Skelton/Rampisham UK, v= Taiwan, w= Werchatal Germany, x= Xian/Kashi China, y= Yamata Japan, z= Agat, Guam

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

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AWR AFRICA	1800-1830 Af	3215n 3345n 9590n(-1900)	
AWR AFRICA	2000-2100 Af	7175n	
KNLS ALASKA	0800-0900 FE	11870	
KNLS ALASKA	1000-1100 FE	9795	
KNLS ALASKA	1200-1300 FE	9615 9780	
KNLS ALASKA	1400-1500 FE	9795	
ALBANIA R TIRANA	0145-0200 NAm	6115 7160	Tuesday to Sunday
ALBANIA R TIRANA	0230-0300 NAm	6115 7160	Tuesday to Sunday
ALBANIA R TIRANA	1845-1900 Eu	6115 7210	Monday to Saturday
ALBANIA R TIRANA	2130-2200 Eu	7120	Monday to Saturday
R NACIONAL ANGOLA	2100-2200 Af	7217	
RAE ARGENTINA	0200-0300 NAm	11710	Tuesday to Saturday
RAE ARGENTINA	1800-1900 Eu	9690 15345	Monday to Friday
TWR ARMENIA	1610-1625 ME	5855	
VOICE OF ARMENIA	1825-1845 Eu ME	4810 9775	
AWR ABU DHABI	1200-1230 SAs	15135	
AWR ABU DHABI	1530-1600 SAs	15225	
HCJB AUSTRALIA	0000-0100 As	15525 (Saturday and Sunday 2230-0100)	
HCJB AUSTRALIA	0100-0230 As	15560 (-0300 Sunday)	
HCJB AUSTRALIA	0700-1000 PA	11750	
HCJB AUSTRALIA	1100-1300 As	15425	
HCJB AUSTRALIA	1230-1300 As	15405 also 1330-1400 Sundays	
HCJB AUSTRALIA	1430-1600 As	15390	
RADIO AUSTRALIA	0000-0100 As Pa	9660 12080 13630 15240 15415> 17715 17750 17775 17795	
RADIO AUSTRALIA	0100-0200 As Pa	9660 12080 13630 15240 15415 17715 17750 <17775 17795	
RADIO AUSTRALIA	0200-0400 As Pa	9660 12080 13630 15240 15415 15515 17750 21725	
RADIO AUSTRALIA	0400-0500 As Pa	9660 12080 13630 15240 15415> 15515 17750 21725	
RADIO AUSTRALIA	0500-0600 As Pa	9660 12080 13630 15160 15240 15415> 15515 17750	
RADIO AUSTRALIA	0600-0700 As Pa	9660 12080 13630 15160 15240 15415 15515 17750	
RADIO AUSTRALIA	0700-0800 As Pa	9660 12080 13630 15160 15240 15415 17750	
RADIO AUSTRALIA	0800-0900 As Pa	5995 9580 9590 9710 12080 13630 15240v 15415> 17750	
RADIO AUSTRALIA	0900-1000 As Pa	9580 9590 11880 15240v 15415>	

RADIO AUSTRALIA	1000-1100 As Pa	9580 9590 11880 15240v 15415
RADIO AUSTRALIA	1100-1200 As Pa	5995 6020 9475 9560 9580 9590 11880 12080 <15240v
RADIO AUSTRALIA	1200-1300 As Pa	5995 6020 9475 9560 9580 9590 11880
RADIO AUSTRALIA	1300-1400 As Pa	5995 6020 9560 9580 9590
RADIO AUSTRALIA	1400-1500 As Pa	5995 6080 7240 9475> 9590 9625 11660>
RADIO AUSTRALIA	1500-1600 As Pa	5995 6080 7240 9475 9590 9625 11660
RADIO AUSTRALIA	1600-1700 As Pa	5995 6080 7240 9475 9710 11660
RADIO AUSTRALIA	1700-1800 As Pa	5995 6080 9475 9580 9710 11880
RADIO AUSTRALIA	1800-1900 As Pa	6080 7240 9475 9580 9710 11880
RADIO AUSTRALIA	1900-2000 As Pa	6080 7240 9500 9580 9710 11880
RADIO AUSTRALIA	2000-2100 As Pa	6080* 7240* 9500 11650 11660 11880 12080 (* Sat/Sun only)
RADIO AUSTRALIA	2100-2200 As Pa	9660 11650 11660 <11695 12080 13630 15515
RADIO AUSTRALIA	2200-2300 As Pa	13620 13630 15230 15240v 15515 21740
RADIO AUSTRALIA	2300-0000 As Pa	9660 12080 13620 13630 15230 <15240v 15415> 17750> 17795 21740

Radio Australia sports service is broadcast Saturdays and Sundays 0100-0700 on 9660 12080 15240 17750

VOICE INT AUSTRALIA	0100-0300 As	7355 Tashkent
VOICE INT AUSTRALIA	0300-0600 As	13685
VOICE INT AUSTRALIA	0600-0900 As	15335
VOICE INT AUSTRALIA	0900-1000 As	11955
VOICE INT AUSTRALIA	1000-1100 As	11955 13685
VOICE INT AUSTRALIA	1100-1400 As	13635 13685
VOICE INT AUSTRALIA	1400-1800 As	13635 15025

AWR AUSTRIA	0200-0230 SAs	9895
AWR AUSTRIA	1800-1830 EAF	15280 Wednesday and Friday
AWR AUSTRIA	2100-2200 WAF	9715

Weekday schedule:

RADIO AUSTRIA INT	0043-0058 SAm	9870	Tuesday to Saturday
RADIO AUSTRIA INT	0113-0130 CAm	9870	Tuesday to Saturday
RADIO AUSTRIA INT	0143-0158 NAm	9870	Tuesday to Saturday
RADIO AUSTRIA INT	1205-1220 As Au	17715	Monday
RADIO AUSTRIA INT	1215-1230 As Au	17715	Tuesday to Friday
RADIO AUSTRIA INT	1245-1300 As Au	17715	Monday to Friday
RADIO AUSTRIA INT	1205-1220 Eu	6155 13730	Monday
RADIO AUSTRIA INT	1245-1300 Eu	6155 13730	Tuesday to Friday
RADIO AUSTRIA INT	1505-1520 NAm	13775c	Monday
RADIO AUSTRIA INT	1515-1530 NAm	13775c	Tuesday to Friday
RADIO AUSTRIA INT	1545-1600 NAm	13775c	Monday to Friday

Weekend schedule:

RADIO AUSTRIA INT	0035-0100 SAm	9870	Sunday and Monday
RADIO AUSTRIA INT	0105-0130 CAm	9870	Sunday and Monday
RADIO AUSTRIA INT	0133-0200 NAm	9870	Sunday and Monday
RADIO AUSTRIA INT	0505-0530 ME	17870	repeated at 0535-0600 Sunday
RADIO AUSTRIA INT	1205-1230 Eu	6155 13730	repeated at 1235-1300 Saturday and Sunday
RADIO AUSTRIA INT	1205-1230 As Au	17715	repeated at 1235-1300 Saturday and Sunday
RADIO AUSTRIA INT	1505-1530 NAm	13775c	repeated at 1535-1600 Saturday and Sunday

The station also has a short English news bulletin to Europe at 0609 on 6155.

