

# The **NASA** Journal

VOLUME XLVII NUMBER 5

MAY 2007

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DE VRIENDSCHAPSBODE

**QSL**

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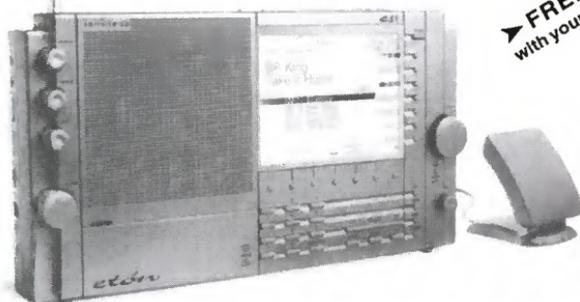
BELGIAN NATIONAL BROADCASTING SERVICE  
SHORTWAVE DIVISION - P. O. B. 26 - BRUSSELS 1 - BELGIUM

# Quality Equipment From Universal Radio

**etón** E1 XM

**GRUNDIG**

YB-550 PE



► **FREE YB-550**  
with your E1 purchase!



The incredibly attractive Grundig YB-550PE combines form and function to offer an excellent shortwave experience.

Six tuning methods are available to make tuning the bands easy and quick. Enjoy AM, FM, FM Stereo (to earphone jack) and full coverage shortwave from 1710-30000 kHz. Direct keypad frequency entry is possible or Up-Down tuning is available to surf the bands. A bar-graph tuning meter puts you exactly on frequency. 100 memories store your favorite stations. The built in clock can wake you to the radio audio or a buzzer. The large backlit LCD shows time and frequency. Comes with a carry case. 3.5 x 5.75 x 1.375 inches 10 oz. The PPI0440 AC adapter is optional. The YB-550PE was originally introduced at \$99.95, and is a great value at \$59.95.

YB-550 Order #0550 \$59.95  
PPI-0440-UL Order #2413 \$14.95

The **etón E1 XM** (originally announced as the Grundig Satellit 900) is the world's first radio that combines AM, FM, shortwave and XM Satellite radio into one ultra high-performance unit. In development for nearly ten years, in collaboration with RL Drake Company and XM Satellite Radio, the E1 is simply the finest full-sized portable in the world. The E1 is an elegant confluence of performance, features and capabilities. The look, feel and finish of this radio is superb. The solid, quality feel is second to none. The digitally synthesized, dual conversion shortwave tuner covers all shortwave frequencies. Adjacent frequency interference can be minimized or eliminated with a choice of three bandwidths [7.0, 4.0, 2.5 kHz]. The sideband selectable Synchronous AM Detector further minimizes adjacent frequency interference and reduces fading distortion of AM signals. IF Passband Tuning is yet another advanced feature that functions in AM and SSB modes to reject interference. AGC is selectable at fast or slow. High dynamic range permits the detection of weak signals in the presence of strong signals. All this coupled with great sensitivity will bring in stations from every part of the globe. Organizing your stations is facilitated by 500 user programmable presets with alpha labeling, plus 1200 user definable country memories, for a total of 1700 presets. You can tune this radio many ways such as: direct shortwave band entry, direct frequency entry, up-down tuning and scanning. Plus you can tune the bands with the good *old fashioned* tuning knob (that has *new fashioned* variable-rate tuning). There is also a dual-event programmable timer. Whether you are listening to AM, shortwave, FM or XM, you will experience superior audio quality via a bridged type audio amplifier, large built in speaker and continuous bass and treble tone controls. Stereo line-level output is provided for recording or routing the audio into another device such as a home stereo. The absolutely stunning LCD has 4 levels of backlighting and instantly shows you the complete status of your radio.



► **FREE YB-550**  
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The Grundig YB-550PE will be included **FREE** with your purchase of an Eton E1 for a limited time. Offer valid to 06/30/07.

Many receiver parameters such as AM step, FM coverage, beep, kHz/MHz entry etc., can be set to your personal taste via the preference menu. The E1 has a built in telescopic antenna for AM, shortwave and FM reception. Additionally there is a switchable antenna jack [KOK] for an external antenna. Universal also offers a PL259 to KOK antenna jack adapter (#1052 \$14.95) as well as a sturdy angled lucite radio stand (#3873 \$16.95).

The E1 comes with an AC adapter or may be operated from four D cells (not included). 13.1"L x 7.1"H x 2.3"W Weight: 4lbs. 3oz.

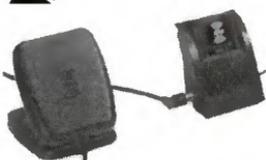
We are shipping latest production, high serial number units. Free YB-550 for a limited time.

E1 XM Order #0101 \$499.95

Note: The XM antenna module CNP2000 and XM subscription are sold separately. Activation and monthly subscription fee required for XM.



**AUDIOVOX CNP2000**



The Eton E1 is XM ready. This means you may purchase the Audiovox CNP2000DUO XM antenna module/base at any time. The CNP2000 can be moved from one E1 to another E1, or even to some other compatible electronic products. It has a 25 foot cable.

CNP2000DUO Order #0072 \$58.95

**UNIVERSAL LARGE STAND**



Clear radio stand to hold Eton E1 at optimum viewing and operating angle. It is 12 inches wide, very sturdy and was designed expressly for the E1.

STAND Order #3873 \$16.95

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# NASWA Notes

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

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I am still recovering from the aftermath of the 20<sup>th</sup> annual Winter SWL Festival that was held in Kulpsville in March. Festmeisters **Rich Cuff** and **John Figliozzi**, a cast of thousands and 170 enthusiastic hobbyists from around the world enjoyed this year's event. As I mentioned last month, **Marlin Field** was as the NASWA recipient of the William P. Eddings award as the club's member of the year. Marlin has been an active club member for as long as anyone can remember... that is a long time! Congratulations! Next year's Winter SWL Festival will be held on 7-8 March 2008 and the 22<sup>nd</sup> Winter SWL Festival will be held on 13-14 March 2009. Remember, the Fest never ends.

From **Robert Kipp**, RSD Revival 2006 Project Manager and **Laura Lawrence**, Station Manager of Radio St. Helena, comes word that "the Radio St. Helena Day 2006 QSL cards should be now aboard the RMS St. Helena and on the way to Ascension Island. It should take about a week for the QSLs to reach England. From London, the cards will go by air mail to the many SWLs around the world eagerly awaiting their arrival. Many thanks to everyone for the return postage in most of the reception reports and the extra donations, which were used to purchase the cards. Laura Lawrence and her staff at Radio St. Helena posted the cards this week in Jamestown. Radio St. Helena staff really appreciated the nice presents included in the reception reports, especially from Japan. With very best greetings from Radio St. Helena to all SWLs." That is great news so keep your eyes posted for those QSL replies direct from Radio St. Helena. If you have not sent a contribution to the "Radio St. Helena Fund" contributions are still being sought to offset the expense of the entire project. Checks made out to the project can be sent to me. Thanks!

From **Anker Petersen** and **Bent Nielsen** of the Danish Shortwave Club International (DSWCI) comes word that the 9th edition of the popular *Domestic Broadcasting Survey* (DBS-9) is available. This completely updated edition has the same format as previous years and will be available by e-mail in PDF format. A limited number are also going to be printed on paper. They can be ordered already now from the club treasurer: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK 3500 Vaerloese, Denmark. The e-mail (PDF format) edition costs: DKK 40,00 or US\$7.00 or €5,00 or £4,00 or SEK 50,00 or 5 International Reply Coupons (IRC). The printed edition costs: DKK 75,00 or US\$12.00 or €10,00 or £7,00 or SEK 100,00 or 10 IRCs. Payment by cash notes are accepted whereas checks are not accepted. Watch for a review of the DBS-9 in an upcoming edition of the *Shortwave Center*.

Radio Netherlands Worldwide, a long time favorite among Easy Listening fans, is celebrating its 60<sup>th</sup> anniversary of broadcasting this year. Radio Netherlands has demonstrated that it still an innovative organization that creates interest. It ran a story on 1<sup>st</sup> April about an alleged move by the European Union to institute a single size for condoms throughout member states (<http://www.radionetherlands.nl/currentaffairs/eu070401>). The Association of International Broadcasting introduced an ad hoc award for the best April Fool's joke produced by a Member organization. The inaugural award for 2007 went to Radio Netherlands Worldwide. Who else... seems fitting to me.

Just a quick reminder that **Jim Strader** took over the operation of the *Company Store* at the Winter SWL Festival. Retiring manager **Mike Wolfson** is off to greener pastures and we thank him for his great service to the club. The new store loca-

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## Our Motto: Unity & Friendship

tion is 74 Miller Street, Middleborough, MA 02346-3216. Jim can be reached by e-mail at jimstrader@msn.com. All orders for *Company Store* merchandise should go to Jim immediately. Welcome aboard Jim!

Another item of interest from the DSWCI in Denmark is the annual Swedish DX Parliament. The Swedish DX Forbund will hold its annual DX Parliament at Laholm in the Southern part of Sweden on 15-17 June 2007. Contact **Lennart Weirell** (lennart.weiell@swipnet.se) for further information.

Although not available through the *Company Store*, I can highly recommend **Ian McFarland's** new two CD set full of shortwave nostalgia that was launched at the 20<sup>th</sup> Anniversary Winter SWL Festival in Kulpville in March. See what you missed by not being there. The cost of this wonderful 2 CD set includes first class or airmail postage to anywhere in the world. Send you name, address and Cdn\$10.00 to addresses in Canada; US\$12.00 to addresses in the USA; and US\$13.00 or 13.00 Euros to all other countries. Personal checks or money orders are accepted from Canada & the USA but only money orders for orders from all other countries. Send your order to: Ian McFarland, 6667 Beaumont Avenue, Duncan, BC V9L 5X8, Canada. The net profits from sales are to be donated to the food bank in Duncan, BC in Canada. If you liked the Idents CDs you'll absolutely love the new CDs. They're even more nostalgic! Highly recommended for those shortwave nostalgia buffs that like to collect such material.

**Bob Padula** (404 Mont Albert Road, Mont Albert, Victoria 3127, Australia, or bobpadula@mydesk.net.au) sends word that the A07 edition of his non-commercial print publication *Shortwave Broadcasts to Australia, New Zealand and the Pacific Islands* was published in April. It covers the seven-month international shortwave transmission period commencing March 26, 2007 and concluding on October 27, 2007, known as the "A07 International Transmission Season". It is 20 pages, commercially printed. It has several hundred entries, providing comprehensive informa-

tion of shortwave broadcasting schedules to Australia, New Zealand and the Pacific Islands for transmissions in all languages. The complete schedules for Radio Australia and CVC Australia are included. The data is arranged in two sections, by studio country and starting time. Each entry shows broadcasting organization, frequency, starting time, finishing time, language, target area, transmitter site, transmitter country, studio country, and days of operation. The publication is compiled from an extensive worldwide network of broadcasters, frequency planners, engineering consultants, professional monitors, and members of the Electronic DX Press Radio Monitoring Association. Information is also included from the detailed research by the author, Bob Padula, a communications engineer and journalist, with over 45 years experience at both the professional and hobby level. For mailing to Australian addresses: A\$10 —cash, personal check, bank check, Australian Money Order, financial institution check, mint Australian stamps, PayPal. For mailing to countries outside Australia: US\$10 / €10 / £6 / A\$10 (cash, 10 international reply coupons, Australian mint stamps to the value of A\$10, international bank transfer, international bank draft, PayPal). Cash payment in any other currency is acceptable, to the equivalent of US\$10.

As we head into the spring and summer DX season, remember that there is still plenty of good DX left to squeeze out of the airwaves. The bands are in good shape with higher frequencies opening up a little more enabling some interesting listening opportunities. With the club's electronic *Flashsheet* in your hands each week you will be up to date with news and information about the DX scene. If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on timely news and information that will enhance your shortwave listening pleasure. It is now time for you to get on the distribution list for the club's electronic *Flashsheet* to stay up-to-date. The changing DX conditions will bring different DX opportunities and new listening targets. The club's electronic *Flashsheet* helps members stay on top of the

action with breaking shortwave news and information. If you are a current member of the club and want to receive the electronic Flashsheet just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic *Flashsheet* edited by **Mark Taylor**, markokpik@tds.net. Each week the electronic *Flashsheet* brings a lot of exciting, late breaking DX news and information to our members. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news. This is a service that is only available to our members. Deadlines are posted in the *NASWA Flashsheet*

each week. Keeping Mark busy and off the streets is good for Madison, WI.

Please remember to direct all communications about subscriptions, bulletin delivery issues, Mother's Day gift suggestions, 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. Inquires sent to Wyomissing only slow down the process. Thanks!

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

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## FRENDX: Twenty-Five Years Ago (May 1982)

*Roll Call* welcomed 94 new members since the last listing was published in February. In the *Shortwave Center*, editor John Moritz comments about the newly formed United States DX Association and the lack of a published bulletin in recent months. Also, he mentioned that Gerry Dexter was the new editor of *Popular Communication's* shortwave broadcasting section. Jerry Berg wrote "DX Stations of Yesteryear: Spanish Guinea." In Bill Taylor's *Vintage Vignettes*, Steven Davies wrote about the Hammarlund HQ-140-X receiver. In *Technical Topics*, Ed Shaw wrote about the Palomar P-308 and Gilfer's Mizuho SX-59 amplified antenna tuners. Sam Barto reported that 115 countries were verified by members in the *asL Report* column. *Log Report A* editor Stu Klein mentioned in his column that he would not be reprinting logs that appeared in another section of *Frendx* the previous month noting that direct contributions could be sent to him up through the 20<sup>th</sup> of the month. 

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## Calendar Of Events

- May 10-11 Annual Meeting.** The **National Association of Shortwave Broadcasters and the USA DRM Group** will hold a two-day joint annual meeting in Elkhart, Indiana on May 10 and 11, 2007. The meetings are open to broadcasters and other interested parties. For more details, contact Jeff White c/o WRMI Radio Miami International, 175 Fontainebleau Blvd., Suite 1N4, Miami, FL 33172 USA or see the meeting webpage, [www.shortwave.org/meeting.htm](http://www.shortwave.org/meeting.htm) or e-mail [nasbmem@rocketmail.com](mailto:nasbmem@rocketmail.com).
- May 11 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: [dcsckp@aol.com](mailto:dcsckp@aol.com).
- May 11 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: [ctreditor@aol.com](mailto:ctreditor@aol.com). The URL for the BADX guys is <http://www.naswa.net/badx/>

**Jun 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>>

**Jun 15-17 DX Parliament.** The **Swedish DX Forbund** will hold its annual DX Parliament at Laholm in Southern Sweden on 15-17 June 2007. Contact Lennart Weirell (lennart.weirell@swipnet.se) for further information.

**Aug 18, 2007 Convention. 2007 Madison-Milwaukee Radio Get-together.** The 14<sup>th</sup> Annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts is scheduled for Saturday, August 18, 2006. The location will be in Madison, WI (more details to follow). This is an all-band event, and everyone interested in the radio hobby is welcome. Tell your radio friends about it, and make your plans early to attend the 14th Annual Madison-Milwaukee Get-Together for DXers and Radio Enthusiasts for another fun and memorable day of visiting with your fellow radio hobbyists.

**Aug 24-27, 2007 Convention. The 2007 International Radio Club of America and DecalcoMania Conventions.** The annual gatherings will be in Salt Lake City, Utah from August 24<sup>th</sup> through August 26<sup>th</sup> at the Airport Days Inn (1900 West North Temple, Salt Lake City, Utah 84116). The convention discount for a room is \$50.00. Registration is \$25.00 per person. Convention host Mike Sanburn can be reached at P. O. Box 1256, Bell flower, CA 90707-1256.

**Aug 31-Sep 2, 2007 Convention. The 2007 National Radio Club National Convention and World TV-FM DX Association Convention.** The annual NRC and WFTDXA gatherings will be held at the Rodeway Inn on North Curtis Road in Boise, Idaho from 31 August to 2 September 2007. Frank Aden will be the joint convention host. Additional details to follow.

**Nov 1-4, 2007 Convention.** The next **European DX Council Conference** is scheduled for Lugano, Switzerland on 1-4 November 2007. Venue of the conference is the Hotel Dischma, Vicolo Geretta 6, CH-6900 Lugano Paradiso, Switzerland (hotel-dischma@bluewin.ch). The conference fee is EUR 95. Further information is available from Tibor Szilagyi in Sweden at +46 8 500 264 83 (phone number) or tiszsi2035@yahoo.com (e-mail). Radio Miami International is issuing a special EDXC 2007 QSL card. RMI will make it available to DXers for reports through the end of 2007, but they must request the special EDXC 2007 QSL card.

**Mar 7-8, 2008 Convention.** The **21<sup>st</sup> Annual Winter swl Festival**, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 7<sup>th</sup> and 8<sup>th</sup> March 2008. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special FEST event. See you there!

**Mar 13-14, 2009 Convention.** The **22<sup>nd</sup> Annual Winter swl Festival**, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 13<sup>th</sup> and 14<sup>th</sup> March 2009. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special FEST event. See you there!

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

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## Musings

**Jim Ronda** <james-ronda@utulsa.edu>, Tulsa, OK  
"My war with the squirrels":

Several days ago I discovered that squirrels had been chewing on the antenna rope that holds up one end of my 100' long wire. The rope is wrapped around a big oak tree that just happens to be a favorite perch for the squirrels. This is mating season — the squirrels are all over the tree and themselves. I acted promptly, doubling the thickness of the rope. That was plainly not enough. In an act of sheer defiance the squirrels then began to work over that the extra strong rope with their sharp teeth. I decided that this was a declaration of war that called for extreme measures. Shooting the squirrels was out of the question — at least so said my wife. In desperation I decided to replace the rope with two lines of #18 gauge wire. I twisted the wire into a single cable, threaded it through the insulator and hoisted the whole thing back up the tree. So far the wire has discouraged further assaults but with these Oklahoma squirrels anything can happen! At least so far I've not seen any critter trying to climb my GMDSS-2 vertical but I know that if the little b\_\_\_\_\_ds could, they would.

Jim

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

Sea Breeze started its Yamata transmission on March 25. Yamata is Radio Japan's transmitter site at 60 km North of Tokyo operated by KDDI. The broadcast hour is from 2030UTC to 2100 with frequency on 6045 kHz. Call sign is JSR, so the station announcement is like "JSR, kochira wa shiokaze desu". The program is in Japanese. The received signal here in Tokyo suburbs is with SIO 454. Another time slot from 1300 UTC to 1330 is using a new frequency of 9485 kHz. This is transmitted from a third country, by VT-Communication contract. The reception in Tokyo Metropolitan area is varied from SIO 232 to 353. The program of this time slot is in English, Korean or Japanese.

I attended the SWL Fest held from 8th to 10th of March. This is 20th anniversary event and attended by about 170 enthusiasts from 20 states of US and 3 provinces of Canada and Japan, Taiwan, UK and Ecuador. Mr. Allen Graham of HCJB, host of DX Partyline presented Faith and Shortwave, explaining a role of religious broadcasting in the development and sustaining of international broadcasting. At the Broadcasters Forum chaired by Mr. Ian McFarland of ex Radio Canada International I explained the planned termination of Radio Japan's shortwave transmission to North America and Europe starting October 2007. NHK plans to shift its overseas service to international TV from short wave. At the DRM, Digital Radio Mondial demonstration, test transmission from HCJB Quito using 4KW output was well received at the Winter SWL Fest. Vatican Radio also transmitted DRM demonstration. After dinner remarks was given by Mr. J. Boulaine of Canada's CBC, introduction by Mr. Kim Elliott of IBB. Antique Radio Museum visit was made. Two Fest organizers were Mr. John Figliozzi and Mr. Richard Cuff whose great efforts made this Fest another successful event.

Beginning A07 schedule, the duration of World Interactive program in which DX Express had been aired from Radio Japan was shortened to 20 minutes from 50 minutes earlier. So DX Express was omitted from the program until listeners voices become louder requesting the resumption of this program.

This is all for this month. Wishing you FB DXing! Toshi

**Gerry Dexter gdex@genevaonline.com, Lake Geneva WI**

60 Meters: A tune-through at 0355 on 3/29 found just an ocean of noise. Nothing below 5 MHz noted, not even the CODAR QRM was making it.

I had a great weekend here with Tom Gavaras making his annual spring visit from the Twin Cities. A terrific time!

Gerry

**Scott R Barbour Jr. <srbrjswl@yahoo.com>, Intervale, NH**

Six months later and I am still picking up S-9 level RFI every time I fire up my R75. The tech investigating the noise source has been put on a different work order, deemed more "urgent" than mine, by his superiors. I'm BEYOND fed up!

A recent post on the R75 yahoogroup made mention of turning multiple beverage antennas, such as I have, into a phased array. This piqued my interest so I did some Googling and came across this item, <http://www.grove-ent.com/ANC4.html>, which says it "nulls strong interfering signals" and "reduces interference by power lines, etc.. up to 40 dB".

Might this work on the RFI I'm dealing with? Regardless, I am still going to pester the utility tech until my problem is resolved.

Scott

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

My first exposure to 'Radio Listening' of any kind came when my father purchased a 'Rocket Shaped Crystal Radio' for me with a 'Huge Ear Phone' and a 'Long Grounding Wire with a Alligator Clip on the End of It!' I was just six years old in the summer of 1959 living in Stoneham, Massachusetts (My birthplace). I can recall many a night pulling the little antenna up on that 'Rocket Ship' and tuning in stations from all over the east coast of the U.S. while under the covers in my bedroom on the third floor of our house. I was absolutely fascinated! In the early 1960's I graduated to using a 'New Portable Transistor Radio' and still later a 'Pocket Model.' I even received as another gift; a pair of 'Walkie Talkies' that transmitted and received on a 'Bean of Light' from one to the other (They had to be pointed at each other and kept in a direct line of site). They were great fun; like talking over a set of 'Flashlights!'

Then in January of 1964, my father moved my mother and I to a little town called Port Elizabeth, in southern New Jersey (Dad being a 'Minister' had accepted a 'New Church Appointment' there). As fate would have it one of dad's 'New Parishioners' was a 'Ham Operator' who invited us over to see his 'Radio Shack!' Well, for an eleven year old 'Radio Buff' this was like going to heaven! The 'Positive Impression' has lasted to this very day!

I think mainly because of my young age it was suggested that my father should get me into 'C.B. Radio,' rather than 'Ham Radio,' and within a month I had acquired both a 'Used C.B. Transceiver' with 'Six Crystal Channels' installed and a 'Desk Stand Microphone.' After putting up a 'Ground Plane Antenna' and getting a 'License' (KOG-4365) I was on the air! I still have my rather detailed 'Logs' from those days when 'C.B.' was very different from what it would eventually become. Another major thing happen in my life that year which would lead me to a lifelong interest in 'Shortwave Radio Listening' (Specially 'Asian Station Broadcasts') and that was my enrollment in 'Japanese Karate-Do Classes!' Read on and I'll explain the connection.

A few years later, in January of 1968, my father again moved my mother and I to yet another 'New Church Appointment' in the city of Philadelphia, Pennsylvania. In April of that same year I founded, at the ripe age of fifteen, my own 'Zen Karate-Do School' (Ten To Marukai-Kan Karate-Do). Now, in those days getting any information whatsoever about the 'Orient,' 'Asian Culture,' 'Martial Arts History and Practice,' 'Zen Philosophy,' 'Buddhism,' 'Taoism,' etc., was just about impossible. Few 'Books' on the subjects were available and sources of information were rare.

There was one exception: 'Short Wave Radio!' Thus, I soon purchased a 'Candle Multi-Band Shortwave Receiver' and began tuning the bands for any and all 'Asian Broadcasts.' Much to my surprise there were many shows featuring 'Asian Study Topics' with occasional reference to 'Martial Arts' as practiced in 'China,' 'Taiwan,' 'Japan,' etc. Many shows I recorded for my students to listen to. I also learned how to acquire 'Oriental Music Recordings' on both records and tapes along with much other useful information via the mail. This led to my purchasing of a 'Radio Shack DX-160 Shortwave Receiver' in the mid 1970's which was most often tuned to 'Japan' in the 'Dojo (Karate-Do School) Office.'

Now, some 39 years later, my Karate-Do school continues (I've obtained my 'Ph.D. in Martial Arts Science' known as a 'Shihan Instructor's Grade' and a 'Seventh Degree Shichidan Black Belt') as well as my interest in 'Shortwave Listening.' Presently, I have several 'Sangean Receivers' which I have come to enjoy greatly, specially my 'ATS-909 Super' which is with me almost constantly.

Most recently, I attended the '20th Winterfest' sponsored by 'NASWA' in Kulpville, Pennsylvania, seeking to expand my knowledge and interest in 'Shortwave Listening.' I must say that I was 'Welcomed like an Old Friend' especially by 'Mr. Bill Oliver.' Everyone proved to be so friendly and kind that it made for a fantastic experience! Can you imagine my surprise to also actually speak face to face with representatives of 'NHK' and 'RTI!' Well, I decided on the spot to become a 'New NASWA Member' and I could not be more pleased!

'Shortwave Listening' and 'NASWA' really do have something for everyone, even someone like me! 73s! Mark

**Martin Peck <ponfarr@hotmail.com>, 100 Co-op City Blvd. Apt. 21B, Bronx, NY 10475-3838**  
I was speaking to an amateur radio friend of mine last night on the phone, and he suggested a possible way for shortwave radio to stay alive despite governmental cuts in spending for said stations: our old friend, the laser! With a radio signal being broadcast via a laser beam, bounced from a satellite, the beam itself is the signal and not just merely piggybacked on to the beam as it is in some fiber optic communications. Being not very technically minded, I wonder if this is actually technically feasible. The lasers would of necessity have to be of a low output in joules, however, due to the fact that coherent light can cause retinal damage. What are your thoughts on this, and I wonder if anyone has submitted any Musing before me about this, or on a similar topic.

Thanks! Martin

**Errol Urbelis, 563 Meadow Road, Kings Park, NY 11754-5009**  
Just picked up a Tec-Sun BCL2000, which is the same as the Grundig S350. Only one problem, the radio is a beautiful metallic red color, but alas the radio markings are all in Chinese and of course the manual also is in Chinese. I call Grundig and they sent me the English manual, free of charge. This radio is not a DX machine, slight touch of the tuning dial and drifts all over the place on any band: AM, SW and FM. Very good audio on FM.

Grundig is also sending me a free AC adaptor for the E5 I just bought from Grove as the original had bad hash and noise on all the bands. With battery power there was no problem.

In October I celebrate DXing for 50 years with my first receiver being a Hallicrafters S-53A that I bought from Lafayette Radio. I used a 50 foot piece of wire for an antenna.

Best of DX to all, Errol

**Bob Fraser, 255 Lincolnville Avenue, Belfast, ME 04915**

I have been a monitor for RAI for more than 20 years so when I saw a mention of them dropping shortwave in the February Journal, I included a note with my reception reports. I just received their summer schedule along with a note from Mario Ballabio of Monitoring Center Monza. He says that the latest is that RAI will continue broadcasting in HF but they are now studying the use of DRM.

A few days ago, around 2200 UTC, I picked up a pirate station on 6955 kHz IDing themselves as "The Mighty KBC." It was hosted by two laughing DJs and played modern pop music. As I am no fan of this music, I couldn't identify any of the tunes or performers. Quite a loud signal too, I very rarely hear any pirates and then barely audible. (The Mighty KBC is a Dutch station relayed by the Sitkunai transmitter in Lithuania. Someone must have been relaying the program on the US pirate band. —RAD)

There was a mention in the April Journal of the annoyance of fading SW signals. Not to me. The most annoying thing is a favorite movie or program on cable TV which is cut into four minute segments with six minutes of ads between them. Now that is annoyance!

73, Bob

**Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610**  
I received an interesting package of material from Radio Taiwan International. Included was a nice looking and colorful foldout schedule and frequency booklet along with twelve ample QSL cards. The cards are the Taiwan Puppet Show series which is part of Taiwan's unique cultural heritage. Although they encourage me to show them to my friends, I am discouraged from publishing them on a website or a club bulletin.

Here is this month's batch of QSL news. Ying Lian of the English Service of China Radio International verified Xizang People's Broadcasting Station - Lhasa. Wonder if there is a real person by that name? Olympia Radio verified the Voice of Greece transmissions taking place over their facilities. A couple of verifications from Lithuanian are next. First, the Voice of Islamic Republic of Iran via Sitkunai verified again. Dory, the verie signer, seems like a person trying to keep listeners happy and encouraged further reports. Second, The Mighty KBC via Sitkunai sent another full data tee shirt postcard verification. My first QSL was in response to an e-mail report. This one was apparently a response to a postal report. From the "lost but not forgotten" category comes Sao Tome. The Voice of America via Pinheira verified direct with a full data IBB Sao Tome Transmitting Station card with brief cover letter from v/s Charles L. Lewis, Transmitting Station Manager. This was from a tip by Jerry Berg but the reply took close to 4.5 years. Patience is important while seeking QSLs. My letter was discovered among some papers while he was cleaning out his office preparing for retirement in North Carolina. Finally, Sana'a Radio in Yemen verified an electronic follow up report with an electronic reply encouraging further reports. Apparently, Yemen is one of those countries where e-mail is essential to get any sort of verification.

