

The **NASWA** Journal

VOLUME XLVIII NUMBER 6

JUNE 2008

IN MEMORIAM

Edward Startz

20 February 1899 - 18 March 1976 †

Edward (Eddie) Startz, the world's pioneer shortwave broadcaster and for more than 40 years compere of the world's most popular shortwave programme - the Happy Station - has gone from us.

Before Startz, BC-DX was unknown. It started with him. On the occasion of the 40-th anniversary of the Happy Station in 1968, the Swedish Federation DX-Alliansen awarded him its Gold Plaque in recognition of his service to the DX hobby. But his services to shortwave broadcasting in general were equally important, for his vast audience was made up of every SWL category. Among the stars on the shortwave firmament, he was the greatest.

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The Apex Radio 303WA-2 is a quality passive receiving antenna providing coverage from 30 kHz to 30 MHz. The antenna is designed for areas where space is a problem or when an unobtrusive installation is essential. The small size and relatively lightweight design is ideal for installation in a confined space such as apartment balcony. Since the 303WA-2 is passive it provides superior low noise performance, free of cross and inter-modulations. The 303WA has a "U" bolt metal fitting that will require a short stub mast (not supplied). The mast diameter can be 0.4 to 1.9 inches. The antenna has a total height of 6 feet. It comes with a pre-assembled 30 foot length of cable with a PL259 plug to connect to the antenna base and a BNC plug for your radio.

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Apex 700DTA Order #3872 \$179.95



King of the Satellites - Six Five O The Grundig Satellit 650

By Thomas Baier.

Here is the book Satellit 650 owners have been waiting for. Clearly the famous Satellit 650, was the "king" of the Grundig Satellit line. Author Thomas Baier, draws from his sources in Germany to report all about this famous world band receiver. Over 100 pictures are featured in this 80 page book. Learn about variants, production numbers, disassembly, adjustments, bulb replacement and much more. The Owner's Manual and circuit schematic are also fully reproduced. This is a "must have" reference for anyone lucky enough to own a Satellit 650. 80 Pages 8 1/2 x 11 inch. First Edition - Second Printing. ©2007

Order #0650 \$22.95

KAITO-ELECTRONICS INC. KA33

The Kaito KA33 is an active shortwave, wire loop antenna that covers AM plus shortwave 3.9 to 22 MHz. The KA33 has dual outputs. If your portable shortwave radio has an 1/8 inch mini antenna jack you can plug this antenna directly in. For shortwave radios without an antenna jack, you also get simple clips for direct connection the radio's telescopic whip antenna. The control box has an LED to remind you when the antenna is turned on. There is a Tuning Knob on the control box that should be adjusted as you change frequency. This antenna is designed for indoor use only and requires two AAA cells (not provided).

Kaito KA33 Order #3670 \$36.95



KAITO-ELECTRONICS INC. KA35

The Kaito KA35 is an active shortwave, medium wave loop antenna that covers 100 kHz to 30 MHz. It features an interchangeable a Ferrite element (that provides a degree of directionality) and a telescopic whip element. This antenna has a built-in fixed battery. This battery is rechargeable via the built-in solar cell, the supplied AC adapter or via a computer USB cable. Output is to a junction cable that, in turn, has output to a 3.5mm mini plug. (Please note the BNC jack is strictly to the junction cable). This antenna is designed for indoor use only.

Kaito KA35 Order #4835 \$89.95



Listening to Longwave The World Below 500 Kilohertz

By Kevin Carey.

Listening to Longwave is your introduction to the fascinating "basement band" of the radio spectrum. Key features of this book include:

- ✓ Who is on the air — when and where to listen.
- ✓ Receivers, converters and antennas for effective longwave reception.
- ✓ Longwave listening tips.
- ✓ Monitor the sounds of nature: Whistlers, Tweeks, Dawn Chorus and other radio atmospheric.
- ✓ Longwave navigation beacons, time stations, broadcasters, time stations and NAVTEX weather broadcasts.
- ✓ License free experimenter's band.

Universal Radio ©2007 98 pages.
Order #0024 \$6.95

HY POWER AB-SWL-SL

The new Hy Power AB-SWL-SL sloper will cover the 120 to 11 meter shortwave broadcast bands plus MW. It is constructed with 12 gauge insulated wire and stainless hardware. This 62 foot antenna accepts either a PL-259 or twinlead (neither supplied).

AB-SWL-SL Order #5062 \$89.95

ApexRadio SPL-2

The SPL-2 allows two shortwave receivers to be connected to one antenna without interaction and with minimal signal loss. A very high degree of isolation (over 35 dB) between both receivers ensures that each receiver can be tuned and operated as if it were connected to its own antenna. That is, as an antenna combiner for two antennas to one receiver. This device is operational from 1 MHz to 650 MHz. This is a passive (not amplified) device. The SPL-2 uses three SO-239 jacks.