VOICE OF AZERBAIJAN	1700-1730 ME	6110
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RADIO BANGLADESH	1230-1300 As	7185
RADIO BANGLADESH	1745-1900 Eu	7185

BELARUS RADIO MINSK	0200-0230 NAm	5970 7210	Monday, Tuesday, Wednesday, Friday, Saturday
BELARUS RADIO MINSK	0230-0300 NAm	5970 7210	Sunday
BELARUS RADIO MINSK	1930-2000 Eu	1170 7105 7280	Monday, Tuesday, Thursday, Friday
BELARUS RADIO MINSK	2100-2130 Eu	1170 7105 7280	Sunday

RADIO BULGARIA	0200-0300 NAm	9700 11700
RADIO BULGARIA	0630-0700 Eu	11600 13600
RADIO BULGARIA	1130-1200 Eu	11700 15700
RADIO BULGARIA	1730-1800 Eu	9500 11500
RADIO BULGARIA	2100-2200 Eu	5800 7500
RADIO BULGARIA	2300-0000 NAm	9700 11700

RADIO CANADA INT	0000-0057 SEAs	9690x	
RADIO CANADA INT	0000-0159 NAM	9755 11990 13710	
RADIO CANADA INT	1200-1329 SEAs	9660y 15170y	
RADIO CANADA INT	1200-1459 N&CAm	9515 13655 17800	Monday to Friday
RADIO CANADA INT	1300-1559 N&CAm	9515 13655 17800	Saturday and Sunday)
RADIO CANADA INT	1500-1557 As	11675x 15360u 17720x	
RADIO CANADA INT	1800-1859 Af	9530w 9780x 13730w 15255u 15420x	
RADIO CANADA INT	1900-2200 N&CAm	17835	
RADIO CANADA INT	2000-2059 Eu	5850H 11765u 15325	
RADIO CANADA INT	2230-2300 As	9525 Korea 9870 Korea 12035y	

CHINA RADIO INT	0000-0100 NAm/As	6020q	9570q/7180	13600	
CHINA RADIO INT	0100-0200 NAm/As	6020q	9570q	9790c/11870	13600 13640
CHINA RADIO INT	0200-0300 As	11870	13640		
CHINA RADIO INT	0300-0400 NAm/As	9690e	9790h/11870	15110	
CHINA RADIO INT	0400-0500 NAm	6090c	9560c	9755g	
CHINA RADIO INT	0500-0600 NAm/As	6190c	9560c/11710q	17505/11880	15350 15465 17540
CHINA RADIO INT	0600-0700 Af/As	11710q	17505/11870	11880 13620	15350 15465 17540
CHINA RADIO INT	0600-0800 Eu	1215q			
CHINA RADIO INT	0600-1100 Eu	17490			
CHINA RADIO INT	0700-0900 Eu/As	13710/	11880 15350	15465 17540	
CHINA RADIO INT	0900-1100 Pa	15210	17690		
CHINA RADIO INT	1100-1200 Eu/NAm	13650q	17490/11750c		
CHINA RADIO INT	1200-1300 As/Pa	9730	11980/9760	11760	
CHINA RADIO INT	1200-1300 Eu	13650q	13790	17490	
CHINA RADIO INT	1300-1400 NAm/As	9650c	15260c/1341	11980	
CHINA RADIO INT	1300-1400 Eu/Pa/LA	13790	17490/11760	11900/17625	Chile
CHINA RADIO INT	1400-1500 Eu/As	13790	17490	17650/1422	9560 11675 11765 11775
CHINA RADIO INT	1400-1600 NAm/Af	13740h	15220c/13685c	176300	
CHINA RADIO INT	1500-1600 Eu/As/Af	11965	13640	17490/7160	9785 11775/6100n
CHINA RADIO INT	1600-1700 Eu/Af	7255	11940	11965 13760	17490/6100n 9570 11900
CHINA RADIO INT	1700-1800 Eu/Af	7255	9695	11940 13760/6100n	9570 11900
CHINA RADIO INT	1800-1900 Eu	9695	11940	13760	
CHINA RADIO INT	1900-2000 Eu/Af	11940/	7295 9440	9585	
CHINA RADIO INT	2000-2100 Af	7295	9440		
CHINA RADIO INT	2000-2130 Af	11640a	13630a		
CHINA RADIO INT	2000-2200 Eu	5960q	7285q	9600 9855	11790
CHINA RADIO INT	2100-2300 Eu	1440	Luxembourg		
CHINA RADIO INT	2200-2300 Eu	7175r			
CHINA RADIO INT	2300-0000 NAm/As	5990h	6145c	13680c/5915	7180
VOICE OF CROATIA	0200-0230 NAm	9925			
VOICE OF CROATIA	0600-0605 Pa	9470			
VOICE OF CROATIA	1600-1630 Eu	1134			
VOICE OF CROATIA	1805-1815 Eu	6165	13830		
VOICE OF CROATIA	2215-2230 Eu NAm	9925			
CUBA RADIO HAVANA	0100-0500 NAm	6000	9820		
CUBA RADIO HAVANA	0500-0700 NAm	6000	6060	9550	11760
CUBA RADIO HAVANA	2030-2130 NAm	9505	11760		
CUBA RADIO HAVANA	2300-0000 CAm	9550			
CZECH RADIO PRAGUE	0000-0027 NAm	7345	9440		
CZECH RADIO PRAGUE	0100-0127 NAm	6200	7345		
CZECH RADIO PRAGUE	0300-0327 NAm	7345	9870		
CZECH RADIO PRAGUE	0330-0357 As ME	9445	11600		
CZECH RADIO PRAGUE	0700-0727 Eu	9880	11600		
CZECH RADIO PRAGUE	0900-0929 As Af	21745			
CZECH RADIO PRAGUE	1030-1057 Eu	9880	11615		
CZECH RADIO PRAGUE	1300-1329 Eu/Af	13580/	21745		
CZECH RADIO PRAGUE	1600-1627 Eu/Af	5930/	17485		
CZECH RADIO PRAGUE	1700-1727 Eu/Af	5930/	17485		
CZECH RADIO PRAGUE	2000-2027 Eu/As Pa	5930/	11600		
CZECH RADIO PRAGUE	2130-2157 Af/NAm	9800/	11600		
CZECH RADIO PRAGUE	2230-2257 NAm	7345	9415		
HCJB ECUADOR	1100-1330 CAm Eu	12005	21455		
EGYPT RADIO CAIRO	0200-0330 NAm	7260			
EGYPT RADIO CAIRO	1215-1330 sAs	17835			
EGYPT RADIO CAIRO	1630-1830 Af	11880			
EGYPT RADIO CAIRO	2030-2200 wAf	15375			
EGYPT RADIO CAIRO	2115-2245 Eu	9990			
EGYPT RADIO CAIRO	2300-0030 eNAm	11885			
EQ GUINEA	0600-0900 Af	15190			
RADIO AFRICA	1400-2200 Af	15190			
Sign off and sign off times are variable					
RADIO ETHIOPIA	1600-1700 Af	7165	9560		
RADIO FRANCE INT	0400-0430 eAf	7315m	11700		
RADIO FRANCE INT	0500-0530 eAf	9825m	15160		
RADIO FRANCE INT	0600-0630 eAf	11665	15160	17800	
RADIO FRANCE INT	0700-0800 wAf	15605m			
RADIO FRANCE INT	1200-1230 Af	17815f	21620		
RADIO FRANCE INT	1400-1500 ME swAs	7180x	17620		