73, Rich



## On the Short Waves by Jerry Berg

<www.ontheshortwaves.com> Update, February 17, 2007—Under “CPRV,” “QSL Gallery,” some foreign BCB veries. Two early stations from Canada, both on 1200 kHz., were 10BQ, Brantford, Ontario, 7.5 watts, with a DX program on Saturday mornings at 0200-0330 EST (1932); and 10BP, Wingham, Ontario, 25 watts (1933). From Central America and the Caribbean are TIPG, La Voz de la Victor, San Jose, Costa Rica, 625 kHz., 2 kw. (1938); TGTO, Guatemala, 810 kHz. (1958); and HHK, Port-au-Prince, Haiti, 920 kHz., 1 kw. (1935). We also have four Asian QSLs: JOIK, Sapporo, Japan, on 830 kHz. (1934); Radio Sarawak, 730 kHz., 1963; an undated QSL from U.S. Armed Forces Network, Taiwan, 1560 kHz.; and Radio Villa Verde, Macao, 10 kw., verifying a 1963 report (with a tape recording) from the U.S.

<www.ontheshortwaves.com> Update, February 25, 2007—Under “Articles, Research, etc.,” “Personalities,” they’re BA-ACK! The Boys of NASWA, that is—this time from 1973.

<www.ontheshortwaves.com> Update, March 4, 2007—Under “Articles, Research, etc.,” “Philately,” some items from All India Radio, which began broadcasting in 1936: a first day cover issued on June 8, 1961 in commemoration of AIR’s 25th anniversary, and an informative pamphlet issued by AIR in connection with the event. I have also posted a postcard of the AIR building constructed in New Delhi in 1940. The postcard was sent from Colombo, Ceylon to New York in 1954.

<www.ontheshortwaves.com> Update, March 10, 2007—Under “Articles, Research, etc.,” “Vintage Advertisements,” information about the 12-tube Scott Allwave Deluxe superhet: a 12-page illustrated advertising brochure, and a two-page “Technical Questionnaire. This receiver was sold circa 1932. “Roll up the carpet and dance to music direct from the Hotel Mayfair in London! . . . You have a totally new experience awaiting you—when you listen to programs not only in U.S.A. but from the far distant points of the earth through the peerless SCOTT ALLWAVE DELUXE.”

<www.ontheshortwaves.com> Update, March 17, 2007—Under “Articles, Research, etc.,” “Full-Length Articles,” two tours of vintage shortwave radio manufacturing plants. (1) From Scott, there is a brochure called “The Story of Advanced Design and Precision Engineering in Radio,” circa 1932. These fellows really knew how to market. “So—take off your coat and hat and come along with us on this ‘See Custom Built Precision Radio Made’ visit. It will give you an accurate knowledge—valuable and interesting—as to how fine radio receivers are designed and built. You will soon realize Scott receivers are laboratory instruments, built in one of the best equipped daylight radio engineering laboratories in the country.” (2) And from the Pilot Radio & Tube Corp., an article about the “new” 1.5 million sq. foot plant in Lawrence, Massachusetts to which the company moved from its old location in Brooklyn. This is from the Fall 1930 issue of Radio Design, the company’s house organ. “We’ve come a long way, baby.”

<www.ontheshortwaves.com> Update, April 1, 2007—Under “Articles, Research, etc.,” “Philately”: (1) the new HCJB first day cover commemorating the station’s 75th anniversary; and (2) a file containg a variety of FDCs for Vatican stamps issued to commemorate Vatican Radio—a 1981 series for the station’s 50th anniversary, and some 1959 stamps for the inauguration of the Santa Maria di Galeria transmitter site.

<www.ontheshortwaves.com> Update, April 7, 2007—Under “Articles, Research, etc.,” “Pot Pourri,” a brief but very nice (and illustrated) history of broadcasting in Australia, including shortwave: “Broadcasting and the Australian Post Office, 1923-1973,” published in the latter year. And, under “Full-Text Articles,” “The Day You Had To Pay,” Radio Receiving Licenses in Canada by Dan Greenall, from the April 2007 Ontario DX Association bulletin, Listening In.

# Easy Listening

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

## Random Program Recommendations

### Deutsche Welle—*Insight*

There was much talk before the March 2007 seasonal changes that **Deutsche Welle** was going to be shifting more to a “rolling news” format, and dropping its feature programming. This turned out to be a false rumor—while *Newslink* is now updated more often each day (11 times) than it had been (6 times), the basic approach to the schedule—news and current affairs in the first half of each hour, feature programming the second half of each hour—has not changed. This is good—because Deutsche Welle continues to produce some decent feature programs that are worth listening to via shortwave / live audio / on-demand audio.

One of these is *Insight*—a weekly 15-minute gem that offers perspective on the news by looking at the big political picture while paying special attention to the everyday lives of people on the ground. *Insight* also provides background information in the run-up to major international conferences and treaties. A recent edition profiled Islamists of Bosnia and articulated how they rejected radical Islamic motives and initiatives; this single topic comprised all 15 minutes of the program.

*Insight* airs on Saturdays and Sundays; shortwave airings that are likely audible, though inconvenient, in North America include 0430 and 0630 Saturdays. Listeners to *CBC Overnight* on CBC Radio One hear *Insight* Wednesdays at 5:30 AM local time.

### Radio New Zealand International / National Radio: *Spectrum*

Radio New Zealand International (RNZI), like Radio Australia, has long incorporated programming from affiliated domestic

spoken-word public broadcasters. In RNZI's case, its national partner is Radio New Zealand National Radio. Approximately half of RNZI's 24-hour broadcast day consists of relayed programs from National Radio; like Australia's Radio National, National Radio is a high-quality, mostly spoken-word service with a variety of documentaries, current affairs, interviews, seasoned with some music programming.

Radio New Zealand's domestic services dramatically enhanced their website in 2005, launching 24/7 live streaming audio and providing on-demand editions of most spoken-word programming.

One example of National Radio programming that also airs on RNZI is *Spectrum*, a long-running weekly documentary / interview program that, according to the National Radio website, “...captures the essence of New Zealand through stories, landscape and people. [*Spectrum*] is the place for the quirky and colorful, for character and personality; for the portrayal of events and places. It tells a story rather than questions an issue.” I sampled a recent edition that consisted of a one-on-one interview with someone who was a member of BLERTA, an artistic and musical cooperative from the 1970s. The on-demand version I sampled was lacking in that there was no real “setup” for the program—the audio simply began with an interview, without any setup or introductions. If you are interested about New Zealand through stories of and by its people, it's worth a listen. *Spectrum* airs on RNZI Sundays 0009 UTC; currently, RNZI uses 13730 kHz at that hour, which is probably dicey for North American reception. That timing is also when the program airs on the domestic National Radio service; both RNZI and National Radio offer live streaming, so you have two online choices for audio at

that time. **Spectrum's** first National Radio airing is Thursday 0730 UTC, available outside New Zealand via streaming audio.

For more information and past audio, visit the program website at <http://www.radionz.co.nz/nr/programmes/spectrum>.

### Radio New Zealand / National Radio—**Checkpoint**

**Checkpoint** is analogous in concept to National Public Radio's *All Things Considered*: It's the afternoon news and current affairs program that reviews the day's news and provides analysis of current events of interest to New Zealanders. However, what's unique about **Checkpoint** is the fact that New Zealand is a smaller place than the USA, Canada, or Australia—New Zealand is about the size of, say, Colorado. That means that stories we'd consider regional news in the USA become national news in New Zealand, which offers a cozy feeling you won't get from other country-wide public broadcasters. Sure, the UK—roughly the size of Oregon—is similar in size, but the BBC considers itself more of a global broadcaster and offers a more-global story mix than New Zealand's National Radio. As a result, you'll get weather and even traffic updates on **Checkpoint** woven right into the story mix.

If you are interested in the Kiwi perspective on regional and international affairs, **Checkpoint** will serve you well. Like most current affairs programs, **Checkpoint** is a bit dry—which means it would likely be boring for a USA-based listener to tune in day after day, but if you're like me, and want an occasional dose of current affairs from a different viewpoint than you get in North America, **Checkpoint** is worth your time.

### RTE Radio 1—**Sound Exchange**

RTE—the national broadcaster of Ireland—has recently has a shortwave presence that largely consists of a portion of the evening drive time news program,

**Live At Five**. However, there's much more than **Live At Five** that's worth listening to on RTE Radio 1, and, thanks to live and on-demand streaming options, it's easy to sample some of this programming diversity. **Sound Exchange** is a six-part documentary series that began in April, and highlights the sounds of everyday objects, and how those objects play an important role in our lives. This is a series tailor-made for radio (versus TV), as the listener has to visualize these objects and reflect on the role they have in the listener's life.

The first edition aired April 12<sup>th</sup>, and focused on the telephone, including its history in Ireland and the general history surrounding the invention of the phone. As another example, the April 19<sup>th</sup> program focused on clocks.

Even though you'll read this column after four of the six installments have gone to air, the previously-aired editions are available for online streaming at the RTE website, <http://www.rte.ie/radio1>; highlight *sound-exchange* (no space, one word) in the *Find Your Show Here* text box.

By the way, the RTE Radio 1 website contains a treasure trove of archived programming for series that have left the air; click on the link labeled *Previous Shows*.

### BBC World Service Highlights

**For Richer, For Poorer** is a two part series, beginning Wednesday, May 16<sup>th</sup>, that looks at billionaires and those who live on less than a dollar a day, to discover how inequality affects them. The first program looks at India and China to look at how globalization has helped the poor in those two countries; the second program in the series talks to highflying and well rewarded bankers, and those who clean up after them, in the world's financial districts to find out if all employees get a fair share of the profits. **For Richer, For Poorer** airs

in the Wednesday Documentary time slot in For Richer, For Poorer a two-part series from Wednesday 16 May. Best shortwave airtimes in North America are probably those to West Africa: 1406, 2106. The program will no doubt be archived on the Web for on-demand listening and podcast listening; live webcast times at the BBC website include Wednesdays 0806, 1106, 1906, and 2306, plus Sundays 0906. Other live webcast times can be found at <http://publicradiofan.com/cgi-bin/program.pl?programid=707>.

**One Planet**, the World Service environmental program, features a three-part series entitled *Japan and the Whales*; although Japan is firmly allied to the West on virtually every significant international issue, it continues to hunt threatened species of whale in the name of scientific research. *Japan and the Whales* looks at the political and cultural reasons underlying Japan's whaling industry. Japan's global image, the research alternatives, and Japan's relations with the International Whaling Committee are all discussed in the series. African shortwave airtimes include Thursdays, 1432, 2232, beginning May 17<sup>th</sup>. Live webcast times include Thursdays 1132, 1532, 1932, and 2332, plus Saturdays 0732 and Sundays 0232.

**Global Perspectives** continues in May, in the **Friday Documentary** timeslot. Entries include *The Lucky Secret to Success*, a documentary about the role of superstition and luck in the business doings of Hong Kong; *The Lucky Secret...* airs May 11<sup>th</sup> and is produced by RTHK, Radio Television Hong Kong. May 18<sup>th</sup> sees *A True Brother*, a documentary on the relationship of two brothers—one an evangelical Christian minister, the other in a long-term gay relationship; *A True Brother* is produced by Canada's CBC. Shortwave air times include Fridays 1406 and 2106, targeting West Africa. Live webcast times include Fridays 0806, 1106, 1906 and 2306.

After the conclusion of **Global Perspectives**, the **Friday Documentary** features an installment in the **World Stories** series.

**World Stories** features documentaries produced by members of BBC's non-English language services. May 25<sup>th</sup> sees the documentary *Medellin Transformed*, produced by Columbian- Following decades of violence, much of it linked to the cocaine trade, Medellin in Columbia has now become a popular, safe tourist destination. Columbian-born journalist Luis Restrepo explores how this has been achieved. Restrepo discovers how Medellin's Mayor Sergio Fajardo, a former mathematics professor, has used law, order and investment to help the city shed its overwhelmingly negative image.

## Calling DNTO Fans

**DNTO** is the acronym for **Definitely Not The Opera**, a long-running CBC series that graces the **CBC Northern Quebec** shortwave service on Saturdays at 1700 UT. Quoting the CBC website, DNTO "...takes listeners on a fast paced trip through the cultural landscape of Canada and around the world, [and] is the ideal audio guide to the fast-changing world of popular culture." The team behind DNTO is producing a summer series for CBC Radio One entitled **Hidden City**; the series will explore the hidden things—unwritten rules—behaviors—and activities that most of us don't notice but are integral to life in the city. It is about exploring the life of that unique human creature known as the "urbanoid." One of the episodes is about noise in the city, and the producers are interested in exploring it at the micro-level—as in, the noise that drives neighbors crazy. If you have some ideas, e-mail Sara Tate, one of the producers, at [sara\\_tate@cbc.ca](mailto:sara_tate@cbc.ca) with the subject line "I'm mad as hell and I'm not going to take it anymore!!" Nothing says we CBC fans located south of the border can't contribute.

## Radio Australia: Connect Asia

**Radio Australia** continues to sharpen its focus on the Asia with programming specifically designed to target an Asian audience, versus the traditional Pacific target

audience. Radio Australia now offers a separate Asia-focused shortwave service that airs different programming from the Pacific-focused shortwave service that propagates best to North America. However, some of this Asia-focused programming airs in both services; one example is *Connect Asia*, airing Sundays–Thursdays at 2300 in both the Asian and Pacific services. *Connect Asia* is a newsmagazine format; it differs from the longstanding *Asia Pacific* program in that the topics tend to run a bit longer in *Connect Asia* than in *Asia Pacific*, and there is a greater emphasis on current events analysis, with frequent utilization of interviews with analysts and other observers, versus the more dispatch-oriented approach taken by *Asia Pacific*.

If you are interested in perspectives of Asia from a different viewpoint than we have in North America, you may find the program an interesting listen. A recent edition included perspectives of Buddhists regarding Thailand's new constitution; and India and Pakistan discussions surrounding Kashmir. *Connect Asia* airs on shortwave at 2300 on Sundays through Thursdays; this corresponds to 6 AM Mondays–Fridays in Thailand and elsewhere in the region. A live webcast, podcast, and on-demand MP3 listening are options that may be handier than the 2300 UTC shortwave airtime.

### **Different hours, different versions of *Newshour***

The BBC World Service news and current affairs program, *Newshour*, remains one of the programs that receives plenty of BBCWS management attention and interest; *Newshour* now airs at 1300 UT on many US public radio stations, right after NPR's flagship *Morning Edition* program. However, the version targeting the USA in this 1300 release is different from the version airing over shortwave at 1200 UT. The story selection for the American (1300) edition is different from the "world" edition at 1200,

particularly in sports story selection. The 1200 edition features a specific block of time carved out for sports news of interest to expat Britons and those living in those countries whose sports heritage is derived from that of Great Britain. By comparison, the 1300 edition does not include this sports report, as many Americans have their own sports traditions and couldn't care less about sports such as cricket and soccer. The story mix in the 1300 edition is selected to appeal to a North American audience and bypasses most sports-oriented reporting. This tidbit was recently discussed in an edition of *Over To You*, the listener feedback program.

### **Internet Tip of the Day: Searching the *Public Radio Fan* website via Google**

I frequently use Kevin Kelly's *Public Radio Fan* website for program information; you can use Google's Advanced Search feature to very quickly navigate to specific program pages on the *Public Radio Fan* website. In the main Google search box, simply type in the name of the program in quotes, then add the text *site:publicradiofan.com* afterwards. For example, entering "newshour site:publicradiofan.com" will then bring you to the information page for the BBC's *Newshour* program, complete with live webcast air times on the various streaming outlets available, along with, optionally, XM and Sirius airtimes and a link to the *Newshour* webpage on the World Service website. I find this search method much, quicker than following the menu tree on the *Public Radio Fan* website; this approach will work fine unless Kevin changes the organization of the website, which did happen earlier this year; Google caught up with the changes within a month.

That's all for May; best wishes for good listening, no matter how you listen!

73 DE Richard



# Shortwave Center

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*This month, we turn over this space to a topic that should be of utmost importance to stateside SWLs and DXers—the continuing diminishment of the U.S.’s well-regarded and acclaimed international broadcaster, the **Voice of America**. In the following pages, you will find a series of statements by a number of commenters from a range of quarters assembled to bring you “up to speed” on the current dire straits in which the VOA finds itself.*

*This series of statements are presented here without editorial comment, save for this one. It is the considered opinion of this writer that, while there are valid questions regarding effectiveness, distribution platforms and competing priorities facing international broadcasters, the current hostile policies of the BBG (the Broadcasting Board of Governors which oversees U.S. international broadcasting) and some in the U.S. government toward the VOA have been undertaken principally **because the VOA is the only U.S. international broadcaster operating under a Congressionally granted charter that guarantees its journalistic independence. Not one of the other broadcasting entities created in recent years by the BBG is compelled by law to adhere to this nation’s most cherished principles.***

*The current BBG and its sponsors apparently prefer a propagandistic approach toward this*

*nation’s official communications with those overseas. To my mind this betrays a certain lack of confidence both in U.S. ideals and the ability of the international audience to discern the truth when given the facts, despite the incontrovertible evidence that it was the VOA’s (and RL/RFE’s) approach to international broadcasting in keeping with these ideals that were instrumental in gaining a successful completion to the Cold War. The current BBG policy is a dangerous and corrosive departure from longstanding American principles upon which the VOA first stood during the darkest days of the second world war and has continued to stand for sixty-five years now: “The news may be good, the news may be bad; we will tell you the truth.”*

*It is my hope and that of others who are standing with the VOA in its hour of need that what you read in these pages will compel you to also stand with the VOA by contacting your representatives and key leaders in Congress. Tell them that we and they need to preserve what has worked best for this country for decades in its public diplomacy—the VOA and its strong dedication to reporting the truth wherever it leads. In order to overcome today’s challenges and those to come, we will need to embrace our most cherished principles, not undermine them. And, moreover, we need our public diplomacy to demonstrate the we believe in what we say.*

## Message from the Board of Governors on the Budget Request for FY 2008

Monday, February 05, 2007 10:22:13 AM

Today, the President’s budget request for fiscal year 2008 will be sent to the Congress. This budget request continues to reflect pressures on the discretionary budget, including requirements for the Iraq conflict. In addition, the yearlong continuing resolution (CR) currently pending with Congress

indicates that the agency will continue operations at its FY 2006 level.

In spite of this difficult budget environment, the Administration’s FY 2008 request for the BBG of \$668.2 million is a 3.8 percent increase for the BBG over anticipated FY 2007 levels. This increase indicates the Administration’s support for BBG broadcasts

as part of its national security strategy, and includes broadcast initiatives to critical audiences around the world, including North Korea, the Middle East, Somalia, and Cuba.

The budget fully funds initiatives begun in FY 2006 to critical Muslim audiences. These include the expansion of VOA television to Iran to a 12-hour stream, VOA Pashto programming to the Afghanistan/Pakistan border region, television programs to Afghanistan and Pakistan, and Alhurra Europe.

In addition, the request proposes several initiatives originally proposed in our FY 2007 request. These include VOA Spanish television programming to Venezuela, enhanced employee training and awards programs, expanded affiliate and audience development efforts, as well as improved transmission for RFE/RL and RFA, and an enhanced news coverage capability for Alhurra and Radio Sawa.

To fund these increases in support of the Administration's effort to provide essential access to news and information for the most critical audiences, we will be facing significant reductions in other areas. The FY 2008 budget includes the elimination of VOA and RFA broadcasts in Cantonese as well as VOA Uzbek; and reductions to Ukrainian broadcasts by VOA and RFE/RL, Tibetan broadcasts by VOA and RFA, VOA Portuguese to Africa, and broadcasts by RFE/RL Romanian, South Slavic and Kazakh. Other savings will come from reductions in support and administrative services and the transmission network.

Several of the reductions that were proposed for FY 2007 are included in the FY 2008 request. These include eliminating VOA broadcasts in Croatian, Greek, Georgian and

Thai as well as RFE/RL broadcasts in Macedonian. The request includes pursuing a television strategy for VOA in Serbian, Albanian, Bosnian, Macedonian, Hindi and Russian. The proposal also calls for discontinuing 14 hours a day of VOA News Now English broadcasts while maintaining VOA's English to Africa and Special English services and continuing to strengthen VOA English on the Internet.

The proposed reductions are a reflection of very difficult decisions within a constrained budgetary environment, and are not a reflection on the quality of the programming of these services. We must position U.S. international broadcasting for the future by continuing to enhance impact and efficiency. The current budget climate requires that we utilize our funds to effectively adapt to changing viewing habits and new technology, and respond to the nation's most immediate and vital national security challenges.

We recognize that this budget will be difficult for the agency because it includes a loss of positions in parts of the agency, and gains in others. As in the past, to address some of the hardship for these realignments, we will try to implement personnel reductions by voluntary means as much as possible. The agency has the authority to offer early out and buyout opportunities to its federal employees, and is offering these in FY 2007 to try to soften the impact on affected employees.

The submission of the President's budget request to the Congress is the beginning of the process for determining the agency's programs in FY 2008. None of the proposed reductions may be implemented until the Congress has approved them.

*This op-ed piece was published in The Washington Post.*

## Britney vs. The Terrorists

By Robert R. Reilly  
Friday, February 9, 2007

In the spring of 2003, across a field of rubble in Baghdad, a young Iraqi journalist

accosted me and demanded: "Why did you stop broadcasting substance and substitute music?" The year before the Broadcasting Board of Governors, the government entity in charge of radio broadcasting, had shut

down the Voice of America's Arabic service, and it ended most of its Farsi service in 2003. Voice of America had been broadcasting features, discussions of issues and editorials reflecting U.S. policies. But now it filled 50 minutes of each hour on Arabic-language Radio Sawa and most of the time on Persian-language Radio Farda with Eminem, J. Lo and Britney Spears.

This change in format provoked other angry questions: Are Americans playing music because they are afraid to tell the truth? Do they not have a truth to tell? Or do they not consider us worth telling the truth to?

We did not fight communism with pop music. In fact, during the Cold War, America used its government media institutions to broadcast its ideas and beliefs. So why are we not refashioning those successful broadcast strategies and trying to spread our ideas in the Muslim world, the breeding ground of much of the world's terrorist threats?

Members of the Broadcasting Board of Governors (BBG) have shared their answer: Radio Sawa's progenitor, media mogul Norman Pattiz, was still serving his Clinton-appointed term in 2002 when he told the *New Yorker* that "it was MTV that brought down the Berlin Wall." (Not Ronald Reagan, Lech Walesa or Vaclav Havel, of course.) President Bush's appointees did not improve the board's outlook. In October 2002, Ken Tomlinson, then the board's new chairman, approvingly quoted his son as saying Spears's music "represents the sounds of freedom." It seems that the board transformed the "war of ideas" into the battle of the bands.

So, is MTV winning the "war of ideas"? After years of the United States broadcasting Britney Spears to the Levant, the average radical mullah has not exactly succumbed to apoplexy or come to love democracy. A State Department inspector general's draft report on Radio Sawa (the final report was never issued) found that "it is difficult to ascertain Radio Sawa's impact in countering anti-American views and the biased state-run media of the Arab world." Or, as one expert panel assembled to assess its value

concluded, "Radio Sawa failed to present America to its audience."

The BBG has achieved part of its objective in gaining large youth audiences in some areas of the Middle East, such as in Amman, Jordan, where it has an FM transmitter. But as the Jordanian journalist Jamil Nimri told me: "Radio Sawa is fun, but it's irrelevant." We do not teach civics to American teenagers by asking them to listen to pop music, so why should we expect Arabs and Persians to learn about America or democracy this way? The condescension implicit in this nearly all-music format is not lost on the audience that we should wish to influence the most—those who think.

Some, of course, suspect that the United States is consciously attempting to subvert the morals of Arab youth. Undersecretary of State Karen Hughes told columnist Cal Thomas in December that our "view of freedom is sometimes seen as licentiousness.... And that is only exacerbated by the movies and the television and some of the music and the lyrics that they see exported from America." Especially, Hughes might have added, since the BBG, on which she sits as an ex officio member, promotes this very image.

Becoming a caricature of ourselves is bad policy and bad public diplomacy. The job of U.S. international broadcasting is to present, before we are attacked, what much of the world saw only after Sept. 11—the sacrifice, bravery and piety of the American people—as part of a complete picture. By presenting this aspect of our culture, we might even prevent the miscalculations of those who believe they should attack the United States or can do so with impunity because we are a weak, irreligious, morally corrupt country.

We need radio broadcasting in the "war of ideas," but it has to deal in ideas to be effective. The "MTV message" is something that commercial broadcasting can do and would do better than government-funded radio. Government broadcasting is needed when the United States must communicate a message to a key audience that that audience otherwise would not hear.

Music may have a role in this kind of broadcast mission, but only if it is part of a larger, idea-based strategy. Where are the ideas that will help us win this war, and why are they not being deployed by all available means to the places that most need to hear them? Isn't it time to change our tune?

*The writer was the 25th director of the Voice of America and was senior adviser to the Iraqi Ministry of Information during Operation Iraqi Freedom.*

*An e-mail appeal sent by the former deputy director of the VOA from 1996-98.*

## Save Voice of America Programs to Russia and Other Media-at-Risk Countries

**From:** Alan J. Heil, Jr.

**Sent:** Monday, February 26, 2007 2:53 AM

Anything that can be done to prevent the Bush administration from silencing America's Voices to the world will be much appreciated. This is a crucial week, as Senate and House offices will be focusing on the FY 08 budget next week in preparation for hearings and markups by the appropriations subcommittees for State and Foreign Operations on both sides of the Hill.

Quick summary of the damage if the cuts were to go through:

- The end of VOA worldwide English broadcasts in our own language understood by about a third of humanity. (The United States would rank #8 among G-8 industrialized nations in broadcasting English if this happened, even behind Russia, France and Canada—unthinkable at a time when anti-American opinion is at record levels among friend and foe alike and the Chinese, Russians, Al Jazeera and Iran all have 24/7 services in English or are increasing their English transmissions.)

- Loss of at least 18 million listeners/viewers to VOA worldwide and at least several million more at RFE/RL and RFA. (VOA radio services in key strategic languages such as Russian, Ukrainian, Serbian, Albanian, Hindi to India and Bosnian would cease.)

- Languages that would disappear altogether: Uzbek (understood in central Asian countries beyond Uzbekistan and even western China), Georgian, Cantonese, Croatian, Greek, and Thai (where martial law has been imposed and Muslim extremism is increasing day by day.)

- Services whose airtime will be reduced: Tibetan (at VOA and Radio Free Asia), Portuguese to Africa (VOA) and Khazakh and Romanian (RFE/RL).

Needed to retain these services and associated transmission costs: \$28 million. A mandate for their funding (approximately a tenth the cost of the fabled Bridge to Nowhere) would return US government broadcasting to October 1, 2005 levels—the minimum necessary Bridge to Everywhere on the world's airwaves for our national security in the post 9/11 era. Best, Alan

Key contacts:

Senator Patrick Leahy (D-Vermont), chair, Senate appropriations subcommittee on State/Foreign Ops. Tim Rieser, chief legislative aide, [tim\\_rieser@appro.senate.gov](mailto:tim_rieser@appro.senate.gov) (202-224-7284)

Senator Judd Gregg (R-NH), ranking, Senate appropriations subcommittee on State/Foreign Ops. Reachable via Paul Grove, [paul\\_grove@appro.senate.gov](mailto:paul_grove@appro.senate.gov) (202-224-5095)

Representative Nita Lowey (D-NY), chair, House appropriations subcommittee on State/Foreign Ops. Nisha Desai, subcommittee clerk, nisha.desai@mail.house.gov (202-225-2041) or Craig Higgins, craig.higgins@mail.house.gov (same number).

Representative Frank Wolf (R-VA), ranking, House appropriations subcommittee on State/Foreign Ops. Mike Ringler, mike.ringler@mail.house.gov (202-226-5823).