SPL-2 Order #5043 \$119.95



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Prices shown are after mfg's. coupons.
Returns are subject to a 15% restock fee.

Please note that **Bill Oliver** has a new e-mail address: billoliver@verizon.net. All communications about subscriptions, bulletin delivery issues, the use of PayPal as a payment method should be directed to Bill at either the familiar 45 Wildflower Road, Levittown, PA 19057 postal address or by using his new e-mail address. The Comcast e-mail address is no longer be valid. Please make that change in your e-mail directory. Thanks!

Jeff White provides some news about the recently held National Association of Shortwave Broadcasters (NASB) and USA DRM Group meetings in Cary, North Carolina. **Bill Damick** of Trans World Radio was elected to the board of directors of the NASB at the 2008 annual meeting on May 9th. The other NASB board members are **Jeff White** of WRMI (president), **Mike Adams** of FEBC (vice president), **Glen Tapley** of WEWN, **Adrian Peterson** of Adventist World Radio and **Charles Caudill** of World Christian Broadcasting, which operates shortwave station KNLS in Alaska. The new board decided to investigate the possibility of the NASB commissioning a survey of shortwave listeners in North America, and it talked about methods of publicity that the group can use to make listeners more aware of its member stations and organizations. The meeting was hosted by Trans World Radio at its world headquarters building in Cary, a suburb of Raleigh. This year's conference was the 20th annual meeting of the NASB, which is a professional association for the nation's privately-owned shortwave stations. The NASB annual meeting was combined with the annual meeting of the USA DRM Group. The DRM meeting took place on May 8 at the same TWR venue, and featured speakers such as **Adil Mina** of Continental Electronics, who is chairman of the USA DRM Group and a director of the DRM Consortium. Mina gave

an update on the latest developments at the Consortium, and the prospects for new consumer-friendly, inexpensive DRM receivers in the coming months. At the Cary meeting, the NASB decided that its representatives at the upcoming High Frequency Coordination Committee (HFCC) meetings will be **Glen Tapley** of WEWN, who will attend the B08 HFCC Conference in Moscow in August; and **Jeff White** of WRMI, who will go to the A09 conference in Tunis, Tunisia in February, 2009. Also, the members decided the dates and places for the next two annual meetings, which will again be held jointly with the USA DRM Group meetings. The 2009 meetings will be co-hosted by World Christian Broadcasting and WWCN in the Nashville area on May 7 and 8, 2009. The 2010 meetings will take place May 13 and 14 in Hamilton, Ontario, hosted by associate member Galcom International. Complete audio files of this year's meetings, as well as video presentations, will soon be available on the NASB's website, www.shortwave.org. If any members were in attendance, we would love to have first hand reports of the proceedings.

This year the *Euro-African Medium Wave Guide*—for ten years it has been the primary source of information for medium wave enthusiasts all over the world—celebrated its 10th anniversary with a quiz that was open to all. The quiz dealt primarily with medium wave, but covered other radio aspects with 21 questions. The grand prize winner was **Uwe Volk** in Germany with 19 correct answers. He was followed by **Wolfgang Büschel** from Germany with 18 correct answers. Third place went to **Jari Savolainen** from Finland also with 18 correct answers. Rounding out the top ten with the number of correct answers in parenthesis were **Bjorn Fransson** from Sweden (17), **Mike Barraclough** from England (17), **Bryan Clark** from New Zealand (16), **Tony Rogers** - Eng-

Our Motto: Unity & Friendship

land (16), **Dan Goldfarb** from the UK (16), **Martin Elbe** from Germany (15) and **Guido Schotmans** - Belgium (15). Finishing in 19th place was **Thomas Voelkner** from Germany with 13 correct answers who won a NASWA T-Shirt from the Company Store. A total of 55 radio hobbyists from around the world representing 20 different countries participated in the event. Thanks to **Herman Boel** for organizing the contest.

According to HCJB in Quito, Ecuador broadcasts from their shortwave station in Ecuador will continue at least through October 2008 as the Quito airport authority has granted the mission's request to postpone the dismantling of its shortwave radio towers. HCJB's agreement two years earlier with the Quito Airport Corporation required the station to remove the radio towers in Pifo to make way for a new international airport. Languages that air via shortwave from Ecuador include Portuguese, Spanish, Quichua, Quechua, German, Low German, Cofán, Waorani and Culina. **Doug Weber** who directs mass media for HCJB Global Voice in Latin America "This also means we can continue to do some of our test broadcasts, particularly to Europe and to Brazil," said Weber, referring to broadcasts in the digital shortwave format being researched and developed by Digital Radio Mondiale (DRM). The station press release mentioned that they "recently aired several days of English-language programming for attendees of a large conference of shortwave enthusiasts in the U.S." That would be our very own Winter SWL Festival back in March.