RADIO FRANCE INT	1600-1700 Af	7170n 15160 15605 17605 17850
RADIO FRANCE INT	1700-1730 Af	15605 17605
Schedule valid until September 4th		
RADIO FRANCE INT	0400-0430 eAf	9805m 11700
RADIO FRANCE INT	0500-0530 eAf	11995m 13680
RADIO FRANCE INT	0600-0630 eAf	11665 15160 17800
RADIO FRANCE INT	0700-0800 wAf	15605m
RADIO FRANCE INT	1200-1230 Af	17815f 21620
RADIO FRANCE INT	1400-1500 ME swAs	7180x 17620
RADIO FRANCE INT	1600-1700 Af	7170n 15160 15605 17605 17850
RADIO FRANCE INT	1700-1730 Af	15605 17605
Schedule valid from September 4th		
RADIO GEORGIA	0730-0800 Eu	11805
RADIO GEORGIA	0830-0900 Eu	11910
RADIO GEORGIA	0930-1000 ME	11910
GERMANY D WELLE	0000-0100 sAs	1548f 7130f 9505f 9825w
GERMANY D WELLE	0400-0500 Af	7170k 9630k 11945w 15445f
GERMANY D WELLE	0500-0600 Af	9630s 9700k 15410t 17800d
GERMANY D WELLE	0600-0700 Af	7170s 15275w 17860k
GERMANY D WELLE	0600-1600 Eu	6140j (1000-1300 DRM)
GERMANY D WELLE	1600-1700 As	1548f 6170f 7225f 17595w
GERMANY D WELLE	1900-2000 Af	13780w 15520w
GERMANY D WELLE	2000-2100 Af	7130k 11865w 13780w 15205w
GERMANY D WELLE	2100-2200 Af	9440w 11865k 15205k
GERMANY D WELLE	2200-2300 As	7115 Alma Ata 9720 Nauen
GERMANY D WELLE	2300-0000 As	5955f 9890k 15135r
VOICE OF GREECE	0905-1000 Eu	9420 11645 15630 15650 21530 Sunday Its All Greek to Me
VOICE OF GREECE	1400-1500 Eu NAm	9420 9775 Delano 15630 Saturday Hellenes Around the World
VOICE OF GREECE	1830-1900 Eu	12105
AWR GUAM	1000-1030 EAs	11930
AWR GUAM	1330-1400 SEAs	15275 not Sunday/Wednesday
AWR GUAM	1330-1400 Japan	11980
AWR GUAM	1600-1630 SAs	11640 11680
AWR GUAM	1630-1700 SAs	11975
AWR GUAM	1730-1800 ME	9385
AWR GUAM	2230-2300 As	11850 15320
KTWR GUAM	0740-0900 sAs	15225 (0730-0900 Saturday and Sunday)
KTWR GUAM	0800-0930 Pa	11840 (0815-0930 Saturday and Sunday)
KTWR GUAM	1230-1245 As	11750
KTWR GUAM	1500-1600 SAs	12105
R BUDAPEST HUNGARY	0100-0130 NAm	9590
R BUDAPEST HUNGARY	0230-0300 NAm	9795
R BUDAPEST HUNGARY	1500-1530 Eu	6025 9655 Sunday
R BUDAPEST HUNGARY	1900-1930 Eu	3975 6025
R BUDAPEST HUNGARY	2100-2130 Eu/sAf	6025f 9525
AII INDIA RADIO	1000-1100 Pa As	13695 15020 15410 17510 17800 17895
ALL INDIA RADIO	1330-1500 sAs	9690 11620 13710
ALL INDIA RADIO	1745-1945 Eu Af	7410 9445 9950 11620 11935 13605 15075 15155 17670
AII INDIA RADIO	2045-2230 Eu Pa	7410 9445 9910 9950 11620 11715
ALL INDIA RADIO	2245-0045 As	9705 9950 11620 11645 13605
VOICE OF INDONESIA	0200-0300 As Am	15150
VOICE OF INDONESIA	0800-0900 As Am	15150
VOICE OF INDONESIA	2000-2100 Eu	9525 15150
VoIR IRAN	0130-0230 NAm	9495 11875
VoIR IRAN	1030-1130 seAs	15600 17660
VoIR IRAN	1530-1630 seAs	9635 11650
VoIR IRAN	1930-2030 Eu	Af 7205 9800 9925 11660 11670 11860
IRELAND	0000-2400 Eu	4025 6220 7465 9385 Laser Hot Hits
IRELAND	1500-2230 Eu	3910 6295 12255 Reflections Europe Sunday
KOL ISRAEL	0330-0345 Eu Am Pa	7545 9345 11605 17600 (7545 replaces 11605 from September)
KOL ISRAEL	0930-0945 Eu Am	15640 17535
KOL ISRAEL	1730-1745 Eu NAm	9345 11590 15640
KOL ISRAEL	1900-1925 Eu Am Af	11590 15615 15640