## **Analysis: Planned cuts in language services mar Voice of America's 65th anniversary**

*Analysis by Peter Feuilherade of BBC Monitoring on 27 February*

On 24 February the Voice of America quietly marked 65 years since it began broadcasting on shortwave from the United States to Nazi-occupied Europe in 1942. The anniversary was overshadowed by budget proposals from the Bush administration which would end VOA radio broadcasts in several languages, including Cantonese, Russian, Uzbek and worldwide English. Senior US international broadcasting bosses argue that the VOA and other US-government funded stations must shift their focus away from shortwave radio to satellite television and the internet, as well as concentrating more on countries involved in the "war on terror". But critics of the new priorities, including senior journalists in VOA's ranks, oppose the downgrading of radio and say it would be tragic for the broadcaster to do away with most programs in English.

### **"Reaching out to key regions"**

From its headquarters in Washington, VOA broadcasts in 45 languages on radio and the internet. Many VOA programmes are now on television. VOA claims a weekly audience of 115 million worldwide for its news, education and cultural programming. (The BBC World Service, by comparison, last year announced a record global audience of at least 163 million listeners a week.) Twenty-eight hours a week of Persian TV via satellite and 30 minutes a day of radio broadcasts to Somalia are among the latest VOA initiatives. But the

Bush administration's proposed budget for the next fiscal year (beginning 1 October 2007) would eliminate most VOA English broadcasts, as well as radio programs in 12 other languages. The plan seeks to end VOA broadcasts in Cantonese, Uzbek, Croatian, Greek, Georgian and Thai. Albanian, Serbian, Bosnian, Macedonian, Hindi and Russian radio would also be cut, although those services would continue television programming. VOA would also eliminate all 14 hours per day of VOA NewsNow English broadcasting, but would continue English-to-Africa programs and the Special English broadcasts that use a limited vocabulary. US government-funded Radio Free Europe/Radio Liberty broadcasts to Ukraine and Tibetan services from VOA and Radio Free Asia would also be reduced. RFE/RL broadcasts in Uzbek would continue. The US Broadcasting Board of Governors (BBG)—which oversees all of Washington's international radio and TV services—said programs in some other languages would be expanded, and there would be an increase in total spending on international broadcasting. The proposed budget calls for increased VOA broadcasting to North Korea, Cuba and Venezuela, as well as continuing a daily Somali program. A BBG statement added: "The budget also fully funds initiatives begun in fiscal year 2006 to critical Muslim audiences. These include the expansion of VOA television to Iran to a 12-hour stream, VOA Pashto radio programming to the Afghanistan/Pakistan border region, television programs to Afghanistan and Pakistan and Al-Hurra Europe, the 24/7 service to Arabic speakers in Europe."

The planned cuts “simply reflect budget realities,” said VOA Director Dan Austin, adding: “If we had the money, I would love to do it all. But these are tight budget times for any agency of this government, so we have to set our priorities. And I think reaching out to key regions in the language that people there understand and speak most frequently has to be the first priority.”

## Critics speak out

FreeMediaOnline.org, a San Francisco-based nonprofit organization founded to support freedom of the press, described the proposed cuts and reductions in US international broadcasting as a “gift to dictators and suppressors of press freedom.” “Whenever budget cuts become necessary to pay for new programs to countries and regions where freedom of expression is suppressed, the BBC inevitably relies on cutting programs to audiences which are also deprived of free media but are less important for the foreign policy goals of the Administration. This lack of consistency sends a terrible signal to defenders of freedom and courageous journalists around the world,” the organization said after the new budget was unveiled earlier in February.

The proposed radical reduction of English-language programming has provoked its

own backlash. Sanford Ungar, who headed VOA from 1999 to 2001, commented: “I think it’s laughable, tragic and absurd for the Voice of America not to broadcast in English. I mean, if Radio Moscow stopped broadcasting in Russian, people would be shocked. If Radio Beijing stopped broadcasting in Chinese—imagine Radio France not broadcasting in French.”

## Familiar echoes for BBC

The shake-up at VOA over new emphases for budgets and languages to reflect the changing global political environment will have familiar echoes for other international broadcasters, such as the BBC World Service. In 2006, the BBC axed 10 language services to shift resources towards the planned Arabic TV service. Among those cut were the Thai service, closed just months before the military coup in Thailand in September 2006. The debates over geopolitical priorities going on between VOA journalists, managers and their political paymasters should be closely followed by their BBC counterparts, as the World Service plans reviews of its Chinese and Russian-language services in the coming months.

*Source: BBC Monitoring research 27 Feb 07*

# Former VOA Directors Appeal For Reversal Of Plan To Reduce Network’s Presence On The World’s Radio Airwaves

WASHINGTON, D.C. (March 5)—Eleven former directors of the Voice of America have issued a joint statement calling on Congress to reverse a Bush administration plan to substantially reduce VOA’s English broadcasts and those in 15 other languages.

VOA, the nation’s largest publicly funded civilian overseas broadcasting network, may go silent in many areas of the world

on radio later this year unless the Congress reverses the action in hearings on the U.S. federal budget for the next fiscal year starting October 1. Among the planned cuts is the shutdown on radio of VOA’s worldwide English service. The former Voice directors joining in the appeal to reverse the cuts have served at various times during the past half a century under both Republican and Democratic administrations.

If the cuts go through, the Voice also would eliminate all broadcasts in Uzbek, Croatian, Georgian, Cantonese and Thai, and cease radio transmissions while retaining some television in Russian, Ukrainian, Albanian, Serbian, Bosnian, Macedonian, and Hindi (to India.) Schedules would be cut, as well, in Tibetan and Portuguese to Africa.

The directors' statement follows:

We former directors of the Voice of America urgently appeal for a reversal by Congress of planned reductions in VOA that could silence the nation's largest publicly-funded overseas broadcast network in much of the world. Taken together, the cuts would seriously jeopardize our national security and public diplomacy. Further, they would deprive millions of people of access to a fully free and open media, a core value of what our nation is all about.

The Bush administration has proposed to eliminate VOA English in every continent except Africa, abolish services in Cantonese, Croatian, Georgian, Greek, Thai and Uzbek, cease radio broadcasts in Russian, Ukrainian, Serbian, Albanian, Bosnian, Macedonian, and Hindi (to India), and significantly scale back programming in Tibetan and Portuguese to Africa.

In view of:

- decisions by China, Russia, Iran, France and Al Jazeera TV to broadcast around the clock or increase airtime in our own language, English, spoken or understood by at least 1.6 billion people worldwide
- a 23 percent increase in Russia's military budget as Vladimir Putin muzzles his own as well as foreign news and information outlets
- new media restrictions and arrests or jailing of journalists in China, Tibet and Uzbekistan along with just declared martial law and an upsurge of extremist Muslim activity in Thailand

- the volatile situation in the Balkans as Kosovo moves toward independence, and
- VOA's proven cost effectiveness (more than 115 million listeners and viewers a week)...

We urgently appeal for an increase of the proposed \$178 million VOA budget to \$204 million for fiscal year 2008 beginning October 1. This would be mandated to cover programming and transmission of services listed above, 3.9 percent of the entire U.S. overseas broadcasting budget. This is a tiny but essential investment. Surveys show anti-American opinion abroad to be at an all-time high. At this critical moment in the post 9/11 era, the United States simply cannot, for its own long term strategic safety and security, unilaterally disarm in the global contest of ideas.

**Mary G. F. Bitterman, Robert E. Button, Richard W. Carlson, Geoffrey Cowan, John Hughes, David Jackson, Henry Loomis, E. Eugene Pell, Robert Reilly, R. Peter Straus, and Sanford J. Ungar**

March 5, 2007

Contacts:

Richard W. Carlson  
Director, Voice of America, 1986-1991

Geoffrey Cowan  
Director, Voice of America, 1994-1996

Alan L. Heil Jr.  
Deputy Director, Voice of America, 1996-1998



# America's Disarmament in the War of Ideas

By Ted Lipien

The Bush Administration supports freedom of democracy around the world. Right? Wasn't this one of the reasons America went to war in Iraq? U.S. overseas broadcasts, now managed by the bipartisan Board of Broadcasting Governors (BBG), have been for more than half a century one of the most effective tools in promoting freedom and democracy. Both Democratic and Republican Administrations have always agreed it makes sense to use public money to pay for broadcasting information to countries without free media. U.S.-funded radio programs, such as those on the Voice of America (VOA), won the Cold War by helping to avoid war. They cost less than a tiny fraction of the annual Pentagon budget.

So why at the time when America is facing increasing skepticism and hostility abroad, the White House and the BBG want to either eliminate or reduce American broadcasts to countries with a long-established record of suppressing free speech? The Administration's latest plan calls for cutting radio programs to Russia, China, Tibet, Uzbekistan, Kazakhstan and several other countries. The BBG also wants to reduce drastically VOA broadcasts in English at the time when many countries, including Russia and China, are increasing their English-language programs.

Isn't it better to invest in a peaceful exchange of ideas now rather than to face consequences of misunderstandings, civil unrest and possible wars later? America should not abandon those who want uncensored information and are asking our support in their struggle for freedom. The official explanation from the Bush Administration and the BBG for the announced program cuts is embarrassingly lame. The BBG claims that by reducing support for free flow of information to one group of dictator-ruled nations they will increase support for free speech in countries like Iraq, Pakistan,

and North Korea. The irony of this argument is self-apparent.

But there is much more to this serious problem than just a faulty logic and lame excuses. Starting and expanding broadcasts when there is an impending crisis is nearly always too late to avert violence and produce a lasting impact. Perhaps if we expanded news and information programs to Iran ten years ago instead of reducing them, we would not be so close to a potential military conflict with that nation. Ten years from now we may wish the United States did not silence or reduce programs to Russia, China, and countries in Central Asia—as the Bush Administration and the BBG are planning to do in their FY2008 budget proposal. In a few years it may be again too late to benefit from such broadcasts should these nations provoke or become involved in internal or international conflicts.

Only the Congress can stop this foolish and short-sighted plan. Eleven former Voice of America directors have called on the U.S. Congress to do just that. The West won the Cold War largely with the help of radio broadcasts to countries behind the Iron Curtain. It makes absolutely no sense to reduce America's voice abroad at the time of growing anti-Americanism, extremism and threats of new wars. The decisions made by the Bush White House and the BBG to cut VOA English radio broadcasts and to eliminate or reduce programs in 15 other languages will have devastating consequences if they are not quickly reversed. These decisions will harm America's long-term interest in reducing international tensions, building bridges between civilizations and supporting democracy.

It is not, however, only the Administration officials and the BBG who bear the blame for this unilateral informational disarmament. Many other decision and opinion-makers are also guilty of placing too much emphasis on the military for solving international prob-

lems and grossly underestimate the power of independent journalism. The Administration is willing to spend billions of dollars on the war in Iraq and hundreds of millions of dollars on ineffective and often embarrassing and counterproductive disinformation and propaganda programs run by private contractors. The Bush Administration has shown little appreciation for objective journalism and its long-term benefits in dealing with other nations. There have been very few voices in support of independent journalism as a credible counterbalance to ineffective public diplomacy and propaganda.

Members of the Broadcasting Board of Governors should have been in the forefront in educating the White House, the Congress, and the American public how U.S. overseas broadcasts help to overcome censorship, promote international dialogue and prevent wars. Instead, some BBG members voted to eliminate or reduce programs which they have been charged with protecting and improving. They have failed to fulfill their public duty and failed in their mission to support democracy.

We definitely should provide more information to the Muslim world, as the Broadcasting Board of Governors is pledging to do. But why the only choice the BBG could come up with to accomplish this goal was the elimination of the Voice of America (VOA) radio programs to Russia? This is a country where independent journalists are regularly murdered and President Putin controls all major television channels. The Administration requests and the Congress approves hundreds of billions of dollars to fight the war in Iraq, but the richest nation in the world, its elected representatives, the White House, and the bipartisan board cannot find a few million dollars to continue U.S. broadcasts to some of the strategically most important countries—countries where press freedom is under severe pressure.

Americans become upset with their government when they hear media reports that American soldiers in Iraq lack proper armor and medical care. But when the same government plans to cripple one of America's most successful peaceful tools in the war of

ideas, hardly anyone notices. This unilateral disarmament - misguided and unnecessary—urgently needs a Congressional investigation. The Congress should investigate as to why the bipartisan body in charge of U.S. overseas radio, television and Internet broadcasts is unwilling to reform the vast broadcasting bureaucracy and relies instead on cutting critical programs for communicating with the world to meet its budget goals set by the White House.

Dismissing foreign-speaking journalists at VOA, Radio Free Europe/Radio Liberty (RFE/RL), and Radio Free Asia (RFA)—the broadcasting entities managed by the BBG—is far easier than eliminating bureaucratic positions, but this policy will have grave consequences for America's image abroad and our ability to influence foreign audiences. It sends a terrible signal to courageous journalists and supporters of press freedom everywhere. It's an insult to the memory of the brave Russian journalist Anna Politkovskaya who was murdered last year in Moscow by an unknown assailant. Her murder was almost certainly provoked by her reporting on human rights abuses, government corruption, and anti-democratic policies of the Putin regime. While she was alive and being constantly harassed by Mr. Putin's secret police, she used Radio Liberty and Voice of America programs to expose government misconduct. President Putin and Uzbekistan's autocratic leader Islam Karimov could not have been happier with the BBG's actions. In effect, the BBG is rewarding these leaders because they have been successful in disrupting the distribution of VOA and RFE/RL programs in their countries. The BBG not only failed to help its broadcasters overcome these program distribution barriers but is punishing journalists for its own failure to invest in innovative program delivery to countries run by clever dictators.

Congressional hearings into this matter would expose how some of the BBG members were outsmarted by Mr. Putin's media handlers when the bipartisan board voted to cut VOA Russian programs. An investigation would also show a disturbing history of eliminating and restarting taxpayer-funded

foreign language broadcasts without much regard for long-term U.S. interests and without much appreciation how overseas audiences view this appalling lack of consistency in supporting democracy.

A petition to save VOA broadcasts to Russia and other media-at-risk countries, initiated by FreeMediaOnline.org, a California-based nonprofit organization which supports freedom of the press worldwide, is available at: <http://www.petitiononline.com/tl1122/>

petition.html. Anyone who values America's ability to conduct a peaceful dialogue with the world should sign this petition. Congress must stop the BBG from making yet another concession to dictators and suppressors of press freedom. America should not be made defenseless in the war of ideas.

*Ted Lipien is a former acting associate director of the Voice of America who now heads FreeMediaOnline.org*

## Cutting English-language Broadcasting will Silence America's Voice

Guy W. Farmer, Nevada Appeal, 1 April 2007

Anyone who cares about America's deteriorating image in the world should be worried about what's happening to our government's leading international broadcaster, the venerable and respected Voice of America (VOA). If Congress adopts Bush administration budget proposals, VOA English-language services will be slashed in order to direct more "light" programming at the war-torn Middle East.

At first glance, this proposal might seem to be reasonable, but it is seriously flawed because English-language programs have long been a cornerstone of VOA's worldwide broadcasts. The Bush administration wants to cut \$26 million from VOA English so as to increase programming to Iran and the Middle East. "Nobody can question that need," wrote ex-Voice Director John Hughes in the Christian Science Monitor, "but it shouldn't be undertaken at the expense of other programming that has proved effective. There is still a huge English-language audience for VOA, not the least among leaders and elites who speak English in countries where it isn't the predominant language."...

Veteran VOA broadcaster/historian Alan Heil sounded the alarm three years ago when he wrote the following: "Seven months after

9/11, VOA's Arabic Branch disappeared at a single stroke, virtually unnoticed in the American foreign affairs community, Congress or the American media." VOA Arabic was replaced by something called Radio Sawa, "a predominantly pop music and entertainment service" aimed at youthful audiences. And in a gratuitous slap at the Voice, "Sawa management prohibited its staff from using VOA's carefully sourced central newsroom material," which didn't make any sense.

The Sawa decision was made by the quasi-independent Broadcasting Board of Governors (BBG), which assumed responsibility for all U.S. government international broadcasting following the State/USIA merger. The Board also established a similar service for Iran called Radio Farda. Even though BBG claims that Farda is the most popular international radio station in Iran, critics say its music format has undermined its foreign policy message. I agree and question why American taxpayers should fund multi-million-dollar radio stations that carry minimal policy "freight."

It appears that BBG has traded carefully targeted audiences of foreign opinion-leaders and policymakers for mass audiences of young people who want to listen to the likes of Britney Spears and Justin Timberlake when many commercial broadcasters are serving up the same fare 24/7. As Alan

Heil wrote in his prescient 2004 essay, "The disappearance of VOA Arabic at a time when it was needed most ranks among the greatest tragedies in the history of U.S. international broadcasting." And now Congress and the White House are compounding the tragedy by targeting VOA English for crippling budget cuts equal to approximately one-tenth of what Congress is spending on Alaska's fabled "Bridge to Nowhere." Can you say "pork?"

"U.S. policymakers consider broadcasting (to be) a pillar of U.S. public diplomacy, stressing its role in promoting freedom and democracy," the prestigious Council on Foreign Relations recognized in a recent research report. But in that same report a senior Senate Foreign Relations Committee staffer described America's 21st century radio voice as "muddled." "If the goal here is to make them (Middle Eastern audiences) understand the full complexity of America and America's role in the world," he commented, "I don't think they (Farda and Sawa) have the sophistication needed to do that."

Me neither, and that's why I oppose the transfer of more than \$25 million from VOA English to pop music stations just as I oppose spending one more taxpayer dollar on Radio and TV Marti, which broadcast to Cuba. No one can see or hear Marti's programs because Cuba effectively jams their broadcasts. Nevertheless, the Bush administration continues to throw millions of dollars at the Miami Cubans in order to keep them in the Republican column at election time.

I hope my ex-USIA and VOA colleagues can save the Voice's flagship English-language service but given the current toxic political climate in Washington, it may go silent—and that would be another great tragedy in the history of American public diplomacy.

*Guy W. Farmer, of Carson City, supervised Voice of America Spanish-language broadcasts to Latin America during the period 1977-79.*

## **BBG responds to Guy Farmer**

This article completely ignores the technology revolution that has swept the world since Mr. Farmer worked at VOA 30 years ago. We regret proposing any cutbacks to language services but have given priority funding to satellite television, FM and FM radio and the Internet. Independent audience surveys show millions more each year turning to television as their prime source of news and shortwave radio listeners in sharp decline.

The same budget calls for expansion of services to North Korea and Iran and maintaining new services to Afghanistan and Somalia, to name a few examples.

The English speaking elites Mr. Farmer refers to are these days are watching CNN and the BBC in their offices and hotel rooms. It's those who get news in their native language who are often deprived of accurate news and information.

Finally, there is no proposal to "transfer \$25 million from VOA English to pop music stations." It's a great turn of phrase but has no basis in fact.

**Larry Hart, Coordinator**

**Broadcasting Board of Governors**

**Communications**

Mr. Farmer,

I will not comment on your opinion regarding the VOA but I will comment on, what I believe is, an unnecessary jab at Radio and TV Marti. Despite the fact that any survey in any country that is as heavily oppressed, as Cuba is, has its flaws, Radio Marti continues to be the number one foreign radio station in Cuba. The addition of AeroMarti broadcasting TV Marti into Cuba has proven very effective in overcoming the jamming efforts by the Cuban regime.

We continuously strive for excellence and credibility in our broadcasts and our listeners and viewers attest to this in their communications with us.

There are many dedicated men and women who make up the Radio and TV Marti team and to dismiss their dedication and hard work is an insult to their efforts.

**Alberto F. Mascaró**

**Chief of Staff**

**Office of Cuba Broadcasting**

**Neil Currie: "Let the VOA continue to broadcast to a troubled world."**

In Larry Hart's reply to Guy Farmer's article decrying the silencing of the Voice of America, he argues that Mr. Farmer "completely ignores the technological revolution that has swept the world" in the last 30 years. If so, then Mr. Hart must plead guilty to the same offense for he erroneously claims that shortwave is "in sharp decline."

No less an authority than the BBC says otherwise. In its annual audience survey released May 5, 2006, the BBC reported that the audience for its English language World Service increased by 3 million last year to 42 million, representing just over a quarter of its total radio listenership (which is in line with the percentage of English-speaking people in the world: 1.6 billion). Of its total 163 million listeners each week the BBC finds that fully two-thirds do so on shortwave. Indeed, the BBC survey states, "shortwave and medium wave listening (in all languages) showed an increase of around 5 million."

The Broadcasting Board of Governors (BBG), which controls the Voice of America (VOA), routinely claims that "shortwave is old technology". But they are only telling half the story. Much of the transmission of shortwave is old technology (although some new digital shortwave technologies are coming on stream). What is *new* is the *reception* of shortwave. Instead of an expensive,

cumbersome piece of equipment with multiple knobs and dials requiring an external antenna, now, for less than \$30.00, you can buy a little hand-held portable radio that receives not only multiple bands of international shortwave but also local AM and FM and does so using batteries, the wall outlet or a hand crank that for a minute of winding gets you an hour of listening.

Perhaps the real reason why VOA's shortwave audience has been declining is because of a self-fulfilling scheme which Mr. Hart did not share with you. An e-mail received April 5th from Nathan Samuels, a listener in Sydney, Australia explains:

Since you (VOA) dropped the frequency 15,290 kHz reception is not so good... it is hard for me to judge your decision why you deleted 15,290 and 17,740 kHz as these were two very good frequencies. It is a pity as your program content is excellent and I enjoy listening to the VOA broadcasts.

The BBG has silenced many VOA transmitters around the world in recent years and not just shortwave, either. Although Mr. Hart claims priority is being given FM and AM radio along with satellite TV and the Internet, the facts say otherwise. The BBG shut down major VOA transmitting stations at Karvala and Rhodes in Greece last year. They housed not only shortwave aimed at the Balkans, eastern Europe and Russia but also had immensely powerful AM transmitters that could be heard throughout the Middle East from Cairo to Istanbul and throughout eastern Europe. The BBG also let go an FM frequency in Berlin. (Note: the BBC has 2.3 million listeners per week in *English* in Germany.)

But the real issue is not shortwave or any other means of transmission, although it should be pointed out that only shortwave has the ability to travel the long distances needed to give the VOA worldwide reach. Our brief is for giving America an effective, efficient international voice. How efficient? VOA's worldwide English language radio service costs *one penny per week per listener*. That's efficient! Added together, English and the 15 other languages, including Rus-

sian and Chinese, which the BBG also plans to cut, cost 26-million dollars a year, just 3.9% of the BBG budget. By contrast, the BBG is seeking to add 7 1/2 million dollars to its existing 88-million dollar administrative budget. The respected audit firm, Booz-Allen Hamilton, says the BBG should be looking for ways to eliminate bureaucrats, not feed them more.

And, as to that old canard that "The English-speaking elites are these days watching CNN and the BBC in their offices and hotel rooms",

former BBG Chairman David Burke eloquently addressed that fatuous assertion: "CNN can be seen in hotel lobbies," he said, "VOA can be heard in refugee camps."

Let the VOA continue to broadcast to a troubled world. Silence says nothing for America.

*Neil Currie is a 23-year veteran of VOA and former anchor of "News Now," one of VOA's English-language programs. He now works with Radio Features Corporation.* 

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### WELCOME TO THE FOLLOWING NEW MEMBERS

**DAN BROWN, Natick, MA**  
**DAVID KRAUSE, Marysville, MD**  
**CURT PHILLIPS, Raleigh, NC**  
**BOB DUNN, River Ridge, LA**  
**JOHN BURCZYK, Greenport, NY**  
**DAVID McLAUGHLIN, Arlington, VA**  
**WARREN VOORHEES, Columbus, NE**  
**CURT PHILLIPS, Raleigh, NC**  
**BOB DUNN, River Ridge, LA**  
**JOHN BURCZYK, Greenport, NY**  
**DAVID McLAUGHLIN, Arlington, VA**  
**WARREN VOORHEES, Columbus, NE**  
**ENRICO OLIVA, East Northport, NY**  
**ROBERT VINCENTI, Westchester, IL**  
**STANLEY P. BOGEN, Cadillac, MI**  
**H.W. MARCELLUS, Longmont, CO**  
**STANLEY PEKOR, Manahawkin, NJ**  
**MICHAEL MILLER, Cazadero, CA**  
**DAVID DUNVILLE, Mechanicsville, VA**  
**JERRY STRAWMAN, Des Moines, IA**  
**TONY SPIEGEL, Mount Vernon, OH**  
**ROBERT McHALE, Upper Darby, PA**  
**DAVID J. TRACHTENBERG, Burke, VA**  
**PERRY COULOUFACOS, Bayside, NY**  
**DR. MARK J. FERRIOLI, Philadelphia, PA**  
**CHRISTOPHER P. WESTED, Hamburg, NJ**  
**RICHARD L. MITCHELL, Raleigh, NC**  
**PATRICK T. LEMMON, Roswell, GA**  
**DR. JERRY REDDING, Fredericksburg, VA**  
**ROBERT CHARLTON, Windsor, ON, CANADA**

# Listener's Notebook

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

## ALBANIA (non) Updated A-07 of NEXUS IBA IRRS-Shortwave Milano:

0930-1200 English NF 9510 CER or SHI Su, ex 9310  
1200-1300 French 15750 CER or SHI RRI Fr >>>deleted  
1300-1330 English NF 15750 CER or SHI Su, ex 15735  
1400-1500 German NF 6125 CER or SHI Su, ex 5775  
1600-1830 English NF 7285 CER or SHI Fr, ex 5775  
1600-1900 English NF 7285 CER or SHI Su, ex 5775

## EGR-European Gospel Radio

RRI=Radio Restoration Int

UNL=Universal Life.

All frequencies are NOT REGISTERED in A-07 and NOT via Bulgaria PLD/SOF/VRN Notification: HF Transmitter#1 in Shijak Radiostation was repaired on Apr.13 at 1600. All broadcasts of Radio Tirana and TWR(+NEXUS IBA IRRS-Shortwave?) via this transmitter are back on the air from now. (Drita Cico-ALB, Apr.13/DX Mix—BULGARIA)

**ARGENTINA** On Apr 12 I had the official information that the **RAE** Harris and GE transmitters at General Pacheco site are off the air on 9690, 11710 and 15345. (Barrera-ARG/DSWCI DX-Window/Petersen-DK)

## ARMENIA A-07 for CVC The Voice Asia via ERV-Eravan:

0400-0700 English 15515  
1300-1600 English 15615

(DX Mix—BULGARIA)

## AUSTRALIA A-07 for CVC International via DRW-Darwin:

0400-1000 Chinese 17830  
0400-1000 Indonesian 17820  
0600-0900 English 15335  
0900-1100 English 11955  
1000-1300 Indonesian 9670  
1000-1500 Chinese 13775  
1100-1800 English 13635  
1300-1700 Indonesian 6090  
1500-1800 Chinese 11770  
2200-0200 Chinese 15170  
2300-0200 Indonesian 15250

(DX Mix—BULGARIA)

## AUSTRIA A-07 for CVC International via MOS=Moosbrunn:

1000-1100 English-DRM 11815

(DX Mix—BULGARIA)

## BANGLADESH Bangladesh Betar A07:

1230-1300 English 7185  
1315-1345 Nepali 7185  
1400-1430 Urdu 7185  
1515-1545 Hindi 7185  
1600-1630 Arabic 7185  
1630-1730 Bangla 7185  
1815-1900 English 7185  
1915-2000 Bangla 7185  
1745-1815 English\* 7185

\* Voice Of Islam

(Ashik Eghal Tokon—Bangladesh, April 3/DX Listening Digest/Hauser-OK)

## BELGIUM (non) Frequency change of Radio Saa in Hausa Wed/Sat from Apr.18:

1600-1700 Hausa NF 13770 UNID RUS/CIS or TDF We/Sa, ex 15180

(DX Mix—BULGARIA)

**BOLIVIA** 4958.1v *Radiodifusora Tropico*, (ex-6037v), 1755 programa de mensajes. (April 17; Rogildo F. Aragio, Bolivia/DX Listening Digest/Hauser-OK)

## CANADA CKFX 6080 deleted:

<http://www.crtc.gc.ca/archive/ENG/Notices/2007/pb2007-38.htm>

which says in part: "Application by Rogers Broadcasting Limited (Rogers) to amend the licence of the English-language commercial radio programming undertaking CKWX Vancouver, British Columbia. The licensee proposes to delete the transmitter CKFX-SW Vancouver, British Columbia. Rogers has informed the Commission that the above-noted short wave (SW) transmitter is no longer in operation. " The calls are listed as CKFX in the public notice, though the Industry Canada database says CKFX is an FM station in North Bay, Ontario (Doug Smith W9WI Pleasant View, TN EM66, April 11/DX Listening Digest/Hauser-OK)

**CKFX** Vancouver, which operated on 6080 for several decades with a mighty 10 watts, but has been silent for many years now, will soon be officially a thing of the past. The license is still valid but will soon be deleted. I have a QSL from them which

I received in the mid 1980's when I was living in Edmonton AB. <http://www.crtc.gc.ca/archive/ENG/Notices/2007/pb2007-38.htm#3> Vancouver, British Columbia Application No. 2007-0450-4 (Deane McIntyre VE6BPO/DX Listening Digest/Hauser-OK)

**CENTRAL AFRICAN REPUBLIC** 6030 *Radio ICDI* (Integrated Community Development International), Boali: It seems they are also testing on 7160. See Mar 17 item from <http://www.acap-cf.info/> (Harald Kuhl, Germany, DXplorer/DX Listening Digest/Hauser-OK)

**CHILE** A-07 for *Voz Crista / La Voz via Santiago*:

0000-0400	Portuguese	11745
0100-0400	Spanish	6070 11655 11970
0400-0800	Spanish	6070 11655
0400-1100	Portuguese	6110
0800-1200	Spanish	5960 6070
1100-2400	Portuguese	15410
1200-1300	Spanish	6070 17680
1300-2300	Spanish	9635 17680
1800-2000	Portuguese*	17640
2300-0100	Spanish	6070 17680

\*DRM (DX Mix—BULGARIA)

**CHINA—TIBET** 4905 *Xizang PBS*—Lhasa, 1650-1705, April 9, nice surprise to hear English. American student talking about her experiences; invites people to come to their medical massage clinic in Lhasa, gives phone numbers, says to ask for directions at the hotel, list several types of medical massages that are available (one type cost 56 Renminbi [about 7.25 USD]); 1705-1725 in assume Tibetan, with classical western music, // 4920. (Ron Howard—CHINA/Japan Premium/Iwata Gaku—JAPAN)

**CLANDESTINE—ASIA** 9485 *Shiokaze/Sea Breeze*, via Taiwan by VT-Communication contract, \*1300-1325, Mar 26, piano IS, list of abductees names read in Korean with piano music in background, started out stronger than the Yamata broadcast but faded out. No sign of any jamming. This is their new frequency (ex: 9950). (Howard in China, and Petersen/DSWCI DX-Window/Petersen-DK). The program of this time slot is in English, Korean or Japanese. (Ohtake-JAPAN). On Mar 28 at \*1300, in English, with their full schedule and asks listeners to write in with information about any of the abductees, gives e-mail address and Tokyo address. Program with "List of abductees by age. The following number is the birth year." Good reception, with no jamming noted. (Howard, China). Heard \*1300-1345\*, Mar 30, English with a long commentary about North Korea. On Mar 31, English was heard only at 1330-1345, then Korean till 1400\*. Also noted 1317-1358\*, Apr 01, Japanese to 1330, then Korean to 1358\*. No longer closes down at 1330 as before. (Wilkins in DXplorer/DSWCI DX-Window/Petersen-DK) 9485 *Shiokaze Two*, via Taiwan, \*1300-1330\*, Mar 30, Apr 01, 03, 04 and 10, Su:

Japanese program. Tu: man reading list of abductees names (believe in Korean), with piano background music, 1327 s/off ann and piano IS; We and Fr: English program telling about politics in No. Korea, 1326 music, female ann with piano music; on days that they are in English, I have heard this "Two" in the ID, weak to good. (Howard-China, Kuhl and Wilkins in DXplorer/DSWCI DX-Window/Petersen-DK).