Robert Kipp mentioned that 2007 Radio St. Helena Day QSLs are on the way to 110 DXers around the world (26 are going to Japan) in this first batch. More will follow soon. The list of 17 names of DXers that still need their Radio St. Helena Day 2006 QSL has been sent to the station by Robert. Hopefully, they will check their files and presumably Radio St. Helena will contact the individuals by email regarding the missing reception reports. The RSH 40th anniversary souvenirs are now "sold out". Not one person from USA ordered any. Rather disappointing but the payment arrangements were not suitable for North Americans.

As mentioned above, Radio St. Helena QSLs for last year's special broadcast are beginning to arrive. Another transmission is planned for later this year possibly in October. If you have previously contributed funds to help get this project off the ground, thank you! If not, why not consider sending some money to help pay down the debt incurred in establishing the transmitter and antenna set-up by Robert Kipp. Getting Radio St. Helena back on the air was a voluntary hobby commitment lead by Robert with his only source of funds coming from hobby contributions. Contributions can be sent to Richard D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610 with checks made out to Radio St. Helena Fund—thanks! So far, I have seen reports from QSLs received in the USA, Mexico and Japan. More should be arriving during the summer months.

Congratulations to long time member **Bob Padula** of Melbourne, Australia on completing 44 years of voluntary continuous service in writing, hosting, and broadcasting DX programs over domestic and international stations. That is quite an accomplishment considering how few of such programs exist these days. Another 44 years Bob?

Don't forget to order your copy of the 10th edition of its annual *Domestic Broadcasting Survey* (DBS) issued by the Danish Shortwave Club International (DSWCI). There should be a review of this excellent resource in this month's *Shortwave Center*. This survey is divided into four parts: Part 1 is the 36th edition of the *Tropical Bands Survey* covering all active broadcasting stations on 2300-5700 kHz. Part 2 covers domestic stations on international shortwave bands above 5700 kHz broadcasting to a domestic audience. In Part 3 all active clandestine shortwave stations are listed with schedules and identifications. Finally, Part 4 indicates deleted frequencies between 2 and 30 MHz which have not been reported heard during the past five years, but may reappear. The DBS is a must for every DXer! All buyers of DBS-10 will get a username and password to the monthly updates on the tropical bands published as "Tropical Bands Monitor" on the club's website. The similar data from 2005, 2006 and 2007 are available at www.dbs10.com.


dswci.org/tbm to anybody. The 36 pages A-4 size DBS-10 is available by e-mail as PDF format file (about 175 kB). A limited number is also available printed on paper. It is sold by the treasurer: DSWCI, c/o Bent Nielsen, Egekroggen 14, DK 3500 Vaerloese, Denmark. The cost for the E-Mail edition is DKK 40,00 or US\$9.00 or €5,00 or £4,00 or SEK 50,00 or IRC 5. The cost for the printed edition is DKK 80,00 or US\$17.00 or €11,00 or £8,00 or SEK 105,00 or IRC 9.

Also, don't forget that Radio Free Asia (RFA) is offering its 21st QSL card honoring German physicist and radio pioneer, Heinrich R. Hertz. This is the second QSL card in their "radio pioneer" series. Future QSL cards will include other radio pioneers like Nikola Tesla and Reginald Fessenden. RFA encourages listeners to submit reception reports. Reception reports are valuable to RFA as they help the station evaluate the signal strength and quality of transmissions. RFA confirms all accurate reception reports by mailing a QSL card to the listener. RFA welcomes all reception report submissions at www.techweb.rfa.org (follow the QSL REPORTS link) not only from DXers, but also from its general listening audience. Reception reports are also accepted by email at qsl@rfa.org, and for anyone without Internet access, reception reports can be mailed to: Reception Reports, Radio Free Asia, 2025 M. Street NW, Suite 300, Washington DC 20036, USA.

Upon request, RFA will also send a copy of the current broadcast schedule and a station sticker.

The Reading Area DXers has set a schedule of meetings for the remainder of 2008. The group had another meeting on April 29th at The Flying Dog in beautiful and majestic Earlville, PA. The next meeting is scheduled for May 23rd at The Flying Dog followed by another meeting on June 27th. See **Ron Hunsicker's** musings for the dates for the remainder of the year. If you would be interested in attending future gatherings please contact me so I can get you on the Reading Area DXer distribution list. That way any changes in time, date, venue, etc can be rapidly transmitted to all concerned. Meeting with fellow hobbyists is a great way to add enjoyment to our fine hobby.