IRRS ITALY	0700-1200 Eu Af ME	13840	Saturday and Sunday
IRRS ITALY	0700-1400 Eu	15725	Saturday Radio Mi Amigo
IRRS ITALY	1900-2030 Eu Af ME	5775	Monday to Thursday, Saturday (~2200 Friday and Sunday)
RAI ITALY	0055-0115 NAm	11800	
RAI ITALY	0445-0500 nAf	6110 7235 9800	
RAI ITALY	1935-1955 Eu	5960 9845	
RAI ITALY	2025-2045 eAf	6050 11875	
RAI ITALY	2205-2230 As FE	11895	
RADIO JAPAN	0000-0015 As	13650 17810	
RADIO JAPAN	0000-0100 NAm	6145c	
RADIO JAPAN	0100-0200 ME/As/Am	5960u 17560/ 11860p 15325 17810 17845/ 11935b 17825	
RADIO JAPAN	0300-0400 Pa	21610	
RADIO JAPAN	0500-0600 Eu/NAm/As	5975u 7230u/ 6110c/15195 17810/ 21755 Pa	
RADIO JAPAN	0600-0700 Eu/NAm/As	7230u/13630/ 11715 11760 11740p 15195/ 21755 Pa	
RADIO JAPAN	1000-1100 As/Eu/NAm	9695 11730/ 17585d/ 6120c/21755 Pa / 17720d ME	
RADIO JAPAN	1100-1200 As/NAm	9695 11730/ 6120c	
RADIO JAPAN	1400-1500 As/Pa	7200 11730/ 11840c	
RADIO JAPAN	1500-1600 As/NAm	6190 7200 11730 / 9505	
RADIO JAPAN	1700-1800 NAm/Eu/Af	9535/ 11970/ 15355m	
RADIO JAPAN	2100-2200 Eu/Af/NAm	6055u 6180u/11855f/17825 / 6035i Pa	
RADIO JAPAN regional services	0100-0200 Pa	17685	
	0600-0700 Hawaii	17870	
	2100-2200 Hawaii	21670	
RADIO JORDAN	1300-1630 Eu NAm	11690	
KOREA KBS WORLD R	0200-0300 NAm SAm	9560c 15575/ 11810	
KOREA KBS WORLD R	0800-0900 As/Eu	9570/ 9640	
KOREA KBS WORLD R	1200-1300 NAm	9650c	
KOREA KBS WORLD R	1300-1400 As	9570 9770	
KOREA KBS WORLD R	1600-1700 As Af ME	5975 9870	
KOREA KBS WORLD R	1900-2000 As Eu	5975 7275	
KOREA KBS WORLD R	2100-2130 Eu	3955u	
VO KOREA PYONGYANG	0100-0200 FE/LA	7140 9345 9730/ 11735 13760 15180	
VO KOREA PYONGYANG	0200-0300 seAs	13650 15100	
VO KOREA PYONGYANG	0300-0400 As	7140 9345 9730	
VO KOREA PYONGYANG	1000-1100 seAs/LA	11735 13650/ 11710 15180	
VO KOREA PYONGYANG	1300-1400 Eu/NAm	13760 15245/ 9335 11710	
VO KOREA PYONGYANG	1500-1600 Eu/NAm	13760 15245/ 9335 11710	
VO KOREA PYONGYANG	1600-1700 ME Af	9990 11545	
VO KOREA PYONGYANG	1800-1900 Eu	13760 15245	
VO KOREA PYONGYANG	1900-2000 ME Af	7100 9975 11535 11910	
VO KOREA PYONGYANG	2100-2200 Eu	13760 15245	
LAOS LNR Vientiane	0600-0630 As	7145	
LAOS LNR Vientiane	1330-1405 As	7145	
LIBYA VO AFRICA	1140-1150 Af Eu ME	15610 17695 21675 21695	
LIBYA VO AFRICA	1730-1735 Af Eu M	15615 15660 17695 17880	
LIBYA VO AFRICA	1820-1825 Af Eu ME	11615 15205 15615 15660	
LIBYA VO AFRICA	1920-1925 Af Eu M	11715 15205	
LIBYA VO AFRICA	2030-2035 Af Eu ME	11635	
LIBYA VO AFRICA	2120-2125 Af Eu ME	11635	
all frequencies are relayed via Issoudun, France			
LITHUANIA R VILNIUS	0030-0100 NAm	11690	
LITHUANIA R VILNIUS	0830-0900 Eu	9710	
LITHUANIA R VILNIUS	2330-0000 NAm	9875	
VOICE OF MALYSIA	0600-0830 As/Pa	6175 9750 15295.	
MOLDOVA	1600-1610 Eu	5910	Radio Pridnestrovye Monday to Thursday
MOLDOVA	1600-1620 Eu	5910	Radio Pridnestrovye Friday
VOICE OF MONGOLIA	1000-1030 As	12085	
VOICE OF MONGOLIA	1500-1530 Eu	12015	
VOICE OF MONGOLIA	2000-2030 Eu	12015	
TWR MONTE CARLO	0700-0820 Eu	9870	11865q (Saturday 0715-0750, Sunday 0645-0820)
TWR MONTE CARLO	2215-2230 Eu	1467	Roumoules Saturday (Sunday 2215-2245)
RADIO NEPAL	0215-0230 As	5005	
RADIO NEPAL	1415-1425 As	5005	