9785 *Radio Free Chosun* (RFC), via Taiwan, \*2000-2030\*, new clandestine on the air here in Korean to North Korea, ex 9795 where they were heard on Mar 22. Cf. 9485 above. (Yamashita via Bueschel and Kuhl in DXplorer/DSWCI DX-Window/Petersen-DK) <<http://www.rfchosun.org/main.html>>

This is a clandestine broadcast by South Korean human right organization "RFC" (Radio Free Chosun) to North Korea. "Chosun" in Korean means Korea.

In the web site broadcasting schedule are given as: 2000-2030 9785, 1330-1400 9845 (repeat). Both 9785 and 9845kHz are listed as Taiwan 100 kW in A07 frequency list.

The former name of the broadcast was "Sayu Chosun Chongyan Pansong" (Free Korean Central Broadcasting Station).

(Takahito Akabayashi-JPN, wwdxc BC-DX Apr 5/ Bueschel-DE)

**CROATIA** Summer A-07 schedule of *HRT HS-1* in Croatian:

0358-0757	6165
0758-1157	9830
1158-2257	6165
2258-0357	6165

(DX Mix—BULGARIA)

**DOMINICAN REPUBLIC** 5009.79 *Radio Pueblo*, Santo Domingo, 2350-0001\*, April 20-21, Presumed with Spanish talk. Could not catch an ID. Poor, weak in noise. Radio Pueblo heard here on this exact frequency back in March with a 0001 sign off (Brian Alexander, PA/DX Listening Digest/Hauser-OK)

**ECUADOR** Special DRM tests of *HCJB Global* thru May 26:

0100-0400	9915 QUI
0400-0630	9870 QUI
1500-0100	15680 QUI

(DX Mix—BULGARIA)

**ETHIOPIA** 6185.02 *Voice of Tigray Revolution*, 0356, April 13, IS under co-channel Vatican R in Lithuanian, into Tigrinya? 0400 // 5970 in the clear. These two new frequencies replace 5980 and 9650. (Groot-NETHERLANDS/DSWCI DX-Window/Petersen-DK)

**FRANCE** Summer A-07 of *Radio France International* in Russian:

1300-1338 15155 ISS 17805 ISS  
1500-1528 13630 ISS 15345 ISS  
1800-1858 9805 ISS 11670 ISS

Summer A-07 of *Radio France International* in Pashto:

1430-1500 15340\*ISS 17850 ISS

(DX Mix—BULGARIA)

*Radio France International* has posted its A-07 schedules in pdf, including Africa at [http://www.rfi.fr/radiofr/statiques/afrique\\_ete2007.pdf](http://www.rfi.fr/radiofr/statiques/afrique_ete2007.pdf)

English:

0400-0430 9805 11995  
0500-0530 13680 15160  
0600-0630 15160 17800 11725  
0700-0730 13675 [separate entries to different parts of Africa]  
0730-0800 13675 [separate entries to different parts of Africa; or is 0730-0800 a mistake for 0700-0730 too?]  
1200-1230 17800  
1600-1700 15605 17605 15160

Don't you believe the English frequencies on the more easily accessible [http://www.rfi.fr/langues/statiques/rfi\\_anglais.asp](http://www.rfi.fr/langues/statiques/rfi_anglais.asp) which are years out of date! (Glenn Hauser, April 2/DX Listening Digest)

**GERMANY** Frequency change of *Deutsche Welle* in DRM:

1400-1500NF 13660 SIN, ex 15440

(DX Mix—BULGARIA)

**GERMANY/ZAMBIA** A-07 of *CVC International* via WER=Wertachtal & LUS=Lusaka:

Until May 31:

0500-0600 English 9430 WER  
0600-0900 English 15640 WER  
1500-1800 English 15715 WER  
1800-2100 English 13820 WER

From June 1:

0500-0600 English 9430 LUS  
0600-0900 English 13650 LUS  
0900-1500 English 13590 LUS  
1500-1800 English 15715 LUS  
1800-2100 English 5940 LUS

(DX Mix—BULGARIA)

**HUNGARY** Summer A-07 schedule of *Radio Budapest*:

0000-0058 Hungarian 6195  
0100-0128 English 6040  
0130-0228 Hungarian 6140  
0230-0258 English 6195  
0300-0328 Russian 3975 6025

0330-0358 Spanish 3975 6025  
0400-1158 Hungarian\* 6025  
1100-1158 Hungarian 21590  
1158-1558 Hungarian\* 6025 Mo-Sa  
1200-1258 German 6025 7275 Su  
1300-1358 Hungarian 6025 Su  
1400-1458 German 6025 7275 Su  
1500-1528 English 6025 9610 Su  
1530-1558 Russian 6025 9690 Su  
1600-1628 French 6025 9850  
1630-1658 Music 3975 6025  
1700-1728 Russian 6025 9685 Mo-Sa  
1700-1758 Hungarian 15365  
1700-1758 German 3975 6025 Su  
1730-1758 German 3975 6025 Mo-Sa  
1800-1858 Hungarian 3975 6025 11840  
1900-1928 English 3975 6025  
1930-1958 German 3975 6025 Mo-Sa  
1930-1958 Russian 3975 6025 Su  
2000-2028 French 3975 6025  
2000-2058 Hungarian 11695  
2030-2058 Music 3975 6025  
2100-2128 English 6025 9525  
2100-2158 Hungarian 3975  
2130-2158 Spanish 6025 7250  
2200-2258 Hungarian 6025 9665 12030  
2300-2358 Hungarian 9665 12030 Su

\* relay HS-1 "Kossuth Radio"

(DX Mix News, Bulgaria, March 29 via DXLD)

**INDONESIA** *Voice of Indonesia* continues to use 11785 in the new broadcasting season, English heard here 2000-2100 (Edwin Southwell, England, April WDXC Contact/DX Listening Digest/Hauser-OK)

**KUWAIT** Summer A-07 for IBB via KWT:

0000-0100 RFE Kazakh 5945  
0100-0200 VOA English 7430  
0100-0300 RFA Tibetan 9365  
0130-0230 ASH Dari 12140  
0200-0400 RFE Turkmen 9555  
0230-0330 AFG Pashto 12140 15690  
0330-0430 AFG Dari 15615 15690  
0330-0530 FAR Persian 5860  
0430-0530 AFG Pashto 15615 17670  
0530-0630 AFG Dari 17670  
0600-0700 RFA Tibetan 17780  
0630-0730 AFG Pashto 17685  
0730-0830 AFG Dari 15615 17685  
0830-0930 AFG Pashto 15615 17685  
0930-1030 AFG Dari 15090 17685  
1000-1400 FAR Persian 7125  
1030-1130 AFG Pashto 15090  
1100-1200 RFA Tibetan 17855  
1130-1230 AFG Dari 15090  
1200-1400 RFA Tibetan 11590  
1230-1330 AFG Pashto 11550 15090  
1330-1430 AFG Dari 11550 15090  
1400-1500 AKD Urdu 9510

1400-1500	VOA Tibetan	11975
1430-1500	ASH Pashto	9335 15090
1500-1530	ASH Dari	9335 15090
1500-1530	VOA Uzbek	11590
1500-1600	RFA Tibetan	11550
1530-1630	ASH Pashto	9335 15090
1600-1700	RFE Uzbek	7555 12150
1630-1730	ASH Dari	9335 11565
1700-1800	AKD Urdu	9320
1730-1800	ASH Pashto	9335 11565
1800-1830	ASH Dari	9335 11565
1830-1930	VOA Persian	5860
1830-1930	ASH Pashto	7555
1930-2030	ASH Dari	7555
1930-2130	FAR Persian	5830
2030-0030	VOA English	7555
2300-2400	RFA Tibetan	7500

AFG=Radio Free Afghanistan

AKD=Radio Aap Ki Duniya

ASH=Radio Ashna

FAR=Radio Farda

RFA=Radio Free Asia

RFE=Radio Free Europe

VOA=Voice of America

(DX Mix—BULGARIA)

**MOLDOVA** Radio Pridnestrovye now using 5965

1600-1640 Monday to Friday, English 1600-1620 Monday to Thursday, 1600-1640 Friday if same pattern as last season. (Marty Delfin, Spain, DX Listening Digest, Mike Barraclough, April World DX Club Contact/DX Listening Digest/Hauser-OK)

**NETHERLANDS (non)** Frequency change of **RNW** in DRM:

0200-0300 English NF 9405 GUF, ex 9830

(DX Mix—BULGARIA)

**NIGERIA** Voice of Nigeria changed some frequencies: 0800-1000+ West African Service 9690 instead of 7255, 1630 Arabic 15120 instead of 11770, with different antenna than English later, 2200-2300 Hausa 9690 instead of 7255, while French at 2100 is still on 7255 (Thorsten Hallmann, Germany, <http://www.africalist.de.ms> April 21/DX Listening Digest/Hauser-OK)

**PAKISTAN** Frequency change of **Radio Pakistan**:

1700-1900 Urdu NF 9375 ISL, ex 9380

(DX Mix—BULGARIA)

**Radio Pakistan's** printed schedule arrived today, and here's the updated domestic and foreign services.

The only remaining domestic "Regional Services" on SW are:

via API-4 (Rewat 100 kW), 0200-0400 and 1300-1800 on 5080 (This same transmitter is the one listed for Islamabad Program to Gulf & Iran on 6235 at 1915-0045 via 260 degrees)

and via API-8 (Rewat 100 kW), Rawalpindi III (otherwise identified as Azad Kashmir), 0045-0215 & 1445-1815 on 4790 and 0900-1215 on 7265. And this same transmitter is used to carry Balti Service 0430-0515 and Sheena Service 0530-0615, both on 6065.

The Rawalpindi 10 kW unit is still used at 0230-0425 and 1335-1430 on 4790 for "Rawalpindi III Program."

Quetta 10 kW continues 0045-0404(Friday 0345) and 1200-1805 on 5025; 0600-1145 (Fri only 0400-0820 & 1000-1145) on 7155

And they still list Peshawar 10 kW at 1100-1400 on 7220 for Chitrali service.

Foreign Service via Rewat API-3 100 kW: The Turki Service is the one wrongly listed in their previous schedule—it should be 1330-1400 on 4835 and Dari at 1515-1545 also on 4835. (March 30, Noel R. Green-UK/DX Listening Digest/via BC-DX/Bueschel-DE)

**POLAND (non)** Change in **Polish Radio** External Service:

2100-2200 Polish 7140 NAU, ex POR=Pori, Finland // 6135 WER

(DX Mix—BULGARIA)

**Polskie Radio** summer schedule:

1030-1059	Polish	7285 5965
1100-1125	Russian	13745 13840
1130-1159	German	5975 5965
1200-1259	English	11850 9525
1300-1329	Russian	11835 13800
1330-1430	Belarussian	7180 6035
1430-1455	Russian	7180
1430-1459	Ukrainian	6000
1500-1529	Ukrainian	9440 9555
1530-1555	German	5975
1530-1630	Polish	6050
1630-1659	Belarussian	6050
1700-1759	English	7140 7265
1800-1829	Russian	6175
1800-1830	Hebrew	9695
1830-1859	Ukrainian	6145 6175
1900-1929	Ukrainian	5910
1900-1955	Russian	6050
1930-1955	German	6110 6140
2100-2200	Polish	6050 7265

Esperanto language broadcasts have been cancelled.

(Jacek Szymik, POLAND, April 11/DX Listening Digest/Hauser-OK)

[OK, which of these is correct?—AQ]

**ROMANIA** Frequency changes for **Radio Romania International**:

0630-0656 Arabic NF 9685 TIG, ex 9695  
1700-1726 Ukrainian NF 7165 TIG, ex 7185

(DX Mix—BULGARIA)

**RUSSIA** Summer A-07 for **Tatarstan Wave** via TRW (TRW=TV Radio Wave):

0410-0500 Russian/Tatar 15110 SAM  
0610-0700 Russian/Tatar 9690 SAM  
0810-0900 Russian/Tatar 11925 SAM

Summer A-07 of **WYFR Family Radio** via TRW:

0900-1100 English 9450 IRK  
1000-1100 Japanese 7150 K/A  
1100-1200 Korean 9450 IRK  
1100-1400 Chinese 9865 P.K 12150 A-A  
1200-1300 Korean 6005 K/A  
1200-1300 Vietnamese 11895 IRK  
1200-1300 Indonesian 15490 NVS  
1300-1400 Burmese 11520 A-A  
1300-1400 English 11895 IRK  
1400-1500 Gujarati 13590 SAM  
1400-1500 Telugu 12055 SAM  
1400-1500 Nepali 7215 IRK  
1400-1500 Tamil 9625 NVS  
1400-1500 English 7320 TCH 9865 P.K

12150 A-A  
1400-1600 Bengali 11850 ARM  
1400-1600 Punjabi 9735 SAM  
1400-1600 Urdu 7510 TAC  
1400-1700 Hindi 5845 DB  
1500-1600 Marathi 12075 ARM  
1500-1600 English 7320 TCH  
1600-1700 Persian 7520 SMF  
1700-1900 Russian 9495 TAC  
1800-1900 Arabic 7240 SAM  
1800-1900 Polish 9615 SAM  
1900-2000 English 7240 SAM  
1900-2000 Spanish 7340 MSK  
1900-2000 German 7320 SAM  
1900-2000 French 12060 ARM  
1900-2000 Italian 9490 MSK  
2000-2200 English 7360 KCH

Summer A-07 for **Democratic Voice of Burma** via TRW:

1430-1527 Burmese 15480 ERV // 17625 MDC via RNW

Summer A-07 for **Trans World Radio Europe** via TRW:

1445-1530 Polish 5910 ARM Su  
1500-1530 Polish 5910 ARM Mo-Sa  
1530-1600 Hungarian 5910 ARM  
1600-1615 Czech 5910 ARM 7345 S.P  
Mo/Tu/Th/Fr  
1600-1630 Romanian 5910 ARM 7345 S.P Sa

Summer A-07 for **Voice of Orthodox** via TRW:

1530-1600 Russian 9355 A-A Tu/Fr

Summer A-07 for **Radio Prague** via TRW:

1630-1657 German 11825 ARM  
1800-1827 Russian 5840 DB

Summer A-07 for **DMR Radio Pridnestrovye** via TRW:

1600-1620 English 5965 KCH Mo-Th  
1600-1640 English 5965 KCH Fr  
1620-1640 French 5965 KCH Tu/Th  
1620-1640 German 5965 KCH Mo/We

Summer A-07 for **Radio Anternational/International** via TRW:

1630-1730 Farsi 6225 SMF

(DX Mix—BULGARIA)

The 9495 kHz transmitter, officially located in Abkhazia, carries **Radio Kuban**, Krasnodar on Mon-Fri and **Radio Sochi** on Sat at 0610-0630 UT. Both stations speak only on one subject: the future Winter Olympics in Sochi in 2012. (Rumen Pankov, Bulgaria, April BDXC-UK Communication/DX Listening Digest/Hauser-OK)

**SAUDI ARABIA** Summer A-07 of **BSKSA** External Service:

0500-0755 Urdu 15370  
0800-0955 French 17785  
0900-1155 Indonesian 21670  
1000-1155 English 15250  
1200-1455 Bengali 17820  
1400-1555 French 17660  
1500-1755 Persian 7150

(DX Mix—BULGARIA)

[Don't forget last month's report of English 1600-1700 on 17660-AQ]

**SERBIA** As of April 21, **International Radio Serbia** replaced long time 6100 kHz with new 7240 kHz, nominally to improve reception in Europe. [But it's not a very good choice!-AQ]

All broadcasts are via mobile transmitter Stubline, Serbia, non-directional, 7240 kHz 10 kW:

1300-1330 English  
1330-1400 Serbian  
1400-1430 Spanish  
1430-1500 Arabic  
1500-1530 Russian  
1530-1600 French  
1600-1630 German  
1630-1645 Mandarin  
1645-1700 Albanian  
1700-1715 Hungarian  
1715-1730 Greek  
1730-1800 Italian  
1800-1830 Russian  
1830-1900 English  
1900-1930 Spanish  
1930-2000 Serbian Su-Fr  
1930-2030 Serbian Sa

2000-2030 German Su-Fr  
2030-2100 French

(Dragan Lekic—Serbia, April 21/DX Listening Digest/Hauser-OK)

**SOUTH AFRICA** Updated schedule for *SW Radio Africa* in English:

1700-1900 4880 MEY 11775 MSK 11810 ARM  
11975 KVI 12035 RMP

(DX Mix-BULGARIA)

**TURKEY** Summer A-07 schedule for *Voice of Turkey*:

0100-0155	Spanish	9770
0100-0255	Turkish	7260
0300-0355	English	5975 7270
0600-0625	Albanian	9700
0700-0755	Azeri	11730 15140
0700-0755	Georgian	9760
0700-0855	Turkish	11750 11955 15350
0800-0825	Macedonian	11690
0830-0955	Persian	11795 15220
0900-0925	Romanian	9560
0900-1055	Arabic	11690 15520
0900-1255	Turkish	11955 15350 17605
1000-1025	Hungarian	13770
1030-1055	Greek	7295 9840
1100-1125	Bulgarian	7210
1100-1155	Chinese	17715
1130-1225	Albanian	11875
1130-1225	German	13760
1200-1225	Uzbek	11795
1200-1255	Urdu	13710
1230-1325	English	13685 15450
1230-1325	Persian	11940
1300-1355	Russian	13720
1300-1525	Turkish	11680
1330-1355	Bosnian	9655
1330-1355	Kyrgyz	9575
1400-1425	Turkmen	11935
1400-1455	Azeri	7150
1400-1555	Arabic	11665 15285
1430-1455	Greek	6050
1500-1525	Tatar	9855
1500-1525	Kazakh	9690
1530-1855	Turkish	5960 6120 9460 9560
1600-1625	Serbocroatian	9605
1630-1655	Italian	9610
1630-1725	Spanish	13720
1700-1755	Russian	9675
1730-1825	German	13640
1800-1825	Bosnian	5980
1830-1925	English	9785
1900-2055	Turkish	5960 6120 9460
1930-2025	French	5980 9535
2030-2125	English	7170
2200-2255	English	6195

(DX Mix News, Bulgaria, April 3/DX Listening Digest/Hauser-OK)

**UGANDA** The Christian station *Dunamis Shortwave* in Uganda has finally started on 4750. Noted here 23 Apr 2007 at 1733 after CNR station had closed down. *Dunamis Shortwave* signed off at 1902. Their schedule at the moment is 1500-1900 UT. (Jari Savolainen-FINLAND/Cumbre DX)

**UKRAINE** Summer A-07 schedule of *Radio Ukraine International*:

0000-0100	English	7440 LVV
0000-0100	Ukrainian	7530 KHR
0100-0300	Ukrainian	7440 LVV 7530 KHR
0300-0400	English	7440 LVV
0300-0500	Ukrainian	7530 KHR
0500-0600	English	9945 KHR
0600-0700	Ukrainian	9945 KHR
0700-0800	English	9945 KHR
0800-1100	Ukrainian	15675 KHR
1100-1200	English	15675 KHR
1200-1300	Ukrainian	15675 KHR
1300-1700	Ukrainian	7530 KHR
1700-1800	German	7490 KHR
1800-1900	Ukrainian	7490 KHR
1900-2000	English	7490 KHR
2000-2100	German	7490 KHR
2100-2200	English	7510 KHR
2200-2300	Ukrainian	7510 KHR
2300-2400	German	7510 KHR
2300-2400	Ukrainian	7440 LVV

(via Igor, April 21/DX Listening Digest/Hauser-OK)

**UNITED KINGDOM (non)** Additional transmissions via VT Communications:

*Radio Prague*:

0330-0357 English 6080 SAC

*SW Radio Africa*:

1700-1900 4880 MEY 11775 MSK 11810 ARM  
11975 KVI 12035 RMP

*WYFR Family Radio*:

1800-1900 English 9845 DHA

(DX Mix—BULGARIA)

**UNITED STATES WRMI** A07 transmission schedule:

0000-0100	Spanish	5910WER Tu-Sa
0000-0400	Sp/English	9955 Su/Mo
0000-0400	English	7385 Tu-Sa
0100-0300	Spanish	5910 9735SAC Tu-Sa
0300-0400	Spanish	5910 9735SAC 9955 Tu-Sa
0400-1400	Sp/English	9955
1400-1600	En/Spanish	7385
1600-2100	Spanish	9955
1700-1730	Oromo	15650JUL Sa
2100-2200	English	7385 Su
2200-2400	Spanish	9955 Sa
2300-2400	Spanish	5910WER Mo-Fr
2300-2400	Sp/English	9955 Su

(Romero-SPAIN/Japan Premium/Iwata Gaku-JAPAN)

Frequency changes of **WYFR** in SoAs langs via DTK T-Systems:

1300-1400 NF 15640 WER, ex 15660  
1500-1600 NF 13830 WER, ex 13665  
1600-1800 NF 11730 WER, ex 11610

Frequency changes of **WYFR** in Hindi via Tajikistan:

1400-1700 NF 5845 DB, ex-5855

Additional transmission of **WYFR Family Radio** via DTK T-Systems:

1800-1900 Romanian 7220 JUL >>>> new language

Extended evening transmission of **Brother Stair TOM** English:

1900-2100 English 6175 NAU, ex 1900-2000

Summer A-07 of VOA's **Deewa Radio** in Pashto:

1300-1600 9310 IRA 11510 IRA  
1600-1700 7510 IRA 9310 IRA  
1700-1900 7510 IRA 9310 IRA

Summer A-07 for **Voice of America** in Somali:

1600-1630 11675 IRA 15675 SAO  
1700-1730 11675 IRA 15675 BOT

Frequency changes for **IBB**:

0300-0400 **RL** Avani/Chechen/ NF 9430 LAM,  
Cherkassi ex 9460  
0300-0700 **RFA** Mandarin NF 21550 TIN,  
ex 13670  
1200-1300 **VOA** English 11860 TIN, ex  
11680  
1200-1400 **RFA** Tibetan NF 11605 TIN,  
ex 13625  
1500-1530 **VOA** Uzbek NF 6115 TIN,  
ex 17685  
1500-1600 **RFA** Mandarin NF 11540 TIN,  
ex 13725  
1600-1630 **RFI** Romanian NF 11975 BIB,  
ex 11985  
1600-1800 **RFA** Mandarin NF 11540 TIN,  
ex 13715  
1830-1845 **VOA** Croatian NF 7180 BIB,  
ex 7175  
2200-2230 **VOA** Khmer NF 15340 TIN,  
ex 13725  
2200-2300 **RFA** Cantonese NF 11715 TIN,  
ex 13865  
2230-2300 **VOA** SplEnglish NF 11705 TIN,  
ex 13755  
2230-2330 **VOA** Vietnamese NF 15340 TIN,  
ex 13725  
2300-2400 **RFA** Mandarin NF 11785 TIN,  
ex 13670, NF  
15485 SAI, ex  
13775  
2330-2400 **VOA** SplEnglish NF 15340 TIN,  
ex 13725

(DX Mix—BULGARIA)

**Radio Marti** schedule, 15330 not [yet] listed. All via Greenville except as noted:

0000-0300 6030 7365 11775  
0300-0400 6030 7365 7405 Tu-Su  
0400-0700 6030 7405 Tu-Su  
0700-0900 5980 6030 Tu-Su  
0900-1000 5980 6030  
1000-1200 5980 6030 9805  
1200-1300 7405 9805 13820  
1300-1400 7405 11845 13820  
1400-1700 11845 11930 13820  
1700-2000 9565 11930 13820  
2000-2200 9565 11930 13820DELANO  
2200-2300 6030 11930 13820DELANO  
2300-2400 6030 7365 13820DELANO

(Bueschel-DE/WWDXC BC-DX, Apr 9)

**KNLS** broadcast schedule:

0800-0900 English 7355  
0800-1100 Mandarin 11765  
0900-1000 Russian 7355  
1000-1100 English 6890  
1100-1200 Mandarin 11870  
1100-1200 Russian 7355  
1200-1300 English 7355 9780  
1300-1400 Mandarin 9780 9795  
1400-1500 English 7355  
1400-1800 Mandarin 9920  
1500-1800 Russian 7355

(Bueschel-DE/BC-DX Apr 8)

9265.04 **WMLK** Bethel, Pennsylvania, 1950-2000\*, April 20, English religious talk about the teachings of Yahweh. Closing announcements at 1957 giving ID, (wrong) schedule, (wrong) frequency, & address. Frequency announced as 9465. I think they last used 9465 back in 2004. Reception was weak but readable. Monday-Friday only. Irregular (Brian Alexander, PA/DX Listening Digest/Hausen-OK)

**UZBEKISTAN** A-07 for **CVC The Voice Asia** via TAC=Tashkent:

0100-0300 English 11790 TAC  
0100-0400 Hindi 9975 TAC  
0300-0600 English 13680 TAC  
0400-1100 Hindi 13630 TAC  
1100-1400 Hindi 13820 TAC  
1400-2000 Hindi 6260 TAC

(DX Mix—BULGARIA)

**VIETNAM** 4739.85 **Radio TV Son La**, Apl 09 1259-1309 Vietnamese, Folk music and talk, ID at 1300, (April 9, Hashimoto—JAPAN/Japan Premium/Iwata Gaku—JAPAN)

**ZAMBIA** A-07 for **Christian Voice** via LUS=Lusaka:

0600-1500 English 6065 LUS  
1500-0600 English 4965 LUS

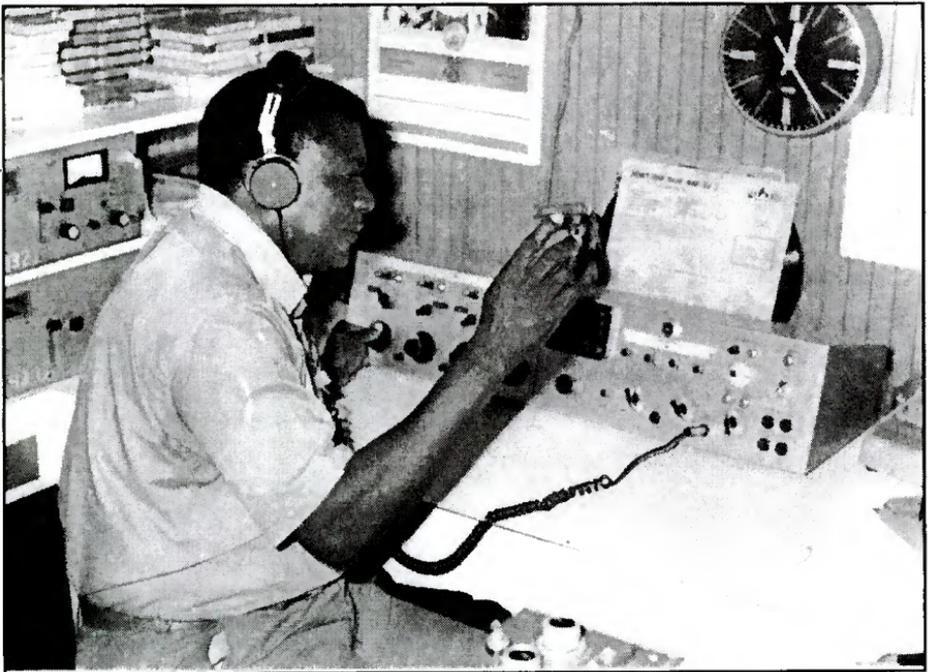
(DX Mix—BULGARIA)

**ZIMBABWE** Zimbabwe's Information Minister Sikhanyiso Ndlovu has said that the country's new international SW radio station, *News24*, will start broadcasting before independence celebrations on Apr 18. The new radio station will be based in Gweru, and should be available to audiences both in and outside Zimbabwe. "There will be a revolutionary development in the media. We should be able to tell our own story," Ndlovu is quoted as saying. The Herald says the government is spending US\$35 million on the project. (<http://www.southgatearc.org/news/april2007/news24.htm> via Liangas, Apr 10) If you wondered how Zimbabwe, whose economy is in a desperate state, can afford to set up a new international radio station, the answer is simple -it cannot. But President Robert Mugabe has found a donor who can—Iran. Reports vary on the exact cost of the project—the BBC reports US\$39.6 million and ABC Australia \$48 million, rather than the \$35 million reported by the Herald yesterday. But inflation is so high in Zimbabwe that it is very difficult to perform an accurate conversion—the figure in local currency is quoted by the BBC as Z\$8.9bn. Iran is understood to have assisted in refurbishing the studio facilities in Harare that will be used by the sta-

tion, and is now said to have agreed to do the same in Zimbabwe's second city, Bulawayo. The Herald quotes the Iranian ambassador, Rasoul Momeni, as saying "We are going to strengthen our relationship, especially in technically upgrading radio and television stations." The transmitters near Gweru are widely reported to have been donated by the Chinese government, so apparently Zimbabwe is able to count on both countries for technical assistance. No frequency details have yet been published, and the website of the Zimbabwe Broadcasting Corporation has been unavailable for some time. We would expect test transmissions to commence at least a few days prior to Apr 18, the date by which the station will be operational. ([http://www.southgatearc.org/news/april2007/iran\\_zimbabwe\\_radio.htm](http://www.southgatearc.org/news/april2007/iran_zimbabwe_radio.htm) via Liangas, Apr 10./DSWCI DX-Window/Petersen-DK)

Frequencies have not yet been announced but Chris Greenway suggests checking Zimbabwe's previous SW frequencies, i.e. 3306, 3396, 4828, 6045, "I believe this one has been planned for some time, to counter SW Radio Africa, Voice of the People and VOA Studio 7." (BDXC-UK via Berg, Apr 10./DSWCI DX-Window/Petersen-DK)

**SW**



Announcer at the Ghana Broadcasting Corporation, circa 1985

# Pirate Radio Report

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

Hello and welcome to the May 2007 *Pirate Radio Report*! I am very happy to report that despite conditions being only so-so, there has still been a lot of activity on the pirate band here in North America.