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

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

NASWA Yahoo Group


Don't forget about the recently formed NASWA Yahoo Mail Group moderated by **Dan Ferguson**. This group is for, and limited to, members/contributors to NASWA's *Journal* and other NASWA publications to discuss reception of shortwave radio broadcasts, program content, propagation and equipment. Discussions should be related to any aspect of the hobby from reception conditions, loggings, program content, hot news and information as well as radio equipment and accessories. In other words, the same type of material that you would tend to see in *The Journal* or the *Flashsheet*. Please keep in mind that loggings, QSL news, schedule changes should also be reported to the appropriate column editor of *The Journal* for publication. This forum is a supplement to, not a replacement of, *The Journal*. With your request to join, please leave your name, location, and enough information in the comment box so the moderator can determine that you are a NASWA member/contributor. Whatever you say in the comment box is seen only by the moderator—it is not seen by members of the group. Subscribe by going to <http://groups.yahoo.com/group/NASWA/>. Thanks Dan for launching this exciting new venture for the club. The rest is up to you, the membership, to determine the success of this operation.

FRENDX: Twenty-Five Years Ago (June 1983)

Headquarters Report noted that "The Charley Loudenboomer column which occasionally appears in *Frendx* is written for fun and is not intended to be descriptive of nor refer to any particular persons. However, the CL column which appeared in April *Frendx* was considered inappropriate by someone and, since it is not the purpose of *Frendx* to offend, we hereby apologize for any annoyance this column might have caused anyone." Meanwhile in "It Sounds to Me!" column editor John Moritz welcomed back CL noting that "Your caustic wit and style have long been missed in the pages of this bulletin." The 1983 WTFDA Convention of August 5-7, 1983 was scheduled for Dunkirk, NY. In John Herkimer's Shortwave Center column, Al Sizer's final "The Mystique of the QSL" article appeared with quotes from Marlin Field, John Moritz, John Campbell and Bill Matthews. Richard E. Wood provided "Hints on Reporting Arab Stations" and Ron Howard profiled "Swaziland Commercial Radio." Steve Reinstein wrote about Radio Venceremos. In Technical Topics, Editor Ed Shaw noted that he will relinquish editorship after the July issue. Roger Legge presented the May-August 1983 English Language Broadcasts to North America. In the QSL Report, Sam Bårto noted 121 countries were reported with good ones from Peru, Colombia, CID, and Rio Muni. Jerry Lineback's Scoreboard featured Europe in the Spotlight with 141 members participating. Log Report Section A editor Stu Klein noted that the column was short because of poor band conditions. Log Report Section D editor Brett Saylor noted that Sections D and E have been combined into one column. In Log Reporters Nick Pappas thanked the 59 members for their contributions. 

Calendar Of Events

- Jun 13 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>
- Jun 13-15 Annual General Meeting (AGM) and DX Camp. The Danish Shortwave Club International** will hold its AGM June 14th and DX Camp from June 13th through June 15th at Vardeborg, Vejers Beach, Denmark. For further information contact Bent Nielsen (bent.elin@webnetmail.dk), Egekrogen 14, DK-3500 Vaerloese, Denmark. Participation fee for the DX Camp is US\$80.00.
- Jun 16 Meeting. Tar Heel Scanner/Shortwave Listening Group.** Red, Hot and Blue restaurant, 6615 Falls of the Neuse Rd., Raleigh, NC. Dinner @ 6:30PM, meeting @ 7:30PM. Meetings the 3rd Monday of each month. Info, Curt Phillips, 919-773-4522, <<mailto:curt@nerdster.net>>curt@nerdster.net.
- Jun 27 Meeting. The Reading Area DXers** will hold another meeting at The Flying Dog in majestic Earlville, PA (Route 562 and Airport Road). Members gather around 5:30 PM near the bar area before heading into the restaurant for dinner and further discussions. Contact Rich D'Angelo (2216 Burkey Drive, Wyomissing, PA 19610; 610-678-0937; rdangelo3@aol.com) for further information about future meetings.
- Jul 12 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>>