RADIO NETHERLANDS	0000-0200 NAm	9845b	
RADIO NETHERLANDS	0400-0500 NAm	6165b 9590b	
RADIO NETHERLANDS	1000-1100 As Pa	9790b 12065r 13710r 13820r	
RADIO NETHERLANDS	1100-1200 NAm	11675b	
RADIO NETHERLANDS	1400-1600 As Pa	9345T 9890t 11835t	
RADIO NETHERLANDS	1800-1900 Af	6020t 9895 11655t	
RADIO NETHERLANDS	1900-2100 Af	7120t 9895 11655t 17810b	
RADIO NETHERLANDS	1900-2100 NAm	15315b 17660c 17735b	Saturday and Sunday
RADIO NEW ZEALAND	0459-0705 Pa	11820	
RADIO NEW ZEALAND	0706-1259 Pa As	9885	
RADIO NEW ZEALAND	1300-1850 Pa	6095	
RADIO NEW ZEALAND	1851-1950 Pa	9845	
RADIO NEW ZEALAND	1951-2150 Pa	11725	
RADIO NEW ZEALAND	2151-0458 Pa	15720	
VOICE OF NIGERIA	0500-0700 Eu	15120	
VOICE OF NIGERIA	1000-1500 Eu	15120	
VOICE OF NIGERIA	1700-1900 Eu	15120	
VOICE OF NIGERIA	1900-2100 Af	7255	
RADIO PAKISTAN	0045-0115 sAs	9340 11565	
RADIO PAKISTAN	0800-0810 As Eu	7395 15100 17835	also 1100-1104
RADIO PAKISTAN	1600-1615 Af ME	11570 11850 15100 15725	
RADIO PILIPINAS	0200-0330 As	11885 15120 15270	
RADIO PILIPINAS	1730-1930 As	11720 15190 17720	
POLAND R POLONIA	1200-1300 Eu NAm	9525 11850	
POLAND R POLONIA	1700-1800 Eu	5965 7285	
RADIO ROMANIA INT	0100-0200 NAM Pa	6040 9690 11820 15430	
RADIO ROMANIA INT	0400-0500 NAm SAs	9780 11820 15140 17860	
RADIO ROMANIA INT	0630-0700 Eu	9655 11830	
RADIO ROMANIA INT	1300-1400 Eu	11830 15105	
RADIO ROMANIA INT	1800-1900 Eu	9635 11830	
RADIO ROMANIA INT	2130-2200 Eu NAm	7165 9535 9645 11940	
RADIO ROMANIA INT	2300-2400 Eu NAm	6140 7265 9645 11940	
VOICE OF RUSSIA	0100-0200 NAM	7250 9665 15545 15595 17660	
VOICE OF RUSSIA	0200-0300 NAm	9665 9860 15545 15595 17660	
VOICE OF RUSSIA	0200-0300 ME	5945	
VOICE OF RUSSIA	0300-0400 NAm	9665 9860 9880 15545 15595 17660	
VOICE OF RUSSIA	0400-0500 NAm	9665 9880 15545 15595 17660	
VOICE OF RUSSIA	0500-0700 Pa	17665 21790	
VOICE OF RUSSIA	0700-0900 Pa	17495 17635 21790	
VOICE OF RUSSIA	1400-1500 As	7390 9745 11755 12055 15605 17645	
VOICE OF RUSSIA	1500-1600 Af	7315	
VOICE OF RUSSIA	1500-1600 As	4965 4975 7325 9660 11985	
VOICE OF RUSSIA	1500-1600 Eu	12040 15455	
VOICE OF RUSSIA	1600-1700 Af	11985 15540	
VOICE OF RUSSIA	1600-1700 As	6070 9405 11640 11985 12055 15540	
VOICE OF RUSSIA	1700-1800 Af	11510 11985	
VOICE OF RUSSIA	1700-1800 As	9405	
VOICE OF RUSSIA	1700-1800 Eu	9480 9890 11675* *	* = Saturday and Sunday only
VOICE OF RUSSIA	1800-1900 Af	9745 11510	
VOICE OF RUSSIA	1800-1900 Eu	9480 9820 9890 11630	
VOICE OF RUSSIA	1900-2000 Eu	7310 7380 9890 12070	
VOICE OF RUSSIA	2000-2100 Eu	12070 15455	
The following changes take place on September 4th:			
Asia - 6205 replaces 12055 at 1400-1500.			
North America - 7180 replaces 9665 at 0100-0300, 5900 and 7180 replace 9665 and 9880 at 0300-0500.			
European afternoon/evening schedule changes to:			
VOICE OF RUSSIA	1500-1600 Eu	9810 11980	
VOICE OF RUSSIA	1700-1800 Eu	7390 9820 9890 11675* *	* = Saturday and Sunday
VOICE OF RUSSIA	1800-1900 Eu	9480 9890	
VOICE OF RUSSIA	1900-2000 Eu	7380 9890	
VOICE OF RUSSIA	2000-2100 Eu	7310 7330	
R SERBIA/MONTENEGRO	0000-0030 Eu NAm	9580 11870	except Sundays
R SERBIA/MONTENEGRO	0430-0500 Eu NAm	9580 11870	
R SERBIA/MONTENEGRO	1830-1900 Eu Af	6100 9720	
R SERBIA/MONTENEGRO	2100-2130 Eu	6100	
R SERBIA/MONTENEGRO	2200-2230 Pa	7230	except Saturdays
RADIO SINGAPORE INT	1100-1400 As	6080 6150	

RADIO SLOVAKIA INT	0100-0130 Am	5930	9440	
RADIO SLOVAKIA INT	0700-0730 Pa	9440	15460	
RADIO SLOVAKIA INT	1630-1700 Eu	5920	7345	
RADIO SLOVAKIA INT	1830-1900 EU	5920	6055	
S AFRICA CHANNEL AF	0300-0400 Af	3345	6160	
S AFRICA CHANNEL AF	0400-0500 Af	3345		
S AFRICA CHANNEL AF	0500-0600 Af	7240	9685	
S AFRICA CHANNEL AF	0600-0700 Af	7240	15440	
S AFRICA CHANNEL AF	0700-0800 Af	7240		
S AFRICA CHANNEL AF	1000-1200 Af	11825		
S AFRICA CHANNEL AF	1400-1500 Af	11825		
S AFRICA CHANNEL AF	1500-1600 Af	11825	17770	
S AFRICA CHANNEL AF	1700-1800 Af	15235		
S AFRICA CHANNEL AF	2000-2200 Af	3345		
S AFRICA R LEAGUE	0800-0900 sAf/cAf	7205	17810	Sunday
S AFRICA R LEAGUE	1900-2000 sAf	3215		Monday
REE SPAIN	0000-0059 NAm	15385		
REE SPAIN	2000-2059 Eu Af	9570	15290	Monday to Friday
REE SPAIN	2100-2159 Eu Af	9570	9840	Saturday and Sunday
IBC SRI LANKA	0050-0100 As ME	7315j		
SLBC SRI LANKA	0030-0430 As	6005	9770	15745
SLBC SRI LANKA	1230-1530 As	6005	9770	15745
SLBC SRI LANKA	1900-2000 Eu	6010u		Saturday
SWAZILAND TWR	0430-0500 Af	3200		Monday to Friday
SWAZILAND TWR	0500-0600 Af	3200	4775	9500
SWAZILAND TWR	0600-0900 Af	4775	6120	9500
SWAZILAND TWR	0600-0645 Af	11640n		(-0615 Saturday and Sunday)
SWAZILAND TWR	1645-1715 Af	6130		(Saturday and Sunday 1630-1715)
SWAZILAND TWR	1700-2030 Af	1170	3200	9500(1730-1900)
RADIO SWEDEN	0130-0200 NAm/AsPa	6010c	9435t	
RADIO SWEDEN	0230-0300 NAm	6010c		
RADIO SWEDEN	1230-1300 NAm/EuAf	15240/	15735	
RADIO SWEDEN	1230-1300 AsPa	13580		
RADIO SWEDEN	1330-1400 NAm/EuAf	15240/	15735	
RADIO SWEDEN	1730-1800 Eu Af	1179(Mon-Sat)	6065	
RADIO SWEDEN	1900-1930 Eu	1179(Mon-Sat)		
RADIO SWEDEN	1930-2000 Eu	6065		
RADIO SWEDEN	2130-2200 Eu Af	1179	6065	7420t
SWEDEN IBRA RADIO	1830-1845 EAf	9485j		
SYRIA R DAMASCUS	2005-2205 Eu NAm	9330	12085	
TAIWAN R TAIPEI INT	0200-0300 NAm/As	5950f	9680f/11875	15465
TAIWAN R TAIPEI INT	0300-0400 NAm/LA/As	5950f/15215f/15320		
TAIWAN R TAIPEI INT	0700-0800 NAm	5950f		
TAIWAN R TAIPEI INT	0800-0900 Pa	9610		
TAIWAN R TAIPEI INT	1100-1200 SEAs	7445		
TAIWAN R TAIPEI INT	1200-1300 FE	7130		
TAIWAN R TAIPEI INT	1400-1500 SEAs	15265		
TAIWAN R TAIPEI INT	1600-1700 As	11815		
TAIWAN R TAIPEI INT	1800-1900 Eu	3965	Issoudun, France	
TAIWAN R TAIPEI INT	2200-2300 Eu	15600f		
RADIO THAILAND	0000-0030 Af	9570		
RADIO THAILAND	0030-0100 eCNAm	5890	Greenville	
RADIO THAILAND	0300-0330 wCNAm	5890	Delano	
RADIO THAILAND	0530-0600 Eu	17690		
RADIO THAILAND	1230-1300 As Pa	9600		
RADIO THAILAND	1400-1430 As Pa	9830		
RADIO THAILAND	1900-2000 Eu	7155		
RADIO THAILAND	2030-2045 Eu	9680		
VOICE OF TURKEY	0300-0350 Eu NAm/ME	6140/	7270	
VOICE OF TURKEY	1230-1320 Eu/AsPa	15225/	15535	
VOICE OF TURKEY	1830-1920 Eu	9785		
VOICE OF TURKEY	2030-2120 As Pa	7170		
VOICE OF TURKEY	2200-2250 Eu NAm	9830		