## Europirates on Saturday Evenings

Over the past several weeks, a few Europirates have been operating on the 48 meter pirate band [6200-6401 kHz] during the 2200-0100 UTC time period. Dutch pirates such as **Cupid Radio**, **Radio Borderhunter**, the Greek pirate **Radio Odyssey** and the Finnish station **Radio Bluehouse** via a Dutch relay have been heard with readable signals on the East Coast of North America. So, give it a try before static levels become too high.

Many thanks to the following fine folks for their reception reports. Brian Alexander-PA, Rich D'Angelo-PA, George Zeller-OH.

**Cupid Radio**, The Dutch pirate run by operator Rinus, was logged on 6265.15 kHz in the AM mode at 0115-past 0145 UTC on April 8<sup>th</sup>. Rock music, IDs. Weak to fair reception. [Alexander-PA]

**Maple Leaf Radio**, a station from our friends north of the border was noted on April 18<sup>th</sup> from 0007 past 0016 UTC on 6025 USB. IDs, mentions of Bugs Bunny were noted. Also heard at 2332 on the same date and frequency with oldies such as "Pictures Of Matchstick Men" by the Status Quo. [Lobdell-MA]

**Mystery Radio**, logged on 6220.1 kHz from 2322 past 2335 UTC on April 1<sup>st</sup>. Non-stop rock vocals, with man announcer giving station ID occasionally. Fair. (D'Angelo-PA)

**Sunshine Radio-Grasscutter Radio**, Heard with another one of their popular joint broadcasts with oldies music on April 19<sup>th</sup> at 2245 UTC on 6925 USB. Several IDs given by the Sunshine Lady and greetings to those on the FRN. [Lobdell-MA]

**TCS-The Crystal Ship** was logged on the 90 meter frequency of 3274.7 AM from 0036 past 0150 on April 18<sup>th</sup>. Program of rock music with The Poet. Usual slogan of "The V. of the Blue States R. Republic." Little political content on this local Wednesday evening broadcast. Belfast address. (Zeller-OH)

**UPMB-United Patriot Militia Bingo Radio**, noted on 6950 USB from 2350 sign on past 0039\* on April 1<sup>st</sup>. Opened up with non-stop bits with Jay Smilkstein voice segments, "number 9" repeated often, talk about collecting money for new bingo machine, bingo number called out by a woman, frequent IDs. Good signal. [D'Angelo-PA]

**WBNY "Radio Bunny"** was logged on 6925 USB from 2307 to 0004 sign off on April 7<sup>th</sup>-8<sup>th</sup> with an SIO: 343. Commander Bunny with a program in solidarity with the rodent freedom fighters. Mainly a program of rock music with some remarks by Commander Bunny. IDed both as WBNY and also as R. Bunny. [Zeller-OH]

**WMR-Weekend Music Radio**, a Scottish pirate, was logged on 6400.12 kHz AM from 0405 UTC on April 8<sup>th</sup>. Pop music. Possible ID. [Alexander-PA] Also noted on the same frequency with a fairly readable signal on April 21<sup>st</sup> at 2340 UTC playing a British [BBC?] comedy drama. [Lobdell-MA]

**WTCR aka Twentieth Century Radio**, was logged on 6925 kHz USB from 0035 to 0132 sign off on April 22<sup>nd</sup> SIO was 242. Sign on with usual MGM trumpet fanfare repeated three times. Into prgm of rock oldies mx, including Santana, Neil Young, Carly Simon, and similar 1960s groups. OM ID as "This is WTCR, 20th Century R., your source of music of the 1900s." Belfast address, requesting three stamps with reports (Zeller-OH)

Until next month, Happy Pirate DX! 

# QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



**ALBANIA:** China Radio International 6020 f/d cd. in 2 wks for an email rpt. (Mitchell-NC).

**AUSTRIA:** Radio Osterreich International 13675 f/d cd. in 2 wks. for an email rpt. (Mitchell-NC).

**BOLIVIA:** Radio Logos 4865 verified through Latcom office in New Castle (PA) by signing and stamping my prepared

cd. Rcvd. separate postcard from Hope Cummins, Bookkeeper in 12 ds. The separate "Cup Offered To All" postcard contained a handwritten note from the v/s mentioning: "We received your letter about receiving Radio Logos from Santa Cruz, Bolivia. I faxed your letter to Bolivia. Perhaps they will reply. (D'Angelo-PA).

**BONAIRE:** Radio Nederland Wereldomroep 17810 f/d cd. in 3 wks. for an email rpt. (Mitchell-NC).

**BRASIL:** Radio Novo Tempo 4895 via Campo Grande f/d b&w cd., 2 stickers and a full color magazine in 53 ds. for a PT rpt., ms. and a Harpers Ferry postcard. v/s Daniel Goncalves and Ellen Ramos. (Vranes-WV). Radio Alvorada de Londrina 4865 my rpt. was returned by the P.O. Back of envelope had a large stamp in FR indicating "Parti" which means left or departed. I used the WRTH 2006 addr. Any help? (Vranes-WV). Radio Congonhas

4775 via Congonhas p/d ltr. w/ 2 small and 1

medium station sticker and a very nice full color station brochure in PT and EG in 41 ds. for a PT rpt. and ms. Addr: Fundacao Radiodifusora de Congonhas, Praca de Basilica 130, C.P. 5, Congonhas, MG Cep 36.415-000, Brasil. Very beautiful stamps on the envelope.

(Vranes-WV)...Nice reports...Sam.

**CANADA:** Radio Japan 6145 via Sackville f/d "Trees in Winter" cd. w/ sked. and report form in 22 ds. (Brouillette-IL). Japan Shortwave Club 6145 via Sackville f/d "Year of the Boar" cd. w/ JSWC info sheet in 25 ds. for \$1.00. v/s Toshi Ohtake. (Brouillette-IL).

**CLANDESTINE:** Radio Waaberi 17550 via Juelich, Germany verified via WRMI in 94 ds. w/ a f/d "WRMI Palm Tree Map" cd. v/s Jeff White (D'Angelo-PA).

**CROATIA:** Voice of Croatia 7285 f/d email reply in 1 day. (Mitchell-NC)

**CUBA:** China Radio International 9580 f/d cd. in 2 wks. (Mitchell-NC).

**EURO PIRATES:** Radio Borderhunter 6210 f/d Certificate, ltr., and a tourist bro-

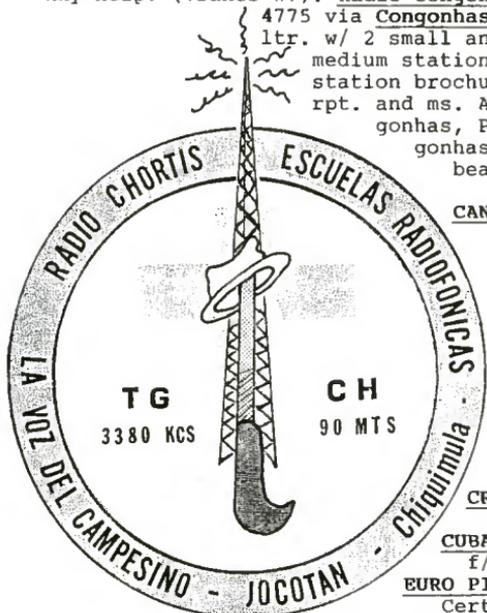


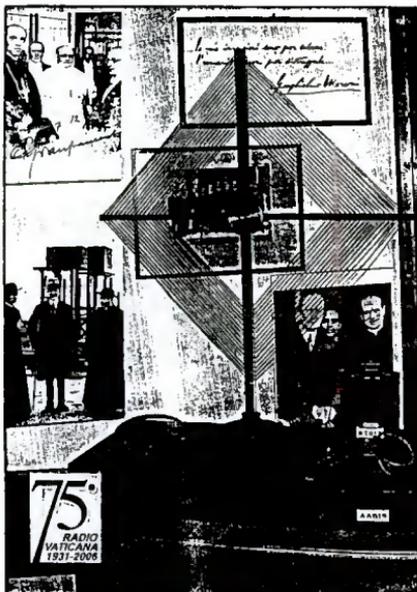
Sr.: Samuel L. Barto  
DE: Argely de Affre  
SECRETARIA

TGW RADIO NACIONAL, se complace por este medio en confirmar su reporte de recepcion en la frecuencia de 9760 Khz, del dia, 9/12/81

TGW RADIO NACIONAL «LA VOZ DE GUATEMALA», transmite en 840 Khz Onda Media, 8180 Khz Onda Corta banda de 40 metros, 100.1 y 107.1 Mhz Frecuencia Modulada.

Muy agradecidos por su reporte recibia un saludo del «País de la Eterna Primavera».





chure from operator Frans in 76 ds. for \$2.00 and 3 Harpers Ferry postcards. (Note to DXers - Frans is a postcard collector) He says that the station is located in the Netherlands in the Belgium enclaves. Addr: P.O. Box 2702, NL-6049 ZG Herten, The Netherlands. Email: borderhunterradio@hotmail.com (Vranes-WV).

- \* **Mystery Radio 6220** "Twilight Zone" email QSL in 12 ds. for an email rpt. and an mp3 attachment to: mysteryradio@googlemail.com (PoguetN). QSL in 25 minutes for an email rpt. during a live broadcast. v/s Andy Walker and Chris Ise. (Vranes-WV).
- \* **Cupid Radio 15070.1** operator Rinus verified my email rpt. w/ 2 separate emails requesting a postal rpt. for a formal QSL. (D'Angelo-PA).
- \* **Radio Odyssey 6310** via Greece p/d email QSL in 2 ds. for a rpt. to: odyssey.greece@yahoo.gr Also rcvd. full details about the transmitter

**STATION NOTES: Radio Budapest 6025** via **Rimavska Sobota** v/s Mrs. Rita Far-

ago, Presentatrice Speaker. Email: [italiano@kaf.radio.hu](mailto:italiano@kaf.radio.hu). **Channel Africa 15235** v/s Mrs. Kathy Otto, Broadcasting Planning. Addr: Private Bag X06, Honeydew 2049, Johannesburg. **Radio Okapi 11690** via **Meyerton** Addr: Fondation Hirondele, Rue Traversiere 3, CH-1018 Lausanne, Switzerland. **Star Radio 11965** Email: [info@hirondele.org](mailto:info@hirondele.org). **Radio Samorodinka 3922.5** v/s Leo Stepanovich Shishkin. Addr: BOX 898, Moscow 101000, Russia. **Radio Rwanda 6055** v/s Willy. Email: [radiovwanda@yahoo.com](mailto:radiovwanda@yahoo.com). **International Service of Serbia 9680** Email: [radioyu@bitsyu.net](mailto:radioyu@bitsyu.net). Addr: P.O. Box 200, Hilendarska 2, BH-11000 Beograd...via PLAY DX...Sam.



and antenna setup. (Vranes-WV).

**GOA: All India Radio 9820** via **Panaji** f/d "Temples 17 and 18, Sanchi" cd. in 107 ds. for 2 IRCs. v/s Y.K. Sharma. (Wilkins-MO).

**Greece: Voice of Greece 7475** f/d cd. in 1 mo. for an email rpt. (Mitchell-NC).

**HUNGARY: Radio Budapest 9590** f/d "Antenna Tower and Old Photos" cd. in 31 ds. for 1 IRC. Also rcvd. sked. (Brouillette-IL).

**JAPAN: Radio Nikkei 3925** f/d cd. in 23 ds. (Pogue-TN).

**LITHUANIA: Voice of the Islamic Repub-**

\* **lic of Iran 6055** via **Sitkuani** QSL arrived in 5 ds. after my email rpt. to the IRIB English Service. The v/s "Dory" promised a postal QSL reply. (D'Angelo-PA).

\* **The Mighty KBC 6255** via **Sitkuani** station verified w/ a f/d tee shirt / transmitter cd. in 17 ds. for an email rpt. to: [info@-po.com](mailto:info@-po.com). The web site is <http://www.k-po.com> v/s Tom de Wit. (D'Angelo-PA). f/d postal cd. in 3 wks. for a rpt to: Argonstraat 6, 6718 WT Ede, Ho-

**VERIFICATION OF RECEPTION**

(QSL) form

VOICE OF AMERICA

**Date: 6-September-2005**      **Date: 4-September-2005**  
**Time (GMT): 22:08 - 22:20**      **Time (GMT): 03:15 - 03:27**  
**Frequency: 7215 kHz**      **Frequency: 7340 kHz**  
**Philippines Relay Station**      **Sri Lanka Relay Station**

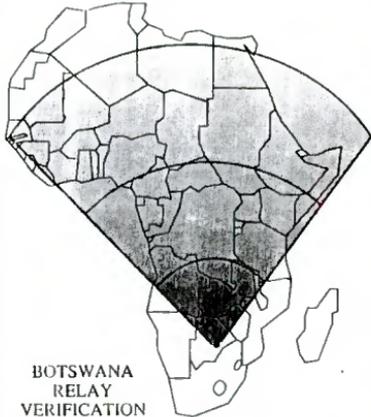
**Date: 7-September-2005**      **Date: 6-September-2005**  
**Time (GMT): 04:30 - 04:43**      **Time (GMT): 22:08 - 22:20**  
**Frequency: 7290 kHz**      **Frequency: 12140 kHz**  
**Sao Tome Relay Station**      **Kuwait Relay Station**

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





VOICE OF AMERICA  
YEARS OF BROADCASTING TO THE WORLD  
1942 - 1992



BOTSWANA  
RELAY  
VERIFICATION

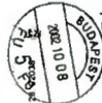
CD from Dr. Benway in 4 mos. for an email rpt. to: [undercoverradio@mail.com](mailto:undercoverradio@mail.com) (Vranes-WV). **WMFO Where's My F\*\*\*ing QSL** 6952.65 f/d ltr. and a Labor Day Fair program in 102 ds. for 3 ms. for a rpt. to the Merlin drop. v/s Mr. Q Esselle! (Vranes-WV). **Captain Morgan** 6925 f/d QSL - clock and XMAS cd. w/ personal magazine in 1 mo. for a rpt. om FRN. The clock is a black and white battery-powered West-clox Quartz wall clock w/ the verie info on the front face. Definitely a first for me. (Vranes-WV)...This reminds me of the amateur radio QSL I received from American Samoa on one their old license plates!..Sam. **WDDR** 6925 f/d cd. w/ 2 CDs and a personal note from Eric Blair in 56 ds. for an email rpt to: [ericblair@wddr1027.com](mailto:ericblair@wddr1027.com) (Vranes-WV). **WHJR Hey Joe Radio** 6925 full color email QSL in 10 ds. for an

**STATION NOTES: RRI Makassar** 4750 v/s Dra. Rasdimanbudi B., Senior Manager Bag-ian Adm. and Keuangan. **Coalition Maritime Forces** 6125 Addr: U.S. Dept. of Naval Forces Central Command (Middle

the Navy, Commander of the U.S. East), FPO AE 09501-6008. v/s K.W. Auten, Captain US Navy, ACOS Operations. **IRIB External Services** 15084 Addr: P.O. Box 19395-6767 Teheran, Iran. **Kenya Broadcasting Corporation** 4935 v/s Mrs. Edith R.N. Njeru. **Voice of Korea** 6250 Addr: VOK, Radio Television Broadcasting Committee of DPRK, Pyongyang, DPRK...via PLAY DX...Sam.

email rpt. to: [heyjoe6925@gmail.com](mailto:heyjoe6925@gmail.com) (Vranes-WV). **Iron Man Radio** 6925 small but a very colorful cds. in 25 ds. for 3 ms. and a rpt. to the Belfast drop. (Vranes-WV). **Sunshine Radio** 6925 CD w/ XMAS cd. in 4 ds. and 3 email QSLs in 5 ds. for a rpt to: [grasscutterrado@yahoo.com](mailto:grasscutterrado@yahoo.com). (Vranes-WV).

BUDAPEST  
RADIO BUDAPEST  
HUNGARY - 1800



TAXE PERCUE  
1365 BP. 5.

DEAR FRIEND,

We take pleasure in verifying your reception report at our workshopt.  
Date: 10-01-1992 at 01:00 hours  
On: \_\_\_\_\_ From: Radio QSL 9100 MHz

Please check for your information and we shall appreciate your further reports, as well as comments on our broadcast. Good listening, DX and 73!  
Apologies if my being here!

YOURS SINCERELY  
ENGLISH LANGUAGE BROADCAST  
OF RADIO BUDAPEST

S.R. BARROW JR.  
P.O. Box 892  
INTERVALE  
N.K. 03845

MTI Form 008, 10 is Budapest, Hungary v/s 703

Fold: (Saving Jara)  
Fold: (Saving Cash)



SW in the 75, 49, 41, 31, 25, 22, 19, 16 and 13 metre bands  
87W kHz (84.1, 13.0, 12.6, 385 (Rome) - FM (in Rome) kHz) 93.3, 105.0  
Satellite:  
- INFELSAT ATLANTIC, 123.5° East, 4097.75 MHz, LINCIP polarization.  
- INFELSAT INDIAN, 42° East, 4097.100 MHz, LINCIP polarization.  
- EUTELSAT INDIAN 2 (13° East, bouquet RAL, vertical polar. 11884)  
Il servizio Servizio della Radio Vaticana è visibile su appuntamento.  
L'azione Radio Vaticana Affari non ha ristretto un appuntamento.  
tel.: +39 06 698 61995 - +39 06 698 61883  
email: [radio@radiovaticana.va](mailto:radio@radiovaticana.va)  
[www.radiovaticana.org](http://www.radiovaticana.org)  
Per informazioni please contact - Per informazioni in inglese:  
Radio Vaticana - 00120 Città del Vaticano  
tel.: +39 06 698 61995 - fax: +39 06 698 61883  
E-mail: [radio@radiovaticana.va](mailto:radio@radiovaticana.va)  
Homepage: [www.radiovaticana.org](http://www.radiovaticana.org)



In 1970, 2000 Century entered radio w/c. In the background, historical photographs of Pope St. Marcellus and St. Callisto in the Arch-Diocese of Viterbo on Radio.  
Radio è palcoscenico di tutto il mondo. Sono anche di Pio XI, Marconi e P. Giordani, ecc. presso direttore della Radio Vaticana.

I'm going to end it here.  
The few remaining QSLs will be in the next QSL Column.

*Sam*

# Contributors' Page

Bob Montgomery • P.O. Box 1458 • Levittown, PA 19058 • rmonty23@verizon.net

## DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

Mike AGNER, Glen Burnie, MD	RX-320, carpet loop, helicals
Brian ALEXANDER, Mechanicsburg, PA	NRD-545 AOR AR-7030 100' LW
Scott BARBOUR, Intervale, NH	R-75, MLB-1, 200' Beverage
Jerry BERG, Lexington, MA	R8 19, 41, 90 meter dipoles
Mike BRANCO, Islip, NY	Grundig Satellit 800
George CARAS, Saco, ME	RX340, R8B, Orion, R30, SE3, 550lw, verticals
Ross COMEAU, Andover, MA	R8, 60' LW
Rich D'ANGELO, Wyomissing, PA	TenTec R340, Lowe HF-150, DX Sloper
Mick DELMAGE, Sherwood Park, AB	Collins HF-2050 Ant: KLM Log Periodic
Gerry DEXTER, Lake Geneva, WI	NRD-515, NRD-545, etón E1
Jerry EVANS, Germantown, TN	RX340, 30 m wire, R8B LFE-H800 EF-SWL
Bob FRASER, Belfast, ME	Sony ICF-2003 ICF-SW100s 2m LW
Glenn HAUSER, Enid, OK	FRG-7, DX-398, SW-07, ATS-909, YB400 lw
George HERR, Playa del Rey, CA	G303e. R8B, NRD535, 45' lw, Am Rad active antenna
Ron HOWARD, Monterey, CA	NRD545, LW 160', etón E5
Steve LARE, Holland, MI	Drake R7, R8, R8A & R8B, 70' & 200' wires
William MCGUIRE, Cheverly, MD	DX-380
Rich MITCHELL, Raleigh, NC	RX-320D, FRG-7, DX-375, PAR EL-SWL
Jim RENFREW, Byron, NY	Drake R8B, 1000 bev w/ 100' wire, Quantum Phaser
Jim RONDA, Tulsa, OK	NRD-545, R75, etón E1, Eavesdropper
Clem SHEMANSKI, Wilmington, NC	Sat 700
Paul SHINN, Valley Springs, CA	R390A, 160' LW
Jerry STRAWMAN, Des Moines, IA	R-8, 313e, 60 mtr dipole, mini whip
Mark TAYLOR, Madison, WI	R-75, Sat 800, EWE, Eavesdropper
Earl URBELIS, Kings Park, NY	SW-55 and LW antenna
Joe WOOD, Gray, TN	DX-390, Grundig Mini 100 PE, whip antenna 

## Notice to our Overseas Members

Because of what seems to be an almost complete breakdown in the delivery service provided by the private company we were using for overseas mailing of the NASWA Journal, we now have to begin using the U.S. Postal Service Air Mail. Since this entails higher postage rates, we are forced to raise the rates for overseas members as follows:

South America and the Caribbean	\$38.00
Europe	\$40.00
Asia and Africa	\$42.00

These new rates will begin on June 1, 2007 and we will accept prepayment of dues.