- Aug 16, 2008 Convention. 2008 Madison-Milwaukee Radio Get-together.** The 15th Annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts will take place on Saturday, August 16, starting at 1 PM CDT. This year's venue is Milwaukee WI, and Tim Noonan will be hosting. Further information will be released as it becomes available.
- Sep 5-7, 2008 Convention.** The **2008 European DX Council Conference** is scheduled for Vaasa, Finland on 5-7 September 2008. Former EDXC Secretary General Risto Vahakainu of the Finnish DX Association is coordinating the event. Their website is under construction at <http://www.netikka.net/edxc2008/>. Further information will be made available at a later date.
- Sep 12-14, 2008 Convention.** The **2008 IRCA Convention** will be held at the Days Inn in Flagstaff, Arizona on Route 66 from 12 to 14 September 2008. Room rates are \$65.00. There will be station tours, an auction and a banquet. Further information will be released as it becomes available.
- Sep 26-28, 2008 Conference. The Pacific Radio Conference** to be held in Wellington, New Zealand on 26-28 September 2008. You'll find more information about the conference at www.radioheritage.net. Please email info@radioheritage.net or write to the Radio Heritage Foundation, P. O. Box 14339, Wellington 6241, New Zealand.
- Oct 3-5, 2008 Convention. The New Zealand Radio DX League** will hold its 60th Anniversary celebration from 3 to 5 October 2008 in Oamaru, New Zealand. The program will consist of the 2008 Annual General Meeting, a celebratory luncheon and opportunities for DXing. More details to follow.
- Nov 12 Awards. The Association of International Broadcasters awards gala** will be held in London, England with the presentation of international television and radio awards. AIB Media Excellence Awards and Diner Pensant LSO St. Luke's, 161 Old Street, London EC1V 9NG. The cost of each place at the Dinner at the early-bird rate (valid to 30 June 2008) is £175 plus UK VAT @ 17.5% (£30.62), giving a total cost of £205.62 per place.
- Mar 13-14, 2009 Convention. The 22nd Annual Winter SWL Festival**, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 13th and 14th March 2009. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special Fest event. See you there!
- May'09 Annual Meeting. The 2009 National Association of Shortwave Broadcasters and US DRM Group** will be held in Nashville, TN 7 and 8 May 2009. It will be co-hosted by World Christian Broadcasting and WWC. Additional information will be available at a later date.
- Mar'10 Convention. The 23rd Annual Winter SWL Festival**, sponsored by NASWA, will be held at the Best Western—The Inn at Towamencin on 5 and 6 March 2010. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special Fest event. See you there!
- May'10 Annual Meeting. The 2010 National Association of Shortwave Broadcasters and US DRM Group** will be held in Hamilton, Ontario on 13 and 14 May 2010. It will be hosted by Galcom International. Additional information will be available at a later date.
- Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: rdangelo3@aol.com) or Ralph Brandi (Internet: ralph@brandi.org). 

Musings

Ron Hunsicker <ronhuns@ptd.net>, 1238 Cleveland Avenue, Wyomissing, PA 19610-2102 Ed Mauger, Mark Ferrioli, and I made it (thought the trip from DuBois had me at the 'Dawg at about ten after six). Same waitress. We decided that it is best to talk slowly and clearly when speaking to her. Ed offered that she also works a shift at the mini-market down the road. After the first round, she switched out my Diet Coke for an iced tea again.

Ed brought more magazines and pamphlets; neat stuff. Primed by frequency lists that Ed brought, we talked about the '30s stations when there were few frequencies available. Also, the spots on the dial where call letters are now were different in the 30's for these same call letters. This month, Mark was empty-handed. We talked about my new random wire antenna (there is a separate e-mail with a follow-up to the meeting) and Ed talked about his days dealing with really big steel wires holding up antenna towers. He also mentioned that his antenna follows the roof overhang at his house a half-mile or so down the road.

We agreed that The Flying Dog is a good place to meet, so Ed made a reservation for Friday, 23 May at 1730.

We also talked about the schedule and agreed that the fourth Friday works well except in November and December when we thought that the third Fridays likely will see better attendance. So, 23 May, 27 June, 25 July, 22 August, 24 October, 21 November, and 19 December.

I "showed and telled" my new antenna on Friday evening. A random wire about 83 feet long that has an almost perfect north/south alignment (I take the signal off at the southern end).

Ed Mauger asked how the new antenna compared to my other antennas and, since I had not done that, he suggested that I get off my butt and compare them.

I made the comparison today, Sunday. I used WWV on 5 mc, 10 mc, and 15 mc and CHU on 7335 mc as standard stations. The measuring device is the S-meter on my Drake R-8 and the units are S-units. Rather than connect each antenna individually to the receiver, I connected two of them at one time to an Alpha Delta two-position antenna switch and switched back and fourth between them.

The antennas: LF Engineering H-800 (circa 1996 and up on a metal pole since then), dipole in the attic cut for 6955 (erected in about 1995, but inside and protected from the weather and, presumably, "as new") and the new random wire, which was erected two weeks ago.

At 1415 UTC H-800 Dipole Random Wire 5 no signal no signal no signal, 7335 7 9 3 with noise, 10 4 1 7, 15 7 3 7

1415 UTC: At 7335, the dipole collected far less noise than either of the others. At 15 mc, the H-800 was noisier.

At 2000 UTC H-800 Dipole Random Wire 5 no signal no signal no signal 7335 5 7 6 (noisy), 10 2 (noisy) 1 3 (noisy), 15 5 2 5

2000 UTC: Much higher noise level six hours later.

What did I learn? Each antenna has its strengths.