UK BIBLE VOICE	0030-0100 SEAs	6010d	
UK BROADCASTING	0630-0845 WEu	5945j	Sunday (0715-0830 Friday, 0700-0815 Saturday)
UK NETWORK	1130-1200 China	12065r	Saturday and Sunday
UK	1230-1245 China	12065r	Thursday
UK	1230-1315 SEAs	5890r	Sunday
UK	1400-1500 SEAs	17485	Saturday and Sunday via Tashkent (1400-1415 Thursday)
UK	1500-1615 ME	13590j	Monday (1540-1700, Tuesday, 1540-1615 & 1700-1800 Wednesday and Friday, 1540-1615 and 1630-1645 Thursday, 1545-1830 Saturday, 1530-1800 Sunday)
UK	1530-1600 SEAs	17510j	Monday, Wednesday, Thursday, Saturday
UK	1800-1815 Iran	11965j	Saturday
UK	1800-1900 EEU	6015j	Saturday (Sunday 1800-1830, 1915-1930)
UK	1800-1915 ME	9430	Nauen Friday and Sunday (Saturday 1800-1900)
UK	1900-1930 Af	9430j	Saturday
UK	1930-2000 Af	9430	Saturday via Werchtal, Sunday via Julich
UK CHRISTIAN VOICE	0515-1545 Af	9555n	
UK FAR EAST BC ASSOCIATION	1400-1415 SAs	9500	Novosibirsk
	1500-1600 India	7320	Irkutsk
	1530-1645 ME	9850	Armavir Friday
RADIO UKRAINE INT	0000-0100 NAm	7440	
RADIO UKRAINE INT	0300-0400 NAm	7440	
RADIO UKRAINE INT	1100-1200 Eu	15675	
RADIO UKRAINE INT	2100-2200 Eu	7420	
UNITED NATIONS	1730-1745 Af	7150n	15495u 17810l Monday to Friday
UNIVERSAL LIFE	0100-0130 As	9485j	Sunday
UNIVERSAL LIFE	1800-1830 Af	15675j	Sunday
UNIVERSAL LIFE	1900-1930 ME	13820j	Sunday
USA KAIJ	0000-1400 NAm FE	5755	
USA KAIJ	1400-0000 NAm FE	13815	
USA KJES	0200-0330 NAm	7555	
USA KJES	1400-1600 NAm	11715	
USA KJES	1900-2000 Pa CAm	15385	
USA KTBN	0000-1500 NAm	7505	
USA KTBN	1500-0000 NAm	15590	
USA KWHR	0100-0500 As	17510	
USA KWHR	0500-0600 As	9510	17510
USA KWHR	0600-0900 As	9510	13700
USA KWHR	0900-1000 As	9510	9930
USA KWHR	1000-1100 As	9930	
USA KWHR	1100-1800 As	11555	
USA OVERCOMER	1100-1200 Eu	6110j	Sunday
USA MINISTRY	1400-1600 Eu ME	6110w	13810j
USA PAN AMERICAN BROADCASTING	0030-0045 As	9740j	Sunday
	1400-1500 ME	15650j	Saturday (Sunday 1400-1445, 1500-1600)
USA UNIVERSITY NETWORK	0000-1200 NAm	5030	6150 7375 9725 Costa Rica
	1200-2400 NAm	9725	11870 13750 Costa Rica
GENE SCOTT	1000-2200 NAm	11775	Anguilla
	2200-1000 NAm	6090	Anguilla
USA VOA	0900-1200 Eu ME	9520	15205 17745
USA VOA	1500-1700 Eu ME	9700(1600-)	9825 15195 15445
USA VOA	2200-2300 Eu ME	1593	also at 2330-0030
USA VOA	0300-0400 Af	4930	6080 7290 <7340 9885 12080 17895
USA VOA	0400-0500 Af	4930	4960 6080 7290 9575 <9885 11835 12080 17895
USA VOA	0500-0600 Af	4930	6080 6180 7290 12080 13645
USA VOA	0600-0700 Af	6080	6180 7290 12080 13645
USA VOA	0700-0900 Af	6080	7290 13645
USA VOA	1500-1600 Af	9850	15580
USA VOA	1600-1700 Af	4930	9850 15410 15580
USA VOA	1700-1800 Af	9850	15410 15580
USA VOA	1800-1900 Af	4930	9850 11975 15410 15580 17895
USA VOA	1900-2000 Af	4930	4940 9850 11975 13670 15410 15445 15580 17895
USA VOA	2000-2100 Af	4930	4940 9850 11975 13670 15410 15445
USA VOA	2100-2200 Af	4930	11975 13670 15410 15445
USA VOA	0000-0030 Afghan.	12140	
USA VOA	2030-0000 Afghan.	12140	