# Tropical Band Loggings

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

- 3250.1 **HONDURAS R. Luz y Vida** 0319-0342 M w/Latin vocals, W w/ID, beginning of next vocal selection at 0323; M ID & SS rel talk from 0329; poor 3/30. (D'Angelo-PA)
- 3274.6 **PIRATE (NA) The Crystal Ship** 0241-0340\* non-stop collection of 1980s pop tunes with host The Poet IDing 0300 & 0326 before closedown 0335 („This is the Voice of the Blue States Republic%oo). Gave tcsshortwave@yahoo.com and Belfast addresses for reports. P-F 4/11. (D'Angelo-PA)
- 3291.14 **GUYANA V. Guyana** 0630-0700+ BBC WS pgmg w/BBC World news, pgm about Zimbabwe conflict. "The World Today" BBC news program at 0700. Good 3/31. (Alexander, PA) 3291.2, 0302-0341 M ancr hosting pgm of ancient pop vocals with IDs. P-F 3/22. (D'Angelo-PA)
- 3320 **S. AFRICA R. Sondergrense** 0259-0305 in Africaans; rock (in Africaans), M ID, probable news (w/ place names). Poor 3/30. (Taylor-WI) Tentative, 0520-0557\*, very distorted signal w/talk & mx; too distorted to catch any further details. I guess this could be South Africa, although South Africa is scheduled to sign off at 0530. 4/15 (Alexander-PA)
- 3340 **HONDURAS R. Misiones Internacionales** 0535-0605\* SS ballads, LA mx; SS anmts, ID 0555; abruptly pulled plug at 0605; fair 3/25. (Alexander-PA)
- 3345 **S. AFRICA Ch. Africa** 0304-0342 m EE nx re Zimbabwe; ID; 0313 drums, then Friday Sports News program; fair 3/30. (D'Angelo-PA)
- 3350 **COSTA RICA REE** 0309 M in SS, followed by music; good 3/26. (Morrissey-MA)
- 3396 **ZIMBABWE R. Zimbabwe** 0312-0335 mellow mx, M ancr in local language, Afropop, 0330 M talk including ID, more Afropop; fair 3/30. (Taylor-WI) 0034-0110+ variety of local choral mx, Afro-pop mx; talk in vernacular; weak, poor in noise 3/24. (Alexander-PA) 0300-0342 M ancr in EE w/multiple IDs mentioning sw frequency of 6,065 kHz in the 49 meter band and various FM channels; program of local vocals hosted by the same man followed; fair 3/21. (D'Angelo-PA)
- 4716.9 **BOLIVIA R. Yura** 0045 local campesino music, ID 0051, more music; 4/1. (Brandi-NJ)
- 4750 **CHINA CNR-1** 1537 and also at 2103, Chinese pgmg, // 4800 & 5030. Fair 3/30. (Howard-China)
- 4755 **BRAZIL R. Educação Rural** Campo Grande 0300 w/music & M in PP; quite good 4/6. (Dexter-WI)
- 4769.95 **NIGERIA R. Nigeria** \*0057+ Sunday 4/15 on much later than usual, and slightly off fq, w/M&W discussion of Nigerian politics and media. However, very difficult to hear anything more than small phrases and a few words here and there, due to over modulation/muddy audio. "Radio Nigeria" ID 0057, with brief instrumental breaks before and after the hour, and back to talk. USB, LSB, and AM equally frustrating in trying to bring in acceptable audio. Too bad, because the signal strength and lack of interference, especially lack of CODAR, should have resulted in better reception; 4/15. (Comeau-MA)
- 4780 **DJIBOUTI R. Djibouti** \*0300-0333+ s/on w/NA; vernacular talk; Koran 0303; local mx 0330; weak under utility station; poor 4/8. (Alexander-PA) 0304-0348 AA talk, ID 0310; then M chanting w/explanations & into mx 0326; heavy QRM from sweepers and data bursts; poor 4/9. (Wood-TN) Also 0330-0340 M AA talk, MoR ME mx w/cmtry; poor 4/14. (Wood-TN)
- 4780 **GUATAMALA R. Cultural Coatan** 0129-0133 in SS; full ID by M w/several mentions of "Radio Cultural" and "Coatan" to rustic flute and band music; fair 3/25. (Taylor-WI)
- 4790 **PERU R. Visión** Chiclayo 0305 better than usual with a rarely noted ID at 0306 and the usual CODAR mix; 4/6. (Dexter-WI) 4790.1, 0149-0233 M SS speech before a live audience, bridge, ann w/ (service?) times, then talk about salvacion, same M as before ToH, another M alt. w/ 1st (2nd reading Bible verses?), W. w/occ comment by 1st M, bridge, M talk, 0230 ID sequence - series of 3 AM stations then "Radio Visión, Onda Corta", mx; fair 3/30. (Taylor-WI) Also 0254-0307 4/5 and 1157-1210 4/7. Fair-poor. (Taylor-WI)
- 4800 **GUATEMALA R. Buenos Nuevas** (t) 0324-0329 M SS ancrs w/listeners call ins & lively Latin music. P-F 4/14. (Wood-TN)
- 4805 **BRAZIL R. Difusora do Amazonas** 0122-0141\* various men with PP talk & some instl mx; off w/no anmts; poor signal battling heavy CODAR QRM 3/28. (D'Angelo-PA)
- 4814.97 **ECUADOR R. Buen Pastor** (P) 0245 long winded tlk, some Andean style vocals into more tlk and instls - no ID heard but likely them. Much better on USB, gone by 0305. 3/25. (Agner-MD)
- 4815 **BRAZIL R. Difusora Londrina** 0231-0254\* rel vocals, M w/PP rel talk; carrier cut in mid-song; poor to fair with CODAR QRM 3/19. (D'Angelo-PA)

- 4824.5 **PERU La Voz de la Selva** 0105-0114\* M SS talk, flute mx, ads, ID & off without a National Anthem being played. Fair signal but severe CODAR QRM 4/13. (D'Angelo-PA) 0311 extremely weak under sweeps; barely there 4/6. (Dexter-WI)
- 4835 **AUSTRALIA ABC** Alice Springs 0805-0835\* live sports commentary; talk about World Cup; abrupt s/off. // 4910-Tennant Creek-signing off at 0830. Both frequencies weak 4/15. (Alexander-PA)
- 4835.4 **MALI Rdiff Television du Mali** 2320-0001\* M FF talk, then pop mx vocal; discussion by two men followed the music. Mix of talk and pop music to 0000 ID & s/off anmts, then orchestral NA; poor but //5995 was fair 3/30. (D'Angelo-PA)
- 4845.2 **BRAZIL R. Cultura Onda Tropicalas** (T) 0138-0145 PP sports cast w/sound effects - fútbol? Poor 3/30. (Taylor-WI)
- 4865 **BRAZIL R. Alvorada** Alvorada 0120-0137 in PP; Brazillian style pop & ballads w/M ancr, ID 0132, bridge to different M talking; poor 3/30. (Taylor-WI)
- 4881.5u **PIRATE '66.1 Smooth FM'** 0600 anmt "Taking a short intermission, be back in 10 minutes". Carrier off. Back 0605 w/mx 'Purple Rain' by Prince; 0609 M DJ with statement "I received a 2007 Dodge Charger with OP in the trunk" then ID "Sixty Six point One, Smooth FM". Carrier off. 0611 carrier back on, playing some sort of rap music. Sounds like audio being coupled into a microphone from a speaker, not a direct connection to transmitter. Carrier off again 0613, back 0616 w/M DJ, off again; 0617 CW sending 'TMP68' over and over. 0619 carrier on w/music. Female singer and some r&b. Off 0622. This one was WEIRD! But a neat find. 4/6. (Shinn-CA)
- 4885 **BRAZIL R. Clube do Pará** Belém 0140-0150 PP ID, M talking w/reverb & occasional sound effects; fair 3/25. (Taylor-WI) Also 0313-0340 in PP, contemporary Brazilian mx; M ancr, sports, M ID 0329, more talk by M; good 4/5. (Taylor-WI)
- 4905 **TIBET Xizang PBS** Lhasa 1650-1705 nice surprise to hear English. American student talking about her experiences; invites people to come to their medical massage clinic in Lhasa, gives phone numbers, says to ask for directions at the hotel, list several types of medical massages that are available (one type cost 56 Renminbi [about 7.25 USD]); 1705-1725 in assume Tibetan, with classical western music, // 4920. 4/9. (Howard-China)
- 4910 **AUSTRALIA ABC** Tennant Creek 1229, ABC Radio ID 1230; nx headlines by W, into CW mx pgm; S9 signal at tune-in but weakened after 1230. Never heard before. 4/7. (Strawman-IA) 1455-1530+ ABC pgm at tune in 1455; CW mx, chat through ToH; TC at 9 minutes past; ABC News 1530; fair but weakening past 1530. (Delmage-AB)
- 4915v **UNID** 0413-0242 M&W ancres w/lots of DJ patter; long string of cover music in EE; songs included: "Pretty Woman," "Woolly Booly," "My Baby Does the Hanky Panky," and several others. Heavy static. Poor 4/14. (Wood-TN)
- 4919 **ECUADOR R. Quito** 0156-0225 two men w/SS talk, then ID & ad string 0302; poor to fair with some QRM from CODAR 4/11. (D'Angelo-PA)
- 4930 **BOTSWANA VOA** Moepong Hill 0315-0340 nx features w/VOA News Now IDs, TC for „22 minutes past the hour“ & world news at 0330; fair with CODAR QRM 4/2. (D'Angelo-PA)
- 4970 **INDIA AIR Shillong** 1504-1545 W DJ in EE w/dedications of pop songs, news in vernacular at 1530 with "The news at nine" in English. Checked for parallels during the news, found 4775, 4850 and 9425. 3/30. 1 Also 1602-1630\* M DJ in EE w/pop songs, s/off with "This is the North Eastern Service of All India Radio broadcasting from Shillong on 60... meters, 4970 kHz", fair 3/24. Also 1623-1631 M DJ in EE w/jazz pgm, ID & off; 4/10. (Howard-China)
- 5009.79 **DOM.REP. R. Pueblo** Santo Domingo 0000-0001\* just caught the end of their transmission with choral type mx at tune-in. ID anmt 0001 & off. Good reception for this one minute, 3/24. (Alexander-PA)
- 5010 **MADAGASCAR R. National Malagasy** \*0254-0335 tuned in to hear local vocals prior to official s/on; choral NA 0300, then M ancr in Malagasy w/ID & anmts; group singing w/more anmts, some over music; pgm of short talks, anmts 7 mx features; fair to good 3/31. (D'Angelo-PA)
- 5014.35 **PERU R. Aitura** 0150 local mx, talk by M&W 0200, ID 0203, into more music, 4/10. (Brandi-NJ)
- 5030 **BURKINA FASO R. Burkina** \*0527-0540+ s/on 0527 w/test tone; NA 0528; Afro-pops 0530; FF anmts; fair level 3/30, but mixing with Gene Scott's University Network, Costa Rica. (Alexander-PA)
- 5770 **MYANMAR Defense Forces Broadcasting Station** (T) 1446-1522\* pop songs, M ancr; weak, mostly poor 3/31. (Howard-China)
- 5844.92 **CANADA Sackville leapfrogging spurs** 0140-0155+, 3/31/07. Fair 6340.04 spur of 6009.96 - Radio Sweden in English and very weak 5844.92 spur of 6175-Voice of Vietnam. 165.04 kHz separation between each frequency. I was surprised to find Sackville-6010 slightly off frequency. (Alexander-PA)

# International Band Loggings

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- 5915 **ZAMBIA Radio Zambia** Lusaka in Kaonde \*0241, s/on w/ Fish Eagle IS, choral NA 0252, into talk in Kaonde vernacular, weak and poor (Alexander PA 4/13)
- 59393 **PERU R Melodia** Arequipa \*0800, s/on ancmts, IDs, lively Latin American and OA mx, poor with adjacent channel splatter (Alexander PA)
- 5950 **TAIWAN R Taipei Int** in EG 0250, discussion on sleep need, req rpts, mx, ID, fqy. QRM from WYFR at 0300 but good until then (Mitchell NC 4/14)
- 5965 **MALAYSIA Klasik Nasional FM** relay via RTM in Malaysian 1343, YL DJ w/pop mx, various IDs, singing jingle, 2 pips at 1400, nx, fair (Howard CA 4/15)
- 5975 **FRENCH GUIANA BBC** relay in EG \*2200, ID, pips, TC, rpt on Iran, good (McGuire MD 4/4)
- 5995 **AUSTRALIA RA** in EG 0843, pgm on flying, ID, invitation to website, Robin Williams discussing Kyoto accords, poor (Mitchell NC 4/8)
- 5995 **MALI RTVM** in FR 2354, pop vcls, talk, ID, NA, s/off 0002, p-f, //48354 (D'Angelo PA 4/13)
- 6050 **MALAYSIA Suara Islam** via RTM in Vern 1407-1443, Qu'ran recital, IDs, p-f (Howard CHINA 3/30)
- 6060 **CHINA Sichuan PBS-2** in CH 1126-1224, traditional CH mx, canned ID w/fanfare, fqys incl // on 5900, also ID in EG "This is the Voice of Golden Bridge", f-p (Howard CHINA 3/24)
- 6065 **CHINA CNR-2 China Business Radio** Beijing in EG/CH 1301-1359, "English Evening" by Michael and Curtis in EG and CH, discussing film festivals, business nx, listing FM outlets in China, feature on "Studio Classroom Worldwide", several SW // fqys and FM 91.4 listed, f-g (Howard CHINA 3/30)
- 6095nf **NEW ZEALAND RNZI** in EG 1401, nx re dog attack in Hamilton, ex-5950 (Hauser OK 3/25)
- 61098nf **CHILE Voz Cristiana** Santiago in PT 0510-0610, SP/EG contemporary Christian mx, strong signal but difficult reception w/Japan relay via Canada on 6110, good after relay s/off 0600 (Alexander PA 3/30)
- 61398 **COLOMBIA R Lider** in SP 0338-0408, LA mx, ID, frequent IDs, talks, poor w/significant splatter from RHC Havana on 6140 (D'Angelo PA 3/20, Taylor WI 3/18, Hauser 3/19)
- 6165 **ZAMBIA R Zambia-Radio 2** in EG \*0241, s/on w/Fish Eagle IS, instrumental NA 0251, weak and signal clobbered at 0253 by R Nederland s/on with powerful signal (Alexander PA 4/13)
- 6175 **CANADA V of Vietnam** relay via Sackville in EG 0336, cmntry, ID, talks re peace and stability on border w/China, Vietnam as a modern industrialized nation by 2020, poor w/QRM (Mitchell NC 4/14)
- 6255 **LITHUANIA The Mighty KBC** via Sitkunai in EG 2214, rock mx, ID, fqy, f-g (D'Angelo PA 3/31)
- 6350usb **HAWAII AFRS** relay Pearl Harbor in EG 1145-1230, "Morning Edition" w/news, sports, NPR features, good reception (Urbelis NY)
- 7100 **ERITREA V of the Broad Masses 1** in Tigrinya \*0354-0425+, IS, talk, HOA, f (Alexander PA 4/12)
- 7105 **BELARUS R Belarus** Minsk in EG 2105-2200, nx, cmntry, ID, local mx, QRM (Alexander PA 4/5)
- 7125 **VATICAN CITY Vatican Radio** in EG 2259, YL talking re Easter Sunday service, ID, Latin Liturgy, weak signal was only fair (Strawman IA 4/7)
- 7175 **ERITREA V of the Broad Masses 2** Asmara in Vern \*0354-0425+, IS, talks, lite instrum'l mx, Horn of Africa mx, poor under R Liberty (Germany) until 0400 when they signed off (Alexander PA 4/12)
- 7200 **RUSSIA R Rossii** relay via Yakutsk in RS 1208-1253, IDs, great pgm of jazz mx, usual audio problem (warble), // 5920 Petropavlovsk relay (Howard CHINA 4/9)
- 7235 **IRAN VOIRI** Sirjan in EG 0202, cmntry on "Bush violation of international law, US pursuit of new nuclear arms, 'mission accomplished', Voice of Justice ID, off at 0227, fair (Mitchell NC 4/13)
- 7250 **ARMENIA V of Russia** relay Yerevan in EG/RS 0148, interview w/Lufthansa official re Russian air travel market, "Kaleidoscope", band mx, ID, fqy, website, E-mail, IS, to RS 0200 (Mitchell NC 4/13)
- 7255 **NIGERIA V of Nigeria** Ikorodu in FR 2151, talk, W African pop mx, instrum'ls, ID, switch to Hausa language 2200, talks, closedown at 2258 w/prayer and NA (Evans TN 3/23, D'Angelo PA 4/2)
- 7280 **CHINA V of the Strait** Fuzhou in CH 1115-1205, talks by YL/OM, news, CH mx, pips 1200, ancmts, slogan, ID over band theme, fair (Urbelis NY, Taylor WI 4/4)
- 7295 **MALAYSIA Traxx FM** via RTM relay in EG 1409-1519, sports nx, DJ Navsta with his rock pgm with songs by Bob Dylan, Rolling Stones etc, promo, 2 pips 1500, nx, DJ's website, f (Howard CA 4/13)
- 7320 **RUSSIA V of Russia** Moscow in EG 1850, "Music at Your Request", f, //7105 (Fraser ME 3/20)
- 7400 **BULGARIA R Bulgaria** in EG \*0000, IS, ID, fqy, sked, g (McGuire MD 3/25) in EG 2240 beamed to W Europe, "DX Corner" feature, good, //9400 also good (Fraser ME 3/16)

- 9330 **SYRIA R Damascus** in EG 2110-2209\*, AR mx, nx in EG, cmntry, poor signal riding on top of WBCQ in LSB, abrupt s/off after NA at 2209 (Alexander PA 4/6, Strawman IA 4/7)
- 9335 **SRI LANKA R Farda** relay in Farsi 2114-2130\*, OM w/talks, IDs, local vocals, f (D'Angelo PA 3/18)
- 9425 **INDIA AIR** Bangalore in EG/HD 1730, news in EG to 1735, then into HD programming to f/o 1830, reception excellent at 1730 t/in, played extra long song w/no verbal cut-ins (Delmage AB 4/14)
- 9430 **PHILIPPINES FEBC** Manila in CH 1357, YL w/interview, "Amazing Grace" song in EG, then back to interview in CH at 1410, poor reception (Caras ME 3/10)
- 9440 **SLOVAK REPUBLIC R Slovakia** in Slovak 0131, mx "Living is Easy", cmntry, f (Mitchell NC 4/9)
- 9495 **IRAN V of Justice** in EG \*0126, ID, lite instrum'l mx, NA, Koran at 0132, nx 0138, poor signal but better on //7235 but w/some HAM QRM (Alexander PA 3/30, Delmage AB)
- 9525 **CHINA CRI** in EG 1610, nx beamed to Europe, ID, QSL request, f-p (Caras ME 3/11)
- 9525 **INDONESIA V of Indonesia** Jakarta in IN 1118, canned ID in EG, local mx, pop songs and ballads, Mideast-influenced instrum'ls mixed in (Strawman IA 4/1, Howard CA 3/30, Hauser OK 4/5)
- 9535 **JAPAN R Japan** Tokyo in EG 1707, world nx, feature called "World Interactive" w/hi-tech segment, signal subject to deep fading (Strawman IA 4/7)
- 9575 **MOROCCO R Medi Un** in FR/AR 2256-2323, group singing, ID and ancmts in FR 2259, into AR with ID and news, AR vocals, f-g (D'Angelo PA 4/1)
- 9580 **CUBA China R Int** relay in EG \*0100, ID, national/regional nx, mention Japan, g (McGuire MD 4/6)
- 9580 **AUSTRALIA RA** in EG 1215, feature on "Muslims in Australia", vg, //9590 (Fraser ME 3/18) in EG 0856, news, mx, commentary, g (Mitchell NC 4/8)
- 9590 **CHINA China R Int** Kashi in SP \*2300, IS, ID, national and regional nx, p (McGuire MD 4/11)
- 95993v **MEXICO XEYU R Universidad** in SP 0339, SP tlk and classical mx, IDs, p-f (D'Angelo PA 3/31)
- RHC Havana dominates fqy from 1100-1300 causing powerful het, Mexico in the clear thereafter, however (Hauser OK 3/26) in SP 1458 w/classical mx, audio modulation low w/deep fades, signal gone by 1530 (Strawman IA 4/1, Alexander PA 3/24)
- 9630 **SEYCHELLES IS BBC** relay in Somali 1800, nx clips to Africa, IDs in passing, g (Caras ME 3/18)
- 9665v **BRAZIL R Marumby** Florianapolis in PT 0537, pop mx, relig tlk, Hallejujahs, p (Caras ME 3/25)
- 9680 **INDONESIA RRI Jakarta** w/Kang Guru Radio in EG 1001, pgm #5506 presented by Kevin and Fiona talking about Aussie volunteers, Sun. and Wed. only, f (Howard CA 4/15)
- 9720 **GUAM AWR Voice of Hope** in EG 2138-2200\*, program about the seven pillars of Christianity, many IDs, gave AWR address in India, f-g (Howard CHINA 3/23)
- 9755 **RWANDA Deut Welle** relay Kigali in EG 0518, fascinating African Focus pgm about Eritrea as a nation of poets, interviewing a scholar from Penn State U (Hauser OK 3/19)
- 9760 **PHILIPPINES VOA** relay in EG 1333, "Jazz America" and "What a Wonderful World" w/host saying how much better it would be if the world were run by jazz musicians, promos for nx programs, fqys, IS, ID (Hauser OK 4/1, Strawman IA 3/31, Urbelis NY)
- 9765nf **RUSSIA R Tikhivy Okean** (R Pacific Ocean) in RS \*0835-0900\*, s/on with "Govorit Vladivostok" ID w/sound of ship's bells, several nice RS folk songs/ballads, f, //12065 p (Howard CHINA 4/8)
- 9775 **RWANDA Deut Welle** relay Kigali in GM 2205, nx, mention Al Queda, ID, g (McGuire MD 4/12)
- 9780 **TAIWAN RTI** in CH 1200-1230, "Taiwan Network" nx, variety pgm, CH mx, //11665 (Urbelis NY)
- 9820 **CHINA Guangxi FBS** Nanning in CH 1230, Cantonese program'g, //5050 (Howard CHINA 3/30) in VT 2306, news w/actualities, S4 signal w/clear audio cutting thru noisy band (Strawman IA 4/7)
- 9820 **INDIA AIR** Panaji (Goa) in Sinhalese \*1258, "Song of India" IS, nice mx, chants, S5 signal but low audio strength (Strawman IA 4/9, Caras ME)
- 9835 **THAILAND R Thailand** Udon Thani in EG 1249, commercial for resort, talk re Thai New Year celebration, TC for 7:20 (taped 1/2 hr earlier?), nx of Japan quake (Strawman IA 4/7, Hauser OK 3/26)
- 9840 **ITALY RAI** Rome in IT 2300-2345, Italian/Euro pop mx, IDs, variety pgm, f, //11800 (Urbelis NY)
- 9930 **HAWAII KWHR** Naalehu in EG 1115-1155, Bible pgms, sermon, Christian mx, ID, f (Urbelis NY)
- 11690 **SOUTH AFRICA R Okapi** in FR/Vern 0505-0559\*, talks, "Okapi" jingles, f (Alexander PA 4/13)
- 11695 **HUNGARY R Budapest** in FR 1950, pop mx, commentary, IS, ID, g (Mitchell NC 4/8)
- 11735 **TANZANIA R Tanzania-Zanzibar** in EG/SH 1800-1920, "Spice FM relay", nx in EG, pgm in Swahili follows w/nx, local info, mx mix, f-g (Urbelis NY) in SH 2053, pop vocals, s/off (Strawman IA 3/27)
- 11785 **BRAZIL R Guaiba** Porto Alegre in PT 2305, national nx, mx, ID, g (McGuire MD 4/12)
- 11805 **GERMANY VOA** relay Lampertheim in RS 1758, instrum'l mx, ID in EG w/intro to RS language program at ToH, another ID and nx, fair (D'Angelo PA 3/31)
- 11865 **RWANDA Deut Welle** relay Kigali in EG 2002, rpt on Iran, ment Tony Blair, ID (McGuire MD 4/4)
- 11875 **GERMANY R Canada Int** relay in EG 1845, feature on Persian New Years traditions, fair, //13650, 15365, 17740, all fair to poor (Fraser ME 3/20)

- 11925 **GERMANY Deut Welle** relay Kigali in AR \*1800, ID, mainly nx, ment Sudan, f (McGuire MD 3/16)
- 12050 **EGYPT Egyptian Radio** in AR 1835, news, clearly mentioned 'Condoleeza Rice' (Shemanski NC 4/11) in AR 2300-2345, AR mx mix, interview, IDs, good audio (Urbelis NY)
- 12080 **MADAGASCAR R Nederland** relay in EG 1506, EG service to S Asia, nx followed by several features only S-2 on the meter but in the clear (Strawman IA 3/24)
- 12115 **ICELAND Ríkissutvarpíð** Reykjavík in IC 2300, nx, wx, local info, PSAs, IDs, g (Urbelis NY)
- 13660 **UNITED KINGDOM BBC** Skelton in AR 1900, ID, rpt on Iran, EG soundbite of PM Tony Blair, g (McGuire MD 4/5)
- 15115 **PHILIPPINES R Pilipinas** in EG 0253-0322, "Dateline", from the Presidential Palace in Manila; "The Philippines Today", many IDs, "Radio Pilipinas Overseas", the Voice of the Philippines", more than 7,100 islands make up the Philippines", //15230, both f-g (Howard CHINA 3/23)
- 15150 **IRAN VOIRI** Sirjan in AR 1330, nx theme and nx, guitar mx, talk about Iran (Hauser OK 4/5) in AR 1620, AR vocals, several guitar works - Flamenco?, 3 chimes 1630, S-7 signal (Strawman IA 4/9)
- 15190 **EQUATORIAL GUINEA R Africa** Bata in EG 1025-1200\*, US-produced religious programming with fire and brimstone preacher, Christian mx, OC from 1101-1107, back on 1107 w/relig tlk, closedown announcements 1158, ID, Cupertino, CA address given, fair w/distorted audio (Alexander PA 3/23)
- 15220 **CANADA China R Int** relay Sackville in CH 1500, IS, ID, national/regional nx, g (McGuire MD 4/5)
- 15240 **CANADA R Sweden Int** relay Sackville in SW 1400, IS, ID, nx, mx, interview, g (Mitchell NC 4/7)
- 15325 **PHILIPPINES FEBC** Manila in EG \*0950-1029\*, IS, IDs, "Haven Today" w/Charles Morris at 1000, into relig pgm "God Pitches His Tent", website, s/off w/a few notes of IS, f (Howard CHINA 4/2)
- 15345 **ARGENTINA RAE** Buenos Aires in SP 2252, off the air for over a week, back on w/DX program listing many fqys and info re a Paraguay station, pgm ends w/sound of Morse code (Howard CA 4/13)
- 15420 **SEYCHELLES IS BBC** relay in EG 1644, feature re Formula 1 racing, beamed to E Africa, S-4 signal strength (Strawman IA 4/9)
- 15580 **MOROCCO VOA** relay in EG 1855, talk re President Bush's plan for illegal aliens, ID, feature titled "American Mosaic", African service, fair (Fraser ME 3/20, McGuire MD 3/16)
- 15605 **RUSSIA V of Russia** Moscow in EG 1440, Timeline program interviewing American guest about composer Shostakovich, good, //15660 not as good (Hauser OK 4/14)
- 15760 **ISRAEL Kol Israel** Tel Aviv in SP? 1545, TC, opening show in "Judeo-Espanol", few nice songs with brief ancmts, already over at 1555 and back to IS, good level (Hauser OK 4/14)
- 157848v **ISRAEL Galei Zahal** Tel Aviv in HB 2140, Music by Queen, local pop mx, weak but readable, much better on //69732v
- 17510nf **MOROCCO R Farda** (to Iran) in Farsi \*1400, ex-15410, s/on with multi-lingual R. Liberty IDs, then into Radio Farda programming and music (Hauser OK 3/31)
- 17660 **SAUDI ARABIA BSKSA** Riyadh in EG 1659-1800+, heard prior to 1659 mixing w/WYFR until their s/off at 1659, pgm re computers, into relig pgm 1708, also feature re the business-economic relationship b/w Saudi Arabia and Japan, local mx at 1800, stronger signal than usual (Alexander PA 3/23)
- 17700 **UNITED KINGDOM R Solh** relay Rampisham in Pashto 1405, audible at 1405 and coming in well by 1420 w/improving condx, mostly Solh mx but still skewed to that the Solh theme once again did not start until 1458, and was interrupted at 1500 for ID and then into other mx (Hauser OK 3/31)
- 17725 **FRANCE V of Africa** (Libya) relay in Swahili 1330, native mx, IDs w/native drum mx in background, cmntry, p (Mitchell NC 4/7) in EG 1403-1450+, ID, talk re African Union, Afro pops, cmntry re local geography in Libya, nx 1440, vg, //21695 very weak (Alexander PA 3/30, Hauser OK 3/31)
- 17770 **SOUTH AFRICA Channel Africa** in EG 1508, nx, mx w/drums, sports, fqys, p (Mitchell NC 4/3)
- 17810 **FRENCH GUIANA Brother Stair** relay in EG 1404, Sabbath-only best transmitted on Saturdays only, "caterwauling presentation", //WWRB on 9385 but several seconds unsynchronized (Hauser OK 3/31)
- 17870nf **FRANCE V of Africa** (Libya) relay in EG 1406-1440+, opening ancmts 1406, feature re human rights, nx 1437, f-g, //21695 also f-g (Alexander PA 4/15)

## Clandestine/Opposition Stations

- 6045 **JAPAN Shiokaze One** relay via Yamata in JP 2021, OC to 2029, usual piano IS at 2030, intro by YL, listing abductee names in N. Korea, continual jamming from 2030-2052, no jamming thereafter to s/off at 2100 but moderate QRM from CNR-2 s/on at 6040 fqy (Howard CA 4/1)
- 6300 **ALGERIA RASD** relay to Western Sahara via Robouni in AR \*0700-0730+, s/on w/NA followed by Koran, AR talk 0711, local mx, fair but weak QRM (Alexander PA 4/6)
- 7225 **GERMANY IBC Tamil** relay via Wertachtel in Tamil \*2357-0100\*, OC w/opening at ToH w/mx and several IDs before nx pgm, several interviews and long speeches, ID at close, f (D'Angelo PA 4/12)

- 9485 **TAIWAN Shiokaze #2** (Sea Breeze) relay via Taipei in KR \*1300, piano theme, ID, OM reading names and other info (birth dates?), at 1327 orchestral mx, off at 1331, f-p (Taylor WI 4/7) in EG \*1300, sked and fqy in Japanese time, mailing address, OM reading names of abductees by age, fair signal with no jamming noted, s/off 1330 and immediate s/on of R Free Chosun (Howard CHINA 4/10)
- 9765 **MADAGASCAR Radio Voice of the People** relay in Shona? \*0400-0459\*, s/on w/local mx and ID, talks, short mx breaks, numerous EG IDs, fqys, many ments Zimbabwe, phone interview, tribal vocals, drum mx (Alexander PA 3/30, D'Angelo PA 3/30)
- 11530 **MOLDOVA V of Mesopotamia** in Kurdish 1350-1412+, exotic mx midst flutter (Hauser OK 4/12)

## Digital Reception

- 9790 **CANADA TDP Radio** relay via Sackville in EG \*0000, music, lost sync w/signal at 0035 and could not get it back, scheduled s/off 0100 (Mitchell NC 4/4)
- 9800 **CANADA R Sweden** relay via Sackville in EG 2245, ID, feature on threat of EG language replacing Swedish, exc (Mitchell NC 4/3)
- 11675 **KUWAIT R Kuwait** in AR 0040, commentary, chants, in and out reception, poor (Mitchell NC 4/13)



# Company Store

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

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Hello everyone. Sales at The Company Store were very slow this month, but that's understandable since a lot of you spent your hard earned dollars going to the 20th SWL Fest and sent the rest to the IRS on April 15th. Spring time is finally here and summer is just around the corner, so maybe it's time to repair or replace your antennae. The store carries a couple of good antenna books and articles from Fine Tuning's Proceedings to help you out with your project.