A better question: Will I take advantage of this knowledge?

Bob Fraser, 255 Lincolnville Avenue, Belfast, ME 04915-7404

I recently came across a new transmission by Moldova. In spite of spending some time on it, I didn't get too good a reception.

What I got is Moldova on 12135 kHz signing on at 1400 UTC. The program is described as "informational and analytical" and is all commentary-report of the "development" of this "new republic." Today's program (April 23) was more political but yesterday's was about Romania claiming or occupying land which rightfully belongs to Moldova.

The whole transmission is of three 15 minute programs, repeated and repeated. The first is in English by a man, then French by a woman, then in something like a cross of German and Slavic by another man. The English portions were 1400-1415, 1445-1500, 1530-1545, 1615-1630, and on.

There was an ID of "Radio PMR" at the start of each segment in the appropriate language. The signal was quite good but there were deepish fades at times, usually when the sked and address were given.

I was using my Grundig YB-300PE which seemed a little better in reception despite getting QRM from AFRTS on 12133 kHz over my and Sony ICF SW-100. Perhaps the slightly larger speaker of the 300 PE was the cause. I was using a reel type antenna inside the house.

The frequency was somewhat noisy. Perhaps someone in the club who has better equipment can pull it all out of the hash, and give a more complete report.

From Steve Wood, So.Yarmouth, MA

I received today a QSL from R. St. Helena for their Dec.2007 broadcast. It arrived in 124 days and was stamped as dispatched from St. Helena on Apr.9, 2008. The card is a 40th anniversary card with a map of the island and the coat of arms for St. Helena along with photos of the broadcasters. Five dollars was sent for return postage. This is my first QSL from them. Every other time they were broadcasting I wasn't able to pick them up or had something else happen to interfere with listening thus I am quite pleased with this.

Dave Turnick, Reading PA

I went camping this weekend at the West Chester PA KOA campground and threw up an 80 foot long wire. Did not catch anything real exciting but had a good time putting around the airwaves all night long, intermixed of course with the Phillies baseball game.

Ralph Brandi, Middletown, New Jersey

The antenna repair/replace project is almost finished; just waiting for a few pieces of hardware so I can connect up the coax I buried this spring to some wire. One working antenna, some noise, but not too bad.

Toshi Ohtake <ohtaket@yahoo.co.jp>, 5-31-6- Tamanawa, Kamakura 247-0071, Japan

The first topic is about Australian relay of Japanese government-sponsored short wave program. The program toward North Korea started to use Australian relay from 30th of March. Radio Furusato no Kaze, or the Wind of Hometown, has been aired on 11775 kHz from 1430 to 1500 UTC in Japanese, and on 11690 kHz from 1500 to 1530 UTC in Korean. The Taiwan relay of the same station is on 9780 kHz from 1600 to 1630 UTC in Japanese, and on 9820 kHz from 17:00 to 1730 UTC in Korean.

Another station targeting to North Korea, Shiokaze, or Sea Breeze, changed its frequencies. The new schedule is from 1400 to 1430 UTC on 6020 kHz in English, Korean, Chinese and Japanese language, and from 2030 to 2100 UTC on 6045kHz in Japanese, both are retransmitted from Yamata, Radio Japan's transmitter site at 50 km North of Tokyo, operated by KDDI.

Next topic is about QSL from Radio St. Helena. The verification card of Radio St. Helena Day 2007 was received on April 24. According to Mr. Robert Kipp of Germany, who is a sponsor of this card, this is one of the first batches of 100 cards air-mailed on April 11 from St. Helena Islands. There is a short note attached to my card, saying RSD 2008 will consider transmitting in October, as I had requested this with my reception report, because the signal of 2007 RSD transmitted in December was so weak, compared to RSD 2006 conducted in October that year.

This is all for this month.

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

Phil Stremple <phil_stremple@agilent.com>, Folsom, CA

I was surprised with all of the North Koreans. I spent a lot of time going back and forth with them and it was fun. The next time I'm up that early I'll focus on the regional Chinese stations. There were plenty there but it will take some time to unravel it all.

One nice thing about submitting to the Flashsheet is that you can meet some really great people! After last week's submission I got a nice e-mail from fellow California DXer Ron Howard that lead to some good advice on Eastern Russian stations and the best times to hear the local programming and Radio Rossi. I had spent some time during the winter listening to the local Kamchatka station and enjoying the local flavor in between Radio Rossi. So now we need a good strategy to get a verification! He also showed me some other frequencies for the Japanese Shiokaze station. This is the type of interaction I hoped to have when I joined the NASWA. So I would encourage everyone to contribute and take the chance to meet a new friend with a common interest and get some good advice.