USA VOA	0000-0030 FE Pa	7215 15185 15290 17820
USA VOA	0100-0300 FE Pa	7115 9885 11705 11725 (Saturday and Sunday to 0200)
USA VOA	1100-1130 FE Pa	1575 Saturday anmd Sunday
USA VOA	1200-1300 FE Pa	<1170 6160 9645 9760 15240
USA VOA	1300-1400 FE Pa	9645 9760
USA VOA	1400-1500 FE Pa	6160 7125 9760 15265
USA VOA	1500-1600 FE Pa	7125
USA VOA	1600-1700 FE Pa	1170 6160 7125 9760
USA VOA	1700-1800 FE Pa	1170* 1575* 6160 7125 9345 * = Mon-Fri
USA VOA	2200-0000 FE Pa	7215 15185 15290 15305 17740 17820
USA VOA	2330-0000 FE Pa	1575 Friday and Saturday
USA VOA	0330-0400 Zimbabwe	7290 12080 17895 Monday to Friday
USA VOA	1730-1800 Zimbabwe	4930 11975 17895 (1740-1800 Saturday and Sunday)
USA VO BIAFRA INT	2100-2200 Af	7380n Wednesday and Saturday
USA WBCQ	1700-2200 NAm	17495 Sunday 1700-2100
USA WBCQ	1600-0400 NAm	9330 Monday to Friday, Saturday 2000-0400, Sunday 2000-0330
USA WBCQ	1900-0430 NAm	7415 Monday to Friday, Saturday 2000-0500, Sunday 2000-0500
USA WBCQ	2300-0100 NAm	5105 Monday to Thursday, Friday 2300-0400, Sat & Sun 2300-0200
USA WBOH	0000-2400 NAm	5920 Spanish and English
USA WEWN	0000-0500 NAm	5810
USA WEWN	0500-0600 NAm Eu	5960 5850
USA WEWN	0600-0900 NAm Eu	5960 7570
USA WEWN	0900-1000 NAm	5960
USA WEWN	1000-1400 NAm	5745
USA WEWN	1400-1600 NAm	9955
USA WEWN	1600-2000 NAm Eu	13615 15685
USA WEWN	2000-2200 NAm Eu	13615 17595
USA WEWN	2200-0000 NAm Eu	9975 15745
USA WHRI	0000-0100 EuAf NAm	7315(Sat,Sun) 7490 7520 9515(Mon-Fri)
USA WHRI	0100-0300 EuAf NAm	5850 7315(Sat,Sun) 7490 9515(Mon-Fri)
USA WHRI	0300-0500 EuAf NAm	5835(Mon-Fri) 5850 7315(Sat,Sun) 7465
USA WHRI	0500-0700 EuAf NAm	7315 7465 7490
USA WHRI	0700-0900 EuAf NAm	7315 7465
USA WHRI	0900-1200 EuAf NAm	7520 9495
USA WHRI	1200-1400 EuAf NAm	9840 11785(Sa,Sun) 15285(Mon-Fr) 15310
USA WHRI	1400-1500 EuAf NAm	9840 15285 15310
USA WHRI	1500-1700 EuAf NAm	12020 15285 17640
USA WHRI	1700-1900 EuAf NAm	15285 15785 17640
USA WHRI	1900-2100 EuAf NAm	15285 15665 15785
USA WHRI	2100-2200 EuAf NAm	11765 15285 15785
USA WHRI	2200-2300 EuAf NAm	9840(Sun) 11765 15120(Mon-Sa) 15285
USA WHRI	2300-0000 EuAf NAm	7520 9840(Sun) 15120(Mon-Sa) 15285
USA WINB	1000-1200 NAm	9320
USA WINB	1200-2300 NAm	13570
USA WINB	2300-0500 NAm	9320
On Mondays to Fridays 9740 is used 1500-2000 instead of 13570		
USA WJIE	0900-2400 NAm	7490
USA WJIE	2200-1000 Eu NAm	13595
USA WMLK	1600-2100 Eu ME	9265
USA WRMI	1100-0900 NAm	7385 Mon-Fri (Sat 1200-2230, Sun 0300-0900, 1200-2200, Mon 0200-0900)
USA WRMI	1115-1200 SAm	9955 Saturday
USA WRMI	0100-0200 SAm	9955 Sun (also 0900-0930, 1000-1045, 1130-1200, 2330-0000, Monday 0015-0030)
USA WRNO	0300-1600 NAm	7395
USA WRNO	1600-2200 NAm	15420
USA WRNO	2200-0300 NAm	7355
USA WTJC	0000-2400 NAm	9370
USA WWCR	0000-0100 NAm	3210 5070 9985 13845
USA WWCR	0100-0200 NAm	3210 5070 5765 13845
USA WWCR	0200-0900 NAm	3210 5070 5765 5935
USA WWCR	0900-1000 NAm	5070 5765 5935 9985
USA WWCR	1000-1100 NAm	5070 5765 5935 15825
USA WWCR	1100-1200 NAm	5070 5935 7465 15825
USA WWCR	1200-1400 NAm	7465 9985 13845 15825
USA WWCR	1400-1900 NAm	9985 12160 13845 15825
USA WWCR	1900-2200 NAm	9975 12160 13845 15825