I forgot to mention in last month's column that we offer BOTH WRTH-CD's (1947-1958) & (1959-1972) from the ADDX. The CD's are \$60.00 each or \$99.00 for both, shipping included. These items should appear in the Journal when the new covers come back from the printer.

If you're like me and are always anxious to receive your purchase, please include your email address with your order and I'll send you a confirmation upon receipt of your order AND when your item is shipped.

Peace and Good DX. Jim



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## NASWA

Visit our club home page on the World Wide Web at <http://www.naswa.net/>, including the NASWA Loggings Database, containing logs published in the *NASWA Journal* going back to November, 1998. The NASWA Loggings Database can help you identify a station based on what other club members have heard. Try the database at <http://www.naswa.net/logs/>.

# Times & Frequencies In English

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Compiled by Mike Barraclough from station schedules, monitoring observations and reported updates. Updates and corrections are always welcome. Thanks to the following for information used in this publication: Alan Roe, Alexander Yezerov, Allen Dean, Alokesh Gupta, Ashik Eqbal Tokon, Andreas Volk, Daniel Sampson, Daniel Rosensweig, Dimitry Kutesov, Dragan Letik, Edwin Southwell, Glenn Hauser, Ivo Ivanov, John Babbis, Jose Jacob, Jose Romero, Marty Delfin, Michael Murray, Roberto Scaglione, Ron Howard, Shigenori Aoki, Tony Ashar, Wolfgang Bueschel, DX Listening Digest, Hard Core DX, Nagoya DX Circle

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

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

<b>AWR AFRICA</b>	2000-2030 Af	15235J
<b>AWR AFRICA</b>	2100-2130 WAF	11955 Moosbrun
<b>KNLS ALASKA</b>	0800-0900 FE	7355
<b>KNLS ALASKA</b>	1000-1100 FE	7355
<b>KNLS ALASKA</b>	1200-1300 FE	7355 9920
<b>KNLS ALASKA</b>	1400-1500 FE	7355
<b>ALBANIA R TIRANA</b>	0145-0200 NA	6115 7245 Tuesday to Sunday
<b>ALBANIA R TIRANA</b>	0230-0300 NA	6115 7425 Tuesday to Sunday
<b>ALBANIA R TIRANA</b>	1845-1900 Eu	6035 7465 Monday to Saturday
<b>ALBANIA R TIRANA</b>	2000-2030 Eu	7465 Monday to Saturday
<b>R NACIONAL ANGOLA</b>	2100-2200 Af	7217
<b>RAE ARGENTINA</b>	0200-0300 NA	11710 Tuesday to Saturday
<b>RAE ARGENTINA</b>	1800-1900 Eu	9690 15345 Monday to Friday
<b>AWR ASIA</b>	1130-1200 EAs	15435g
<b>AWR ASIA</b>	1200-1230 As	15320w
<b>AWR ASIA</b>	1330-1400 SEAs	15275g not Sunday/Wednesday
<b>AWR ASIA</b>	1500-1530 As	11640g
<b>AWR ASIA</b>	1530-1600 As	15225w
<b>AWR ASIA</b>	1600-1630 SAs	11805g
<b>AWR ASIA</b>	1630-1700 SAs	6155g
<b>AWR ASIA</b>	1730-1800 ME	9980g
<b>AWR ASIA</b>	2130-2200 As	11850g
<b>AWR ASIA</b>	2230-2300 As	15320g
<b>HCJB AUSTRALIA</b>	0000-0030 As	15525
<b>HCJB AUSTRALIA</b>	0115-0130 As	15405 Saturday
<b>HCJB AUSTRALIA</b>	0730-0930 Pa	11750
<b>HCJB AUSTRALIA</b>	1000-1130 As	15540
<b>HCJB AUSTRALIA</b>	1130-1200 As	15425 Monday to Saturday (Sunday -1230 and 1245-1300)
<b>HCJB AUSTRALIA</b>	1130-1230 As	15400
<b>RADIO AUSTRALIA</b>	0000-0100 As Pa	9660 12080 13690 15240 15415> 17715 17750 17775 17795
<b>RADIO AUSTRALIA</b>	0100-0200 As Pa	9660 12080 13690 15240 15415 17715 17750 <17775 17795
<b>RADIO AUSTRALIA</b>	0200-0400 As Pa	9660 12080 13690 15240 15415 15515 17750 21725
<b>RADIO AUSTRALIA</b>	0400-0500 As Pa	9660 12080 13690 15240 15415> 15515 17750 21725
<b>RADIO AUSTRALIA</b>	0500-0600 As Pa	9660 12080 13690 15160 15240 15415> 15515 17750
<b>RADIO AUSTRALIA</b>	0600-0700 As Pa	9660 11650 12080 13690 15160 15240 15415 15515 17750
<b>RADIO AUSTRALIA</b>	0700-0800 As Pa	9660 9710 11650 12080 13630 15160 15240 15415 17750
<b>RADIO AUSTRALIA</b>	0800-0900 As Pa	5995 9580 9590 9710 12080 13630 15240v 15415> 17750
<b>RADIO AUSTRALIA</b>	0900-1000 As Pa	9580 9590 11880 15415>(from 0900 Sat/Sun)
<b>RADIO AUSTRALIA</b>	1000-1100 As Pa	9580 9590 11880 15415

<b>RADIO AUSTRALIA</b>	1100-1200 As Pa	5995 6020 9475 9560 9580 9590 11880
<b>RADIO AUSTRALIA</b>	1200-1300 As Pa	5995 6020 9475 9560 9580 9590 11880
<b>RADIO AUSTRALIA</b>	1300-1400 As Pa	5995 6020 9560 9580 9590
<b>RADIO AUSTRALIA</b>	1400-1500 As Pa	5995 6080 7240 9475> 9590 11660>
<b>RADIO AUSTRALIA</b>	1500-1600 As Pa	5995 6080 7240 9475 9590 11660
<b>RADIO AUSTRALIA</b>	1600-1700 As Pa	5995 6080 7240 9475 9580 9710 11660
<b>RADIO AUSTRALIA</b>	1700-1800 As Pa	5995 6080 9475 9580 9710 11880
<b>RADIO AUSTRALIA</b>	1800-1900 As Pa	6080 7240 9475 9580 9710 11880
<b>RADIO AUSTRALIA</b>	1900-2000 As Pa	6080 7240 9500 9580 9710 11880
<b>RADIO AUSTRALIA</b>	2000-2100 As Pa	6080* 7240* 9500 11650 11660 11880 12080* *Sat/Sun
<b>RADIO AUSTRALIA</b>	2100-2200 As Pa	9500 9660 11650 11660 11695 12080 13630 15515
<b>RADIO AUSTRALIA</b>	2200-2300 As Pa	13620 13630 15230 15240v 15515 17785 17795
<b>RADIO AUSTRALIA</b>	2300-0000 As Pa	9660 12080 13620 13690 15230 <15240v 15415> 17750> 17785 17795

<b>VOICE INT AUSTRALIA</b>	0100-0300 SAs	11790T
<b>VOICE INT AUSTRALIA</b>	0300-0600 SAs	13680T
<b>VOICE INT AUSTRALIA</b>	0600-0900 SAs	15335
<b>VOICE INT AUSTRALIA</b>	0900-1100 SAs	11955
<b>VOICE INT AUSTRALIA</b>	1100-1800 SAs	13635

Weekday schedule:

<b>RADIO AUSTRIA INT</b>	0043-0058 LA	9870 Tuesday to Saturday
<b>RADIO AUSTRIA INT</b>	0113-0128 LA	9870 Tuesday to Friday
<b>RADIO AUSTRIA INT</b>	0143-0158 NA	9870 Tuesday to Saturday
<b>RADIO AUSTRIA INT</b>	1205-1220 As Au	17715 Monday
<b>RADIO AUSTRIA INT</b>	1205-1220 Eu	6155 13730 Monday
<b>RADIO AUSTRIA INT</b>	1215-1230 As Au	17715 Tuesday to Friday
<b>RADIO AUSTRIA INT</b>	1245-1300 As Au	17715 Monday to Friday
<b>RADIO AUSTRIA INT</b>	1245-1300 Eu	6155 13730 Tuesday to Friday
<b>RADIO AUSTRIA INT</b>	1505-1520 NA	13775c Monday
<b>RADIO AUSTRIA INT</b>	1515-1530 NA	13775c Tuesday to Friday
<b>RADIO AUSTRIA INT</b>	1545-1600 NA	13775c Monday to Friday

Weekend schedule:

<b>RADIO AUSTRIA INT</b>	0035-0058 LA	9870 Sunday and Monday
<b>RADIO AUSTRIA INT</b>	0105-0128 LA	9870 Sunday and Monday
<b>RADIO AUSTRIA INT</b>	0133-0156 NA	9870 Sunday and Monday
<b>RADIO AUSTRIA INT</b>	0505-0528 ME	17870 repeated at 0535-0558 Sunday
<b>RADIO AUSTRIA INT</b>	1205-1228 Eu	6155 13730 repeated at 1235-1258 Saturday and Sunday
<b>RADIO AUSTRIA INT</b>	1205-1228 As Au	17715 repeated at 1235-1228 Saturday and Sunday
<b>RADIO AUSTRIA INT</b>	1505-1530 NA	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

<b>RADIO BANGLADESH</b>	1230-1300 As	7185
<b>RADIO BANGLADESH</b>	1745-1900 Eu	7185

**BELARUS RADIO MINSK** 2000-2200 Eu 7105 7390 7440

<b>RADIO BULGARIA</b>	0200-0300 NA	9700 11700
<b>RADIO BULGARIA</b>	0630-0700 Eu	9600 11600
<b>RADIO BULGARIA</b>	1130-1200 Eu	11700 15700
<b>RADIO BULGARIA</b>	1730-1800 Eu	5900 9600
<b>RADIO BULGARIA</b>	2100-2200 Eu	5900 9700
<b>RADIO BULGARIA</b>	2300-0000 NA	9700 11700

<b>RADIO CANADA INT</b>	0000-0057 SEAs	11700x
<b>RADIO CANADA INT</b>	1200-1259 SEAs	9660q 15170y
<b>RADIO CANADA INT</b>	1500-1557 As	11675x 17720x
<b>RADIO CANADA INT</b>	1505-1704 Nam	9515
<b>RADIO CANADA INT</b>	1800-1859 Af	9530w 11765x 13730w 15235u
<b>RADIO CANADA INT</b>	2000-2059 Eu	5850H 7235u 15325
<b>RADIO CANADA INT</b>	2300-0104 Nam	6100 (-0004 Sunday and Monday)

<b>CHINA RADIO INT</b>	0000-0100 NA/As/Eu	6020q 9570q/ 6075 7180 11885 13750 15125 / 9725
<b>CHINA RADIO INT</b>	0100-0200 NA/As/Eu	6020q 9570q 9580h 9790c/ 6075 9470 11870 15125 15785 /9410 9725
<b>CHINA RADIO INT</b>	0200-0300 As	9550 11770 13640
<b>CHINA RADIO INT</b>	0300-0400 NA/As	9690e 9790h/11770 13750 15110 15120 15785
<b>CHINA RADIO INT</b>	0400-0500 NA/As	6020 6080c 9560c 9755g/13750 15120 15785 17730 17855
<b>CHINA RADIO INT</b>	0500-0600 NA/As	6020 6190c 9560c/11710q/11880 15350 15465 17505 17540 17730 17855
<b>CHINA RADIO INT</b>	0600-0700 Af/As	11750q/11870 11880 13660 15140 15350 15465 17505 17540 17710
<b>CHINA RADIO INT</b>	0700-0800 Eu/As	13710q 17490 /11880 13660 15350 15465 17540 17710
<b>CHINA RADIO INT</b>	0800-0900 Eu/As	11785q 13710q 17490 /11620 11880 15350 15465 17540
<b>CHINA RADIO INT</b>	0900-1000 Eu/As	17490/ 11620 15350 17750
<b>CHINA RADIO INT</b>	0900-1100 Pa	15210 17690
<b>CHINA RADIO INT</b>	1000-1100 Eu/NA/As	17490/ 6040c /11610 11635 13590 13620 13720 15190 15210 15350 17690
<b>CHINA RADIO INT</b>	1100-1200 Eu/NA/As	13650q 17490 / 6040c 11750c/ 5955 11650 11660 11795 13590 13645 13720
<b>CHINA RADIO INT</b>	1200-1300 As/Pa	5955 9460 9730 11650 11660 11690 11980 13610 13645 /9760 11760
<b>CHINA RADIO INT</b>	1200-1300 Eu	13650q 13790 17490

<b>CHINA RADIO INT</b>	1300-1400 NA/As/Af	9570h 9650c 15260c/ 5955 9730 9765 9870 11660 11980 13755/17625 Chile
<b>CHINA RADIO INT</b>	1300-1400 Eu/Pa	13610 13790 / 9760 11760
<b>CHINA RADIO INT</b>	1400-1500 NA/Af/As 13740h	15220c/ 5955 9560 9765 9870 11660 11675 11765 11775
<b>CHINA RADIO INT</b>	1400-1500 Eu/Af	13610 13710 13790/ 13685M 17630o
<b>CHINA RADIO INT</b>	1500-1600 Eu/Af	11965 13640 / 6100m 13685M 17630o
<b>CHINA RADIO INT</b>	1500-1600 NA/As	13740h/ 5955 7160 7325 9785 9870 11775
<b>CHINA RADIO INT</b>	1600-1700 Eu/Af	11940 11965 13760 / 6100n 9570 11900
<b>CHINA RADIO INT</b>	1700-1800 Eu/Af	9695 11940 13760 / 6100n 9570 11900
<b>CHINA RADIO INT</b>	1800-1900 Eu	9600 11940 13760
<b>CHINA RADIO INT</b>	1900-2000 Eu/Af	11940 13760/ 7295 9435
<b>CHINA RADIO INT</b>	2000-2130 Af	11640o 13630o
<b>CHINA RADIO INT</b>	2000-2100 Eu/Af	5960q 7190 7285q 9600 9800/ 7295 9440
<b>CHINA RADIO INT</b>	2100-2200 Eu	5960q 7190 7285q 9600 9800
<b>CHINA RADIO INT</b>	2200-2300 Eu/As	7175r/ 9590
<b>CHINA RADIO INT</b>	2300-0000 NA/As	5990h 6145c 13680c/ 5915 7180 11690
<b>VOICE OF CROATIA</b>	0200-0215 Eu NA	6165 9925
<b>VOICE OF CROATIA</b>	0600-0605 Eu Pa	6165 9470 11610
<b>VOICE OF CROATIA</b>	1000-1003 Eu	9830
<b>VOICE OF CROATIA</b>	1600-1615 Eu	6165 Monday to Saturday (Sunday 1600-1605)
<b>VOICE OF CROATIA</b>	1805-1815 Eu	6165 Monday to Friday (Saturday 1805-1810)
<b>VOICE OF CROATIA</b>	2215-2230 Eu NA	6165 9925
<b>CUBA RADIO HAVANA</b>	0100-0500 NA	6000 6060 6180
<b>CUBA RADIO HAVANA</b>	0500-0700 NA	6000 6060 6180 9550 11760
<b>CUBA RADIO HAVANA</b>	2030-2130 NA	9505 11760
<b>CUBA RADIO HAVANA</b>	2300-0000 CAm	9550
<b>CZECH RADIO PRAGUE</b>	0000-0027 NA	7345 9440
<b>CZECH RADIO PRAGUE</b>	0100-0127 NA	6200 7345
<b>CZECH RADIO PRAGUE</b>	0300-0327 NA	7345 9870
<b>CZECH RADIO PRAGUE</b>	0330-0357 As ME/NA	9445 11600/ 6080c
<b>CZECH RADIO PRAGUE</b>	0700-0727 Eu	9880 11600
<b>CZECH RADIO PRAGUE</b>	0900-0929 Eu/As	9880/ 21745
<b>CZECH RADIO PRAGUE</b>	0900-0927 LA	9955 via WRMI
<b>CZECH RADIO PRAGUE</b>	1030-1057 Eu	9880 11665
<b>CZECH RADIO PRAGUE</b>	1300-1329 Eu/As	13580/ 17540
<b>CZECH RADIO PRAGUE</b>	1400-1427 NA	7385 via WRMI
<b>CZECH RADIO PRAGUE</b>	1600-1627 Eu/Af	5930/ 17485
<b>CZECH RADIO PRAGUE</b>	1700-1727 Eu/Af	5930/ 17485
<b>CZECH RADIO PRAGUE</b>	2000-2027 Eu/As Pa	5930/ 11600
<b>CZECH RADIO PRAGUE</b>	2130-2157 Af/NA	9410/ 11600
<b>CZECH RADIO PRAGUE</b>	2230-2257 NA	7345 9415
<b>EGYPT RADIO CAIRO</b>	0200-0330 NA	7270
<b>EGYPT RADIO CAIRO</b>	1215-1330 sAs	17835
<b>EGYPT RADIO CAIRO</b>	1600-1800 Af	11740
<b>EGYPT RADIO CAIRO</b>	2030-2200 wAf	15375
<b>EGYPT RADIO CAIRO</b>	2115-2245 Eu	9990
<b>EGYPT RADIO CAIRO</b>	2300-0030 NA	9460
<b>EQ GUINEA</b>	0700-1200 Af	15190
<b>RADIO ETHIOPIA</b>	1600-1700 Af	7165 9560
<b>RADIO FRANCE INT</b>	0400-0430 eAf	9805 11995 Monday to Friday
<b>RADIO FRANCE INT</b>	0500-0530 eAf	13680 15160 Monday to Friday
<b>RADIO FRANCE INT</b>	0600-0630 eAf	11725 15160 17800 Monday to Friday
<b>RADIO FRANCE INT</b>	0700-0730 wAf	13675 Monday to Friday
<b>RADIO FRANCE INT</b>	1200-1230 Af	21620
<b>RADIO FRANCE INT</b>	1600-1700 Af	15160m 15605 17605
Schedule valid until May 5		
<b>RADIO FRANCE INT</b>	0400-0430 eAf	9805 11995 Monday to Friday
<b>RADIO FRANCE INT</b>	0500-0530 eAf	13680 15160 Monday to Friday
<b>RADIO FRANCE INT</b>	0600-0630 eAf	11725 15160 17800 Monday to Friday
<b>RADIO FRANCE INT</b>	0700-0730 wAf	13675 Monday to Friday
<b>RADIO FRANCE INT</b>	1200-1230 Af	17800
<b>RADIO FRANCE INT</b>	1600-1700 Af	15160m 15605 17605
Schedule valid May 6 to September 1		
<b>RADIO FRANCE INT</b>	0400-0430 eAf	9805 11995 Monday to Friday
<b>RADIO FRANCE INT</b>	0500-0530 eAf	11995 13680 Monday to Friday
<b>RADIO FRANCE INT</b>	0600-0630 eAf	9765 15160 17800 Monday to Friday
<b>RADIO FRANCE INT</b>	0700-0730 wAf	13675
<b>RADIO FRANCE INT</b>	1200-1230 Af	21620
<b>RADIO FRANCE INT</b>	1600-1700 Af	15160m 15605 17605
Schedule valid from September 2		
<b>GERMANY D WELLE</b>	0000-0100 sAs	7245I 13730S 15595r

<b>GERMANY D WELLE</b>	0300-0400 As	11695I 13810d
<b>GERMANY D WELLE</b>	0400-0500 Af	7225u 7245k 12045d 15445I
<b>GERMANY D WELLE</b>	0500-0530 Af	5945s 9700k 9825m
<b>GERMANY D WELLE</b>	0600-0630 Af	7310S 15275k
<b>GERMANY D WELLE</b>	0900-1000 As	15340S 17770I
<b>GERMANY D WELLE</b>	1600-1700 As	6170I 9845I 15620u
<b>GERMANY D WELLE</b>	1900-1930 Af	9895a 11795I 17820s
<b>GERMANY D WELLE</b>	2000-2130 Af	7130k 11795I 11865u 15205u
<b>GERMANY D WELLE</b>	2100-2200 Af	9735u 11865k 15205k
<b>GERMANY FREE PEOPLES MISSION</b>	1630-1700 ME	11640w Saturday
<b>VOICE OF GREECE</b>	0205-0300 NA	7475 9420 15650 Sunday
<b>VOICE OF GREECE</b>	0600-0700 Eu	11645
<b>VOICE OF GREECE</b>	0905-1000 Eu	9420 15630 Sunday
<b>VOICE OF GREECE</b>	1305-1400 Eu	9420 15630 Saturday
<b>VOICE OF GREECE</b>	2305-0000 NA	7475 9420 15650 Sunday
<b>KTWR GUAM</b>	0800-0900 Pa	11840 (Saturday -0845)
<b>KTWR GUAM</b>	0805-0900 sAs	15170 Monday to Friday
<b>KTWR GUAM</b>	1345-1400 sAs	9975
<b>KTWR GUAM</b>	1400-1500 SAs	9975 Monday to Friday (-1430 Thursday and Friday)
<b>R BUDAPEST HUNGARY</b>	0100-0130 NA	6040
<b>R BUDAPEST HUNGARY</b>	0230-0300 NA	6195
<b>R BUDAPEST HUNGARY</b>	1500-1530 Eu	6025 9610 Sunday
<b>R BUDAPEST HUNGARY</b>	1900-1930 Eu	3975 6025
<b>R BUDAPEST HUNGARY</b>	2100-2130 Ew/sAf	6025 9525
<b>AII INDIA RADIO</b>	1000-1100 Pa As	13695 15020 15410 17510 17800 17895
<b>ALL INDIA RADIO</b>	1330-1500 sAs	9690 11620 13710
<b>ALL INDIA RADIO</b>	1745-1945 Eu Af	7410 9445 9950 11620 11935 13605 15075 15155 17670
<b>AII INDIA RADIO</b>	2045-2230 Eu Pa	7410 9445 9910 9950 11620 11715
<b>ALL INDIA RADIO</b>	2245-0045 As	9705 9950 11620 11645 13605
<b>VOICE OF INDONESIA</b>	0200-0300 As Am	9525
<b>VOICE OF INDONESIA</b>	0800-0900 As Am	9525
<b>VOICE OF INDONESIA</b>	2000-2100 Eu	11785
Station changes frequency erratically, uses one of 9525, 11785 and 15150 for its broadcasts.		
<b>VoIR IRAN</b>	0130-0230 NA	7235 9495
<b>VoIR IRAN</b>	1030-1130 seAs	15600 17660
<b>VoIR IRAN</b>	1530-1630 seAs	7370 9635
<b>VoIR IRAN</b>	1930-2030 Eu	Af 6205 6255 Lithuania 7205 9800 9925
<b>IRELAND</b>	1500-2230 Eu	3910 6295 12255 Reflections Europe Sunday
<b>KOL ISRAEL</b>	0330-0345 Eu Am Pa	7530 9345 17600 (11590 replaces 7530 1/5 to 31/8)
<b>KOL ISRAEL</b>	0930-0945 Eu Am	13855 15760
<b>KOL ISRAEL</b>	1730-1745 Eu NA	9345 11590 13675
<b>KOL ISRAEL</b>	1900-1925 Eu Am Af	9400 11590 15640
<b>IRRS</b>	0930-1200 Eu Af	9510
<b>IRRS</b>	1600-1900 Eu Af	7285 Sunday (1600-1830 Friday)
European Gospel Radio, transmitter believed to be in Bulgaria		
<b>RAI ITALY</b>	0055-0115 NA	11800
<b>RAI ITALY</b>	0445-0500 Eu Af	6110 6145 7235
<b>RAI ITALY</b>	1935-1955 Eu	5960 9845
<b>RAI ITALY</b>	2025-2045 Af	5970 11875
<b>RAI ITALY</b>	2205-2230 As FE	11895
<b>RADIO JAPAN</b>	0000-0015 As	13650 17810
<b>RADIO JAPAN</b>	0000-0100 NA	6145c
<b>RADIO JAPAN</b>	0100-0200 ME/As/Am	5960u 17560/ 11780S 15235 15325 17810/ 11935b 17825
<b>RADIO JAPAN</b>	0300-0400 Pa	21610
<b>RADIO JAPAN</b>	0500-0600 Eu/NA/As	5975u 7230w/ 6110c/15195 17810/ 21755 Pa
<b>RADIO JAPAN</b>	0600-0700 Eu/NA/As	7230w/13630 /11715 11740S 11760 15195/ 21755 Pa
<b>RADIO JAPAN</b>	1000-1100 Eu/At/Pa	17585d/17720d/11890
<b>RADIO JAPAN</b>	1000-1200 As/NA	9695 11730 / 6120c
<b>RADIO JAPAN</b>	1400-1500 As/Pa	7200 11730 /11840I
<b>RADIO JAPAN</b>	1500-1600 As/NA	6190 7200 11730 / 9505
<b>RADIO JAPAN</b>	1700-1800 NA/Eu/Af	9535/ 11970 /15355M
<b>RADIO JAPAN</b>	2100-2200 Eu/Af/NA	6055u 6180w/11855a/17870 / 6035S Pa
<b>RADIO JAPAN regional services</b>	0100-0200 Pa	17685
	0600-0700 Hawaii	17870
	2100-2200 Hawaii	17825

<b>RADIO JORDAN</b>	1300-1630 Eu NA	11690
<b>KOREA KBS WORLD R</b>	0200-0300 LA	15575
<b>KOREA KBS WORLD R</b>	0230-0300 NA	9560c
<b>KOREA KBS WORLD R</b>	0800-0900 As	9570
<b>KOREA KBS WORLD R</b>	1200-1300 NA	9650c
<b>KOREA KBS WORLD R</b>	1300-1400 As	9570 9770
<b>KOREA KBS WORLD R</b>	1600-1700 Eu	9515
<b>KOREA KBS WORLD R</b>	1800-1900 Eu	7275
<b>KOREA KBS WORLD R</b>	2100-2130 Eu	3955u
<b>VO KOREA PYONGYANG</b>	0100-0200 FE/LA	7140 9345 9730/ 11735 13760 15180
<b>VO KOREA PYONGYANG</b>	0200-0300 seAs	13650 15100
<b>VO KOREA PYONGYANG</b>	0300-0400 As	7140 9345 9730
<b>VO KOREA PYONGYANG</b>	1000-1100 seAs/LA	11735 13650/ 11710 15180
<b>VO KOREA PYONGYANG</b>	1300-1400 Eu/NA	13670 15245/ 9335 11710
<b>VO KOREA PYONGYANG</b>	1500-1600 Eu/NA	13670 15245/ 9335 11710
<b>VO KOREA PYONGYANG</b>	1600-1700 ME Af	9990 11545
<b>VO KOREA PYONGYANG</b>	1800-1900 Eu	13670 15245
<b>VO KOREA PYONGYANG</b>	1900-2000 ME Af	7100 9975 11535 11910
<b>VO KOREA PYONGYANG</b>	2100-2200 Eu	13670 15245
<b>LAOS LNR Vientiane</b>	0600-0630 As	7145
<b>LAOS LNR Vientiane</b>	1330-1405 As	7145
<b>LATVIA Latvia Today</b>	0700-0800 Eu	9290 Saturday
Repeated Sunday afternoon	UTC, time varies depending on other bookings	
<b>LIBYA VO AFRICA</b>	1400-1600 Af	17870 21695
<b>LITHUANIA R VILNIUS</b>	0030-0100 NA	11690
<b>LITHUANIA R VILNIUS</b>	0830-0900 Eu	9710
<b>LITHUANIA R VILNIUS</b>	2330-0000 NA	9875
<b>VOICE OF MALAYSIA</b>	0600-0830 As/Pa	6175 9750 15295.
<b>MOLDOVA</b>	1600-1620 Eu	5965 Radio Pridnestrovye Monday to Thursday
<b>MOLDOVA</b>	1600-1640 Eu	5965 Radio Pridnestrovye Friday
<b>VOICE OF MONGOLIA</b>	1000-1030 As	12085
<b>TWR MONTE CARLO</b>	0700-0820 Eu	9800 11865q (Saturday 0715-0750, Sunday 0645-0820)
<b>RADIO NEPAL</b>	0215-0230 As	5005
<b>RADIO NEPAL</b>	1415-1425 As	5005
<b>RADIO NETHERLANDS</b>	0000-0200 NA	9845b
<b>RADIO NETHERLANDS</b>	0400-0500 NA	6165b
<b>RADIO NETHERLANDS</b>	0600-0800 Pa	9700b
<b>RADIO NETHERLANDS</b>	1000-1100 As Pa	12065r 13710r 13820r
<b>RADIO NETHERLANDS</b>	1100-1200 NA	11675b
<b>RADIO NETHERLANDS</b>	1400-1600 As Pa	9345T 9890t 11835t
<b>RADIO NETHERLANDS</b>	1800-1900 Af	6020t 7125t 11655t
<b>RADIO NETHERLANDS</b>	1900-2000 Af	5905t 7115t 11655 17810b
<b>RADIO NETHERLANDS</b>	1900-2100 NA	15315b 17660c 17735b Saturday and Sunday
<b>RADIO NETHERLANDS</b>	2000-2100 Af	5905t 7115t 17810b
<b>RADIO NEW ZEALAND</b>	0459-0658 Pa	9615
<b>RADIO NEW ZEALAND</b>	0659-1058 Pa	6095
<b>RADIO NEW ZEALAND</b>	1059-1258 Pa	9870
<b>RADIO NEW ZEALAND</b>	1300-1850 Pa	6095
<b>RADIO NEW ZEALAND</b>	1851-1950 Pa	11725
<b>RADIO NEW ZEALAND</b>	1951-2358 Pa	15720
<b>RADIO NEW ZEALAND</b>	2358-0458 Pa	13730
<b>VOICE OF NIGERIA</b>	0500-0700 Eu	15120
<b>VOICE OF NIGERIA</b>	1000-1500 Eu	15120
<b>VOICE OF NIGERIA</b>	1700-1900 Eu	15120
<b>VOICE OF NIGERIA</b>	1900-2100 Af	7255
<b>RADIO OMAN</b>	1400-1500 Eu	15140
<b>RADIO PAKISTAN</b>	0045-0115 sAs	9340
<b>RADIO PAKISTAN</b>	0730-0830 Eu	15100 17835 also 1100-1104
<b>RADIO PAKISTAN</b>	1600-1615 Af ME	9380 11550 11570
<b>RADIO PILIPINAS</b>	0200-0330 As	11880 15285 15510
<b>RADIO PILIPINAS</b>	1730-1930 As	9380 11720 15190
<b>PHILIPPINES FEBC</b>	1000-1030 As	15325