Unfortunately the chance of submitting loggings in the next Flashsheet is slim as I just arrived in Belgium today and will be here on business through the 12th. I did bring a Sony 7600 just in case but I'm afraid it will be a lot of work.

Artie Bigley gabigley18@hotmail.com

I am trying to find an old "Ziff Davis" annual magazine that was published from about 1968 to 1970. It had articles on Short Wave and Medium Wave DXing. Any help??

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

Maybe it's just my perception, but lately it seems that people are absolutely gushing over DRM. Not long ago, most DXers recognized the huge interference potential posed by the use of high powered wideband digital signals on short wave, but apparently that's no longer the case. I can only hope that the present escalation of interest in what I believe to be a seriously flawed technology is a passing fancy. If DRM eventually gains a foothold on HF, it will undoubtedly become as big a blight on the short wave spectrum as jamming, over-the-horizon radar and CODAR.

Joe Wood <joekennethwood@usa.net>, Greenback TN

Nothing too spectacular this time, but it is the first time in a month I have had the chance to listen to anything other than the odd pirate. Also, it is a miracle that anything at all was coming through due to an awful thunderstorm during the entire period.

The storm was bad enough to have my little boy and all three cats huddle around me. My son was listening to FM, one cat was trying for Radio Nepal, the second cat was trying for Radio Myanmar, and the third was working UTEs in the Bay of Bengal.

Dr. Mark J. Ferrioli <Drmarkjf@AOL.Com >, P. O. Box - 5000, Philadelphia, PA 19111
I recently attended the Spring 'Antique Radio Show' at the Kutztown, PA, branch of the Renningers Antique and Farmers Market (740 Noble Street) sponsored by the Delaware Valley Historic Radio Club on Friday and Saturday May 9th and 10th, 2008. The event was Free to attend and featured Free Parking, Free Overnight Camping (For those so inclined) and a Tent with Refreshments Offered for Purchase. The event itself featured some One Hundred (100) Plus Tables under the 2nd Pavilion located directly behind the Antique / Farmers Market. All kinds of Antique Radios (AM, FM, SW and Ham) and Antique Televisions were displayed and offered for Sale. Every kind of Tube, Tuning Knob or Part was available (This was a Non-Computer Show). What a tremendous number of Exhibitors, Collectors and Dealers were present! It was rather amazing and was the sort of thing that would make any Radio Fan's Mouth Water! Mine did! I was most impressed with the many Shortwave Receivers exhibited (Many were on and working). In fact, the only negative was the rain, cool air, and lots of mud outside the open sided pavilion (Which was larger than a football field). But, there is not much one can do about the weather. There was also both a Quality Radio Auction on Friday night and a General Auction on Saturday featuring well known auctioneer Richard Estes. I and at least one other NASWA Member greatly enjoyed the event! The next Antique Radio Show is planned for Friday and Saturday September 21st and 22nd, 2008. I have floated the idea of volunteering to man a Table representing our club (NASWA) at the next show. Richard D'Angelo our Executive Director thinks it would be a good idea as we both feel it would be an ideal opportunity to promote NASWA and perhaps, even gain a few additional members. I am certain there are many Shortwave Listeners who attend, but have no idea that our club even exists. All I can see is Opportunity! I am certainly going to investigate further the possibility of setting up the above mention Club Table at the pending Fall show.

Giovanni Serra <gioser24@fastwebnet.it>, Via Raffaele 16, I-00147 Roma, Italy
Hi! Only three audible logs of mine ... currently bad listening conditions on Tropical Bands (my preferred radio listening) here in Rome, and usual strong broadcasts, such as R. Clube do Para on 4885 & R. Rebelde on 5025 are disrupting their signal under heavy static and a strong jet stream QRM similar to jamming (any idea?), with peaks to S-9+ or more! (really too much for my NIR 10 audio filter!) Till the previous weekend, R. Rebelde on 5025 was the strongest broadcast on tropical bands caught with my radio shack.

Let's hope for the better condition on the tropical bands during the upcoming nights. Till the next

Jim Ronda <james-ronda@utulsa.edu>, Tulsa, OK
My first full week of retirement with lots of interesting listening and some time spent preparing reception reports. If this is retirement, I'll take it! The Seychelles log was the first since living in Ohio and DXing in the 1970s.

Richard A. D'Angelo <rdangelo3@aol.com>, 2216 Burkey Drive, Wyomissing, PA 19610
Despite the fact that the calendar says it is spring, most of the time the weather has not cooperated. I have managed only one backyard DX session in the evenings because it has been too cold to sit outdoors after work. Other times it has been wet. Hopefully, conditions will improve on the other side of Memorial Day.

Radio St. Helena QSLs for last year's special broadcast are beginning to arrive with another transmission planned for later this year. I am hearing October for the next Radio

St. Helena Day shortwave broadcast. The organizers could still use our help in helping to fund the project. Getting Radio St. Helena back on the air was a voluntary hobby commitment lead by Robert Kipp with his only source of funds coming from hobby contributions. Contributions can be sent to me at the above address with checks made out to Radio St. Helena Fund – thanks!

On to this month's QSL returns. From Australia verifications were received from 6230 VMC - Charleville and 8113 VMW - Wiluna verified with a full data attachment QSL card from Mike Dalakis who noted that "Due to the large number of requests received, we are now sending QSL cards electronically (as .png files) which is more efficient for us. The recipient can print (in color) and laminate the card, or have it printed on photographic paper, or just keep it in electronic format." Guangxi Foreign Broadcasting Service verified through CRI in Beijing. They included a separate handwritten postcard thanking me for the report and indicting the QSL was enclosed which gave the address of the station as Guangxi Foreign Broadcasting Service, No. 75, Minzu Dadao, Nanning, Guangxi Zhuang Autonomous Region, 530022, China. I sent a report direct to them but I am still waiting for a reply. Another verification was received from Radio Manantial, this time through postal means, with a frequency only letter, no data card that appears to be a contribution form (large and pocket size), and a very nice 5.5 x 3.75 inch colorful hanging wall tile of Huancayo peasants all from Pastor Leoncio Pacho Conce. Finally, Family Radio via Dhabayya verified for a second time with a full data "Three Decades of Faithful Service 1973-2003" card and a package of goodies. Presume this package came as a result of writing to Okeechobee, Florida.

73, Rich

NASWA Flashsheet

Although we are in the midst of spring DX conditions, summer is quickly approaching. Are you getting the latest hot information about what is happening on the shortwave bands? Having the club's electronic *Flashsheet*, now over 320+ issues old, in your hands each week you will be up to date with news and information about the DX scene as the season progresses. If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on timely news and information that will enhance your shortwave listening pleasure. It is now time for you to get on the distribution list for the club's electronic *Flashsheet* to stay up-to-date. The changing DX conditions will bring different DX opportunities and new listening targets. The club's electronic *Flashsheet* helps members stay on top of the action with breaking shortwave news and information. If you are a current member of the club and want to receive the electronic *Flashsheet* just drop **Rich D'Angelo** (rdangelo3@aol.com) a note with your e-mail address, location and membership expiration date from your mailing label. You can participate by sending your latest logs to the electronic *Flashsheet* edited by **Mark Taylor**, markokpik@tds.net. Each week the electronic *Flashsheet* brings a lot of exciting, late breaking DX news and information to our members. The electronic newsletter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news. This is a service that is only available to our members. Deadlines are posted in the *NASWA Flashsheet* each week.

Easy Listening

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

Radio Netherlands' *Network Europe* now a daily program

As mentioned in the April *Journal*, **Radio Netherlands** has been implementing its new programming initiatives in the European Radio Project, now called **Euranet**. **Radio Netherlands** had committed to produce a new, weekday English-language current affairs program as part of its participation in **Euranet**, and the program took flight in April. It's called—surprise! — **Network Europe**. Yep, the same name as the former weekly co-production that a slew of European broadcasters aired in their weekend English language broadcasts.

You won't hear this new weekday edition of **Network Europe** in the early evening shortwave broadcasts **RNW** targets towards North America. The only live radio airing of **Network Europe** is Monday–Friday on 1296 kHz from 15:00–15:30 UTC, but the program is available for streaming, download or podcast at <http://www.radionetherlands.nl/euranet/>. **Network Europe** also airs live in the Radio Netherlands English language web stream at 1500 UTC.

I've sampled a couple editions; the program has a friendly feel, and it seems to be targeting a younger demographic than most traditional current affairs programs. There is generally a short arts / music segment in the program, and the two hosts have a relaxed, conversational banter about them. This results in a more casual-sounding program than is typically the case for programs analogous to **Network Europe**; these analogous programs would be **Europe Today** from the BBC World Service and **Newslink** from Deutsche Welle.

The weekend time slot that used to be given over to the weekly edition of **Network Europe** on Sunday nights (UTC Mondays) now has a special "arts and culture" edition of the program, called **Network Europe**

Extra. This airs Mondays at 0000, 0100 and 0400 to North America.

Also from Radio Netherlands: *Bridges With Africa* and *Media Network*

Bridges With Africa is a new weekly Radio Netherlands program as of the A-08 season that focuses on various Africa-related current affairs matters, emphasizing interactivity and dialogue with listeners. Even though the content is somewhat unique, it still has that distinctive "Radio Netherlands Sound" to it—interesting subjects treated in enough detail to capture and engage the listener. Xxx xxx is host of the program.

Each week's edition covers xxx to xxx stories over a half hour; a recent edition covered such stories as the Netherlands' Africa