USA WWCR	2200-2300 NAm	7465	9985	12160	13845
USA WWCR	2300-0000 NAm	5070	7465	9985	13845
This schedule is valid 1st June to 31st August					
USA WWCR	0000-0100 NAm	3210	5070	7465	13845
USA WWCR	0100-0300 NAm	3210	5070	5935	7465
USA WWCR	0300-0900 NAm	3210	5070	5765	5935
USA WWCR	0900-1000 NAm	5070	5765	5935	9985
USA WWCR	1000-1200 NAm	5070	5765	5935	15825
USA WWCR	1200-1400 NAm	7465	9985	13845	15825
USA WWCR	1400-1800 NAm	9985	12160	13845	15825
USA WWCR	1800-2200 NAm	9975	12160	13845	15825
USA WWCR	2200-2300 NAm	7465	9985	12160	13845
USA WWCR	2300-0000 NAm	5070	7465	9985	13845
This schedule is valid from 1st September					
USA WWRB	1600-2300 NAm	9320	11920	12172	15250
USA WWRB	2300-0600 NAm	3185	5050	5085	5745
USA WYFR	0000-0100 LA	11835	17805(-0045)		
USA WYFR	0000-0445 NAm	6065	9505		
USA WYFR	0100-0200 As	15060v			
USA WYFR	0200-0300 LA	5985	11835(-0245)	11855	
USA WYFR	0300-0400 LA	11740	15255		
USA WYFR	0400-0500 Eu/NAm	7355/	6855	9715	
USA WYFR	0500-0600 Eu/NAm	9355/	6855		
USA WYFR	0600-0700 LA	5810	9680		
USA WYFR	0600-0700 Eu/Af	7355	11530/	11580	
USA WYFR	0700-0800 NAm	5985	6855	9505	9715
USA WYFR	0700-0745 Eu	7355			
USA WYFR	0700-0845 Af	9930			
USA WYFR	0800-0845 CAm	5950			
USA WYFR	0800-1000 NAm	5985	6855		
USA WYFR	0900-1100 CAm	9755			
USA WYFR	0900-1100 As	9450r			
USA WYFR	1000-1100 NAm	5950	5985	6855	
USA WYFR	1100-1200 NAm	5950	5985	7355	9625
USA WYFR	1100-1145 CAm	9550	9755		
USA WYFR	1200-1245 NAm	5950	5985		
USA WYFR	1200-1300 LA	17505			
USA WYFR	1200-1645 CAm	17750			
USA WYFR	1300-1400 NAm	11830	11865	11910	
USA WYFR	1300-1500 As	7580r	11560v		
USA WYFR	1400-1500 NAm	11830	11910	13695	
USA WYFR	1500-1600 NAm	11830	11910		
USA WYFR	1500-1545 LA	15770			
USA WYFR	1500-1700 As	6280v	15520d		
USA WYFR	1600-1645 NAm	11830	11865		
USA WYFR	1600-1700 CAm/Af	6085/	21525		
USA WYFR	1600-1900 Eu	18980	21455(-1800)		
USA WYFR	1600-2000 NAm	13695			
USA WYFR	1700-1800 Af	21680i			
USA WYFR	1700-2145 CAm	17795			
USA WYFR	1800-1845 Af	17525			
USA WYFR	1800-1900 Eu	3955u			
USA WYFR	1800-1900 ME	13780	Rampisham		
USA WYFR	1800-2145 NAm	13800			
USA WYFR	1900-2100 Af	3230n	15195i (2000-)		
USA WYFR	1900-2000 Eu	17845	18930	18980	
USA WYFR	1900-1945 CAm	6085			
USA WYFR	2000-2100 Eu	7360r	17750(-2045)	18980	
USA WYFR	2000-2200 LA	17725			
USA WYFR	2100-2200 Eu	7360r	11565	18980(-2145)	
USA WYFR	2200-2245 Af	15770			
USA WYFR	2200-2345 NAm	11740			
USA WYFR	2300-0000 LA	15255	17750		
UZBEK R TASHKENT	0100-0130 As	7190	9715		
UZBEK R TASHKENT	1200-1230 As	7285	15295	17775	
UZBEK R TASHKENT	1330-1400 As	7285	15295	17775	
UZBEK R TASHKENT	2030-2100 As	5025	9545	11905	
UZBEK R TASHKENT	2130-2200 As	5025	9545	11905	
VATICAN RADIO	0140-0200 As Pa	9650	12055		
VATICAN RADIO	0250-0320 NAm	7305	9605		
VATICAN RADIO	0300-0330 Af	9660			
VATICAN RADIO	0500-0530 Af	9660	11625	13765	
VATICAN RADIO	0500-0530 Eu	1530	4005	5885	7250

VATICAN RADIO	0610-0615 Eu AsPa Af	4005 5885 7250 9645 11740 15595
VATICAN RADIO	0625-0630 Eu AsPa Af	4005 5885 7250 9645 11740 15595
VATICAN RADIO	0630-0645 Af	11625 13765 15570
VATICAN RADIO	0640-0645 Eu AsPa Af	4005 5885 7250 9645 11740 15595
VATICAN RADIO	1530-1550 As Pa	12065 13675 15235
VATICAN RADIO	1615-1630 Eu AsPa Af	4005 5885 7250 9645 15595
VATICAN RADIO	1730-1800 Af	11625 13765 15570
VATICAN RADIO	1950-2020 Eu	4005 5885 7250 9645
VATICAN RADIO	2000-2030 Af	9755 11625 13765

VOICE OF VIETNAM	0100-0130 NAm	6175c
VOICE OF VIETNAM	0230-0300 NAm	6175c
VOICE OF VIETNAM	0330-0400 NAm	6175c
VOICE OF VIETNAM	1100-1130 As	1242 7285
VOICE OF VIETNAM	1230-1300 As	9840 12020
VOICE OF VIETNAM	1500-1530 SEAs	1242 9840 12020
VOICE OF VIETNAM	1600-1630 Eu SEAs	7220 7280 9730 13860
VOICE OF VIETNAM	1700-1730 Eu	9725 Moosbrun
VOICE OF VIETNAM	1800-1830 Eu	7280 9730
VOICE OF VIETNAM	1900-1930 Eu	7280 9730
VOICE OF VIETNAM	2030-2100 Eu As	7220 7280 9730 13860
VOICE OF VIETNAM	2330-2400 As	9840 12020

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

ZAMBIA CHRISTIAN V	0600-1600 Af	9865
ZAMBIA CHRISTIAN V	1600-0600 Af	4965

World DX Club

A British Based DX Club



The World DX Club was founded in 1968. The club has grown over the years with its emphasis on the broadcast side of the hobby. Membership is spread throughout the English speaking world on all continents including mainland Europe and North America. WDXC publishes a monthly bulletin *Contact*. The bulletin is compiled and distributed within 2 weeks of deadline, thereby ensuring up to date information, loggings and schedules. *Contact* averages about 60 pages a month. It features *Shortwave Logbook*, *Schedules*, *Radio Topics*, *Radio World*, *Radio Marketplace*, *Radio Bookshelf*, *Making Contact*, *DX News*, *Mediumwave Scan*, *QSL Report*, *Clandestine*, excerpts from Glenn Hauser's *DX Listening Digest*; *Radio Without License*, *SWL/Media Programs*, plus much more.

Members can participate in the club's e-mail group that provides immediate e-mails on time sensitive station and program information, and station schedules as received, plus advance text copies of the *DX News* and *Radio Topics* columns.

Club Membership Rates are UK £12.00, Europe £14.00, Rest of World £16.00, Surface mail US\$20.00, Airmail US\$24.00. Payable by check or bills to the North American Secretary - Richard A D'Angelo, 2216 Burkey Drive, WYOMISSING, PA 19610 USA or Payable in any acceptable form (no Irish PO's please) to - Arthur Ward, 17 Mospur Drive, NORTHAMPTON, England NN2 6LY. In North America, a sample copy of *Contact* is available for US\$2.00, or 4 IRC's from Rich D'Angelo at the above address.

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