<b>POLAND R POLONIA</b>	1200-1300 Eu NA	9525w 11850N
<b>POLAND R POLONIA</b>	1700-1800 Eu	7140J 7265w
<b>RADIO ROMANIA INT</b>	0000-0100 NA	9775 11790
<b>RADIO ROMANIA INT</b>	0300-0400 NA SAs	6150 9645 11895 15220
<b>RADIO ROMANIA INT</b>	0530-0600 Eu Pa	9655 11830 15435 17770
<b>RADIO ROMANIA INT</b>	1200-1300 Eu	11875 15220
<b>RADIO ROMANIA INT</b>	1700-1800 Eu	9635 11735
<b>RADIO ROMANIA INT</b>	2030-2100 Eu NA	9515 11810 11940 15465
<b>RADIO ROMANIA INT</b>	2200-2300 Eu NA	7185 9675 9790 11940
<b>VOICE OF RUSSIA</b>	0100-0200 NA	7250 9665 13775
<b>VOICE OF RUSSIA</b>	0200-0300 Eu/NA	9665 9860 13635 13775
<b>VOICE OF RUSSIA</b>	0300-0400 Eu/NA	9435 9515 9665 9860 9880 12065 13635 13775
<b>VOICE OF RUSSIA</b>	0400-0500 NA	9435 9515 9860 9880 13635 13775
<b>VOICE OF RUSSIA</b>	0500-0700 Pa	17635 21790
<b>VOICE OF RUSSIA</b>	0700-0900 Pa	17495 17635 21790
<b>VOICE OF RUSSIA</b>	1400-1500 As	6045 7165 9745 11755 15605 15660
<b>VOICE OF RUSSIA</b>	1500-1600 Eu/As	7370/4965 4975 9625 9660 11985
<b>VOICE OF RUSSIA</b>	1600-1700 Eu/Af	7370 9890/ 11985 15540
<b>VOICE OF RUSSIA</b>	1600-1700 As	6070 7350 9405 11985 12055 12115 15540
<b>VOICE OF RUSSIA</b>	1700-1800 Eu/Af	7370 9820 * 9890/ 9850 11510 11985 *Sat, Sun only
<b>VOICE OF RUSSIA</b>	1700-1800 As	7350 9405
<b>VOICE OF RUSSIA</b>	1800-1900 Eu/Af	7370 9890 11630/ 9745 9850 11510
<b>VOICE OF RUSSIA</b>	1900-2000 Eu	7195 7310 9890 12070
<b>VOICE OF RUSSIA</b>	2000-2100 Eu/LA	9890 12070
From August 1st 5900 replaces 9880 0300-0500 to North America.		
European evening broadcasts from September 1st are:		
<b>VOICE OF RUSSIA</b>	1500-1600 Eu	7370 9810
<b>VOICE OF RUSSIA</b>	1600-1700 Eu	7370 9890
<b>VOICE OF RUSSIA</b>	1700-1800 Eu	7320* 7370 9820* 9890 *Sat, Sun only
<b>VOICE OF RUSSIA</b>	1800-1900 Eu	7370 9480 9890
<b>VOICE OF RUSSIA</b>	1900-2000 Eu	7195 7310 9890
<b>VOICE OF RUSSIA</b>	2000-2100 Eu	7195 9890
<b>S ARABIA R RIYADH</b>	1000-1230 As Eu	15250
<b>INT RADIO SERBIA</b>	1300-1330 Eu	7240
<b>INT RADIO SERBIA</b>	1830-1900 Eu	7240
<b>RADIO SINGAPORE INT</b>	1100-1400 As	6080 6150
<b>RADIO SLOVAKIA INT</b>	0100-0130 N&SA	5930 9440
<b>RADIO SLOVAKIA INT</b>	0700-0730 Pa	9440 15460
<b>RADIO SLOVAKIA INT</b>	1630-1700 Eu	5920 6055
<b>RADIO SLOVAKIA INT</b>	1830-1900 Eu	5920 7345
<b>S AFRICA CHANNEL AF</b>	0300-0400 Af	3345 5960
<b>S AFRICA CHANNEL AF</b>	0400-0500 Af	3345 7310
<b>S AFRICA CHANNEL AF</b>	0500-0600 Af	7240 9685
<b>S AFRICA CHANNEL AF</b>	0600-0700 Af	7240 15255
<b>S AFRICA CHANNEL AF</b>	0700-0800 Af	7240
<b>S AFRICA CHANNEL AF</b>	0800-1200 Af	9620
<b>S AFRICA CHANNEL AF</b>	1400-1500 Af	9620
<b>S AFRICA CHANNEL AF</b>	1500-1600 Af	9620 17770
<b>S AFRICA CHANNEL AF</b>	1700-1800 Af	15235
<b>S AFRICA CHANNEL AF</b>	2000-2200 Af	3345
<b>S AFRICA R LEAGUE</b>	0800-0900 sAf/cAf	7205 17695 Sunday
<b>S AFRICA R LEAGUE</b>	1900-2000 sAf	3215 Monday
<b>REE SPAIN</b>	0000-0059 NA	6055
<b>REE SPAIN</b>	2000-2059 Eu Af	9665 11625 Monday to Friday
<b>REE SPAIN</b>	2100-2159 Eu Af	9840 11625 Saturday and Sunday
<b>SLBC SRI LANKA</b>	0100-0430 As	6005 9770 15745 (Sunday -0515)
<b>SLBC SRI LANKA</b>	1330-1530 As	7300 9770 11905 Hindi and English service
<b>SWAZILAND TWR</b>	0430-0500 Af	3200 4775 Monday to Friday
<b>SWAZILAND TWR</b>	0500-0800 Af	3200 4775 9500
<b>SWAZILAND TWR</b>	0600-0645 Af	11640m (-0615 Saturday and Sunday)
<b>SWAZILAND TWR</b>	0800-0900 Af	3200 6120 9500
<b>SWAZILAND TWR</b>	1700-2030 Af	3200
<b>SWAZILAND TWR</b>	1730-1900 Af	9500
<b>RADIO SWEDEN</b>	0130-0200 NA AsPa	6010c 11675t
<b>RADIO SWEDEN</b>	0230-0300 NA	6010c
<b>RADIO SWEDEN</b>	1230-1300 EuAfNA	13580 15240 15735
<b>RADIO SWEDEN</b>	1330-1400 EuAfAsPa 15735	
<b>RADIO SWEDEN</b>	1330-1400 NA	15240c

<b>RADIO SWEDEN</b>	1730-1800 Eu Af	6065
<b>RADIO SWEDEN</b>	1930-2000 Eu Pa	6065
<b>RADIO SWEDEN</b>	2130-2200 Eu Af Pa	6065 7420t
<b>SWEDEN IBRA RADIO</b>	1500-1545 As	7340r
<b>SWEDEN IBRA RADIO</b>	1645-1700 As	9830r Friday
<b>SYRIA R DAMASCUS</b>	2005-2205 Eu NA	9330 12085
<b>R TAIWAN INT</b>	0100-0200 As	11875 15465
<b>R TAIWAN INT</b>	0200-0300 NA	5950f 9680f
<b>R TAIWAN INT</b>	0300-0400 NA/LA/As	5950f/15215f/15320
<b>R TAIWAN INT</b>	0700-0800 NA	5950f
<b>R TAIWAN INT</b>	0800-0900 SEAs	9610
<b>R TAIWAN INT</b>	1100-1200 SEAs	7445
<b>R TAIWAN INT</b>	1400-1500 SEAs	15265
<b>R TAIWAN INT</b>	1600-1700 As	11550 11600(-5 May, from 2 Sep) 15515(6 May-1 Sep)
<b>R TAIWAN INT</b>	1700-1800 Af	15690 Issoudun, France
<b>R TAIWAN INT</b>	1800-1900 Eu	3965 Issoudun, France
<b>R TAIWAN INT</b>	2200-2300 Eu	15600f
<b>RADIO TAJIKISTAN</b>	0345-0400 ME	7245
<b>RADIO TAJIKISTAN</b>	1645-1700 ME	7245
<b>RADIO THAILAND</b>	0000-0030 Af	9570
<b>RADIO THAILAND</b>	0030-0100 eCNA	5890 Greenville
<b>RADIO THAILAND</b>	0200-0230 wCNA	5890 Delano
<b>RADIO THAILAND</b>	0530-0600 Eu	17655
<b>RADIO THAILAND</b>	1230-1300 As Pa	9835
<b>RADIO THAILAND</b>	1400-1430 As Pa	9805
<b>RADIO THAILAND</b>	1900-2000 Eu	7155
<b>RADIO THAILAND</b>	2030-2045 Eu	9680
<b>VOICE OF TURKEY</b>	0300-0350 Eu NA/As	5975/ 7270
<b>VOICE OF TURKEY</b>	1230-1320 Eu/AsPa	13685 15450
<b>VOICE OF TURKEY</b>	1830-1920 Eu	9785
<b>VOICE OF TURKEY</b>	2030-2120 As Pa	7170
<b>VOICE OF TURKEY</b>	2200-2250 Eu NA	6195
<b>UK BIBLE VOICE</b>	0000-0200 Iraq	6140w
<b>UK BROADCASTING</b>	0030-0100 SEAs	9620w Friday, Saturday, Sunday
<b>UK NETWORK</b>	0700-0845 WEu	5945w Sunday (0700-0800 Friday, 0700-0815 Sat)
<b>UK</b>	0815-0845 WEu	9655w Saturday
<b>UK</b>	1015-1045 Korea	5910r Sunday
<b>UK</b>	1100-1200 China	5945r Saturday and Sunday(1115-1130 Mon-Fri)
<b>UK</b>	1400-1500 SEAs	15680w Saturday and Sunday
<b>UK</b>	1500-1530 SEAs	13840w Tuesday, Saturday
<b>UK</b>	1515-1600 SEAs	15680j Saturday (1530-1600 Monday, Thursday)
<b>UK</b>	1530-1730 ME	13590j Sunday (1540-1600 Mon, 1540-1715 Tue, 1540-1615 Wed, 1540-1645 Th, 1540-1615 & 1730-1800 Fri, 1545-1730 & 1800-1830 Sat)
<b>UK</b>	1630-1800 ME	9430w Sunday (1700-1800 Saturday)
<b>UK</b>	1700-1800 ME	11945 via Flevo
<b>UK</b>	1800-1815 Iran	11875j Saturday
<b>UK</b>	1800-1845 EEu	6060j Saturday (1800-1830, 1900-1930 Sunday)
<b>UK</b>	1800-1900 ME	9430w Sat and Sun via Nauen (1830-1900 Friday)
<b>UK</b>	1915-2000 Af	9775w Sunday (1900-1930 Saturday)
<b>UK CHRISTIAN VOICE</b>	0500-0600 Waf	9430w
<b>UK</b>	0600-0900 Waf	15640w
<b>UK</b>	1500-1800 Waf	15715w
<b>UK</b>	1800-2100 Waf	13820w
Schedule valid till May 31st		
<b>UK FAR EAST BC ASSOCIATION</b>	1400-1415 SEAs	9500r
<b>ASSOCIATION</b>	1415-1445 SEAs	12025d Monday (1430-1445 Tue, Wed, Fri)
Alokesh Gupta		
<b>RADIO UKRAINE INT</b>	0000-0100 NA	7440
<b>RADIO UKRAINE INT</b>	0300-0400 NA	7440
<b>RADIO UKRAINE INT</b>	0500-0600 Eu	9945
<b>RADIO UKRAINE INT</b>	0700-0800 Eu	9945
<b>RADIO UKRAINE INT</b>	1100-1200 Eu	15675
<b>RADIO UKRAINE INT</b>	1400-1500 Eu	7530
<b>RADIO UKRAINE INT</b>	1900-2000 Eu	7490
<b>RADIO UKRAINE INT</b>	2100-2200 Eu	7510
From September 24 5820 fs used at 0000 & 0300, 9950 at 1100 and 5830 at 2100.		
<b>UNITED NATIONS</b>	1730-1745 Af	7130m 15495u 17810a Monday to Friday

<b>UNIVERSAL LIFE</b>	1300-1330	15750 via IRRS Sunday
<b>USA KAIJ</b>	0100-1300 NA FE	5755
<b>USA KAIJ</b>	1300-0100 NA FE	9480
<b>USA KJES</b>	0200-0330 NA	7555
<b>USA KJES</b>	1400-1600 NA	11715
<b>USA KJES</b>	1900-2000 Pa CA m	15385
<b>USA KTBN</b>	0100-1400 NA	7505
<b>USA KTBN</b>	1400-0100 NA	15590
<b>USA KWHR</b>	0100-0500 As	17655
<b>USA KWHR</b>	0500-0800 As	11565 13650
<b>USA KWHR</b>	0800-1100 As	9930 11565
<b>USA KWHR</b>	1100-1200 As	9930
<b>USA KWHR</b>	1200-1400 As	12130
<b>USA KWHR</b>	1400-1800 As	9930
<b>USA OVERCOMER</b>	0800-0900 Pa	11700w Saturday and Sunday
<b>USA MINISTRY</b>	1100-1200 Eu ME	6110J Sunday
<b>USA</b>	1200-1500 Eu ME	6110J
<b>USA</b>	1400-1600 ME	13810J
<b>USA</b>	1900-2000 Eu	6175N
<b>USA PAN AMERICAN</b>	0030-0045 SEAs	9640w Sunday
<b>USA BROADCASTING</b>	1400-1415 ME	15205N Saturday and Sunday
<b>USA</b>	1415-1430 SEAs	15205N (-1445 Sunday)
<b>USA</b>	1430-1445 SEAs	15650J Sunday
<b>USA</b>	1600-1630 ME	13830J Thursday and Sunday
<b>USA</b>	1930-2030 ME	9430w Saturday (Friday 2000-2030, Sunday 1930-2015)
<b>USA UNIVERSITY</b>	0000-1200 NA	5030 6150 7375 9725 Costa Rica
<b>NETWORK</b>	1200-2400 NA	9725 11870 13750 Costa Rica
<b>GENE</b>	1000-2200 NA	11775 Anguilla
<b>SCOTT</b>	2200-1000 NA	6090 Anguilla
<b>USA VOA</b>	1400-1500 Eu ME	15195 17895
<b>USA VOA</b>	1500-1600 Eu ME	15195 15445
<b>USA VOA</b>	0300-0400 Af	4930 6080 <7340 9885 12080 15580
<b>USA VOA</b>	0400-0500 Af	4930 4960 6080 9575 <9885 11835 12080 15580
<b>USA VOA</b>	0500-0600 Af	4930 6080 6180 12080 15580
<b>USA VOA</b>	0600-0700 Af	6080 6180 12080 15580
<b>USA VOA</b>	1400-1500 Af	4930 6080 13570 15580 17685
<b>USA VOA</b>	1500-1600 Af	4930 6080 13570 15580 17895
<b>USA VOA</b>	1600-1700 Af	4930 6080 15580
<b>USA VOA</b>	1700-1800 Af	4930* 6080 15410 15580> *Sat, Sun
<b>USA VOA</b>	1800-1900 Af	4930> 6080 15410 15580 17895 (Sat, Sun 909 and 4930 from 1800)
<b>USA VOA</b>	1900-2000 Af	4930 4940 6080 11975 15410 15445 15580 17895
<b>USA VOA</b>	2000-2030 Af	4930 4940 6080 15445 15580
<b>USA VOA</b>	2030-2100 Af	4930 4940* 6080 15445 15580 *Sat, Sun
<b>USA VOA</b>	2100-2200 Af	6080 15580
<b>USA VOA</b>	2030-0030 Afghanistan	7555
<b>USA VOA</b>	0100-0200 FE SAs Pa	7430 9600 1170
<b>USA VOA</b>	1200-1300 FE SAs Pa	6140 9645 9760 11680
<b>USA VOA</b>	1300-1400 FE SAs Pa	9645 9760
<b>USA VOA</b>	1400-1500 FE SAs Pa	7125 9760 15185
<b>USA VOA</b>	1500-1600 FE SAs Pa	7125 12150 13735 15105
<b>USA VOA</b>	2200-0000 FE SAs Pa	7215 9415 11725 15185
<b>USA VOA</b>	1730-1800 Zimbabwe	4930 13755 15775 Monday to Friday
<b>USA WBCQ</b>	1700-2300 NA	18910 (Sunday 1300-2100, -2330 Wed, -2200 Sat, also 0000-0100 UT Saturday)
<b>USA WBCQ</b>	1400-0400 NA	9330 (Sat 1400-0300, Sun 1400-0330)
<b>USA WBCQ</b>	1800-0430 NA	7415 (Sat 1800-0700, Sun 1800-0445)
<b>USA WBCQ</b>	2300-1000 NA	5110
<b>USA WBOH</b>	0000-2400 NA	5920 Spanish and English
<b>USA WEWN</b>	0000-0500 NA Eu	5010 5810
<b>USA WEWN</b>	0500-0600 NA	5850
<b>USA WEWN</b>	0600-0900 NA Eu	5850 7570
<b>USA WEWN</b>	0900-1400 NA	5850
<b>USA WEWN</b>	1400-1600 NA	9955
<b>USA WEWN</b>	1600-1700 NA	9450
<b>USA WEWN</b>	1700-2000 NA Eu	9450 15390
<b>USA WEWN</b>	2000-2200 NA Eu	9450 15220
<b>USA WEWN</b>	2200-0000 NA Eu	9975 15745
<b>USA WHRI</b>	0000-0100 EuAf NA	5850 7315 7490
<b>USA WHRI</b>	0300-0400 EuAf NA	5835(Mon-Fri) 5850 7315(Sat,Sun) 7490
<b>USA WHRI</b>	0400-0500 EuAf NA	5835(Mon-Fri) 5850 7315(Sat,Sun) 7355

USA WHRI	0500-0600 EuAf NA	5835(Mon-Fri) 6145 7315(Sat,Sun) 7355
USA WHRI	0600-0700 EuAf NA	7335 7365 7490
USA WHRI	0700-0800 EuAf NA	7335 7365
USA WHRI	0800-1100 EuAf NA	7315 7335
USA WHRI	1100-1200 EuAf NA	6095 9660
USA WHRI	1200-1300 EuAf NA	9495 9660 17650
USA WHRI	1300-1400 EuAf NA	9495 9840 11785(Sa,Sun) 17650
USA WHRI	1400-1600 EuAf NA	9840 11785 17650
USA WHRI	1600-1700 EuAf NA	9840 11960 17640
USA WHRI	1700-1900 EuAf NA	9840 11960 15705
USA WHRI	1900-2000 EuAf NA	9840 13710 17650
USA WHRI	2000-2100 EuAf NA	7400(Mon-Fri) 9840(Sat,Su) 11885(Sat,Sun)13760(Mon-Fri)17650
USA WHRI	2100-2200 EuAf NA	7400(Mon-Fri) 9840(Sat,Su) 11885(Sat,Su) 13640 13670(Mon-Fri)
USA WHRI	2200-2300 EuAf NA	7490(Sun) 9515(Mon-Fr) 11885 13640
USA WHRI	2300-0000 EuAf NA	7315 7490(Sun) 7520 9515(Mon-Sat)
USA WINB	1100-1300 NA	9265
USA WINB	1300-2300 NA	13570
USA WINB	2300-0400 NA	9265
USA WMLK	1600-2100 Eu ME	9265 Monday to Saturday
USA WRMI	0000-0400 NA	7385 Tuesday to Saturday
USA WRMI	0400-1400 LA	9955 (from 0000 Sunday, Monday, some Spanish programming)
USA WRMI	1400-1600 NA	7385
USA WRMI	2100-2200 NA	7385
USA WTJC	0000-2400 NA	9370
USA WWCR	0000-0100 NA	3215 5070 7465 13845
USA WWCR	0100-0300 NA	3215 5070 5935 7465
USA WWCR	0300-0900 NA	3215 5070 5765 5935
USA WWCR	0900-1000 NA	5070 5765 5935 9985
USA WWCR	1000-1200 NA	5070 5765 5935 15825
USA WWCR	1200-1400 NA	5765 9985 13845 15825
USA WWCR	1400-1800 NA	9985 12160 13845 15825
USA WWCR	1800-2200 NA	9975 12160 13845 15825
USA WWCR	2200-0000 NA	5070 7465 9985 13845
This schedule is valid to 31st May and from 1st September (except 12160 runs to 2300)		
USA WWCR	0000-0100 NA	3215 5070 9985 13845
USA WWCR	0100-0200 NA	3215 5070 5765 13845
USA WWCR	0200-0900 NA	3215 5070 5765 5935
USA WWCR	0900-1000 NA	5070 5765 5935 9985
USA WWCR	1000-1100 NA	5070 5765 5935 15825
USA WWCR	1100-1200 NA	5070 5935 7465 15825
USA WWCR	1200-1400 NA	7465 9985 13845 15825
USA WWCR	1400-1800 NA	9985 12160 13845 15825
USA WWCR	1800-2200 NA	9975 12160 13845 15825
USA WWCR	2200-2300 NA	7465 9985 12160 13845
USA WWCR	2300-0000 NA	5070 7465 9985 13845
This schedule is valid from 1st June to 31st August		
USA WWRB	0000-0500 NA	3185 5050 5745 6890
USA WWRB	0500-1200 NA	3185
USA WWRB	1200-1300	3185 6890
USA WWRB	1300-1500 NA	6890 9385
USA WWRB	1600-1700 NA	9385 9430
USA WWRB	1700-2300 NA Eu Af	9385 9430 11915 15250
USA WWRB	2300-0000 NA	6890
Schedule subject to daily variations.		
USA WYFR	0000-0100 NA/LA	6065 9505 /11835 17805
USA WYFR	0100-0200 NA	6065 9505
USA WYFR	0100-0200 As	15195v
USA WYFR	0200-0300 NA/LA	6065 9505 / 5985 11835 11855
USA WYFR	0300-0400 NA/LA	6065 9505/ 11740 15255
USA WYFR	0400-0500 Eu/NA/LA	7780/ 6065 6855 9505 / 9715
USA WYFR	0500-0600 Eu/NA	9355/ 6855
USA WYFR	0600-0700 NA/LA	9680/ 6000
USA WYFR	0600-0700 Eu/Af	7780 11580/ 11530
USA WYFR	0700-0800 Eu/NA/Af	7780/ 5985 6855 9505 9715/ 9930
USA WYFR	0800-0900 NA/Af	5950 5985 6855/ 9930
USA WYFR	0900-1100 As	9450r
USA WYFR	0900-1000 NA	5985 6855 9755
USA WYFR	1000-1100 NA	5950 5985 6855 9755
USA WYFR	1100-1200 NA/LA	5950 5985 9755/ 7780 9550 9625
USA WYFR	1200-1300 NA/LA	5950 5985 9755 17750/ 17555
USA WYFR	1300-1400 NA	11830 11865 11910 17750
USA WYFR	1300-1500 As	11520v 11560v 11895r 13670w

USA WYFR	1400-1500 As	7320r 9865r 12150r
USA WYFR	1400-1500 NA	11830 11910 13695 17750
USA WYFR	1500-1600 NA/LA	11830 11910 17750/ 15770
USA WYFR	1500-1600 As/Af	6280v 7320r 15520d/15750w
USA WYFR	1600-1700 NA	6085 11830 11865 13695 17750
USA WYFR	1600-1700 As	11850d
USA WYFR	1600-1700 Eu/Af	18980 21455/ 21525
USA WYFR	1700-1800 NA	13690 17795
USA WYFR	1700-1800 Eu/Af	18980 21455 21680a
USA WYFR	1800-1900 Eu/Af/As	3955u 18980/ 7395t 15750w 17535/ 7240r 13780u 15750w
USA WYFR	1800-1900 NA	13690 13800 17795
USA WYFR	1900-2000 Eu/Af	9840d 18930 18980/ 3230m 6020t 7395t 17845
USA WYFR	1900-2000 NA	6085 13690 13800 17795
USA WYFR	2000-2100 Eu/Af	12060r 17750 18980/ 3230m 6020t 15195a 17845
USA WYFR	2000-2200 NA/LA	13800 17795/ 17725
USA WYFR	2100-2200 Eu/Af	11565 12060r 18980/ 6045m 11875a(from 2115) 17845
USA WYFR	2200-2300 Af	11875a(to 2315) 15770
USA WYFR	2200-2300 NA	11740
USA WYFR	2300-0000 NA/LA	11740/ 15255 17750

VATICAN RADIO	0140-0200 As Pa	5915 7335
VATICAN RADIO	0250-0320 NA	6040 7305
VATICAN RADIO	0300-0320 As	15560
VATICAN RADIO	0300-0330 Af	9660
VATICAN RADIO	0500-0520 Eu	4005 7250
VATICAN RADIO	0500-0530 Af	9660 11625 13765
VATICAN RADIO	0630-0700 Af	11625 13765 15570
VATICAN RADIO	0630-0645 EuAsPaAf	4005 5885 6185 7250 9645 11740 15595
VATICAN RADIO	1130-1200 Af AsPa	15595 17765
VATICAN RADIO	1530-1600 As Pa	12065 13765 15235
VATICAN RADIO	1615-1630 EuAsPaAf	4005 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	7365 9755 11625

VOICE OF VIETNAM	0100-0130 NA	6175c
VOICE OF VIETNAM	0230-0300 NA	6175c
VOICE OF VIETNAM	0330-0400 NA	6175c
VOICE OF VIETNAM	1000-1030 As	9840
VOICE OF VIETNAM	1100-1130 As	7285
VOICE OF VIETNAM	1130-1200 As	9840 12020
VOICE OF VIETNAM	1230-1300 As	9840 12020
VOICE OF VIETNAM	1330-1400 As	9840
VOICE OF VIETNAM	1500-1530 SEAs	7285 9840
VOICE OF VIETNAM	1600-1630 Eu SEAs	7220 7280 9550 9730
VOICE OF VIETNAM	1700-1730 Eu	9725 Moosbrun
VOICE OF VIETNAM	1900-1930 Eu	7280 9730
VOICE OF VIETNAM	2030-2100 Eu As	7220 7280 9550 9730
VOICE OF VIETNAM	2330-2400 As	9840 12020

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

ZAMBIA CHRISTIAN V	0500-0600 Waf	9430
ZAMBIA CHRISTIAN V	0600-0900 Waf	13650
ZAMBIA CHRISTIAN V	0600-1500 Af	6065
ZAMBIA CHRISTIAN V	0900-1500 Waf	13590
ZAMBIA CHRISTIAN V	1500-0600 Af	4965
ZAMBIA CHRISTIAN V	1500-1800 Waf	15715
ZAMBIA CHRISTIAN V	1800-2100 Waf	5940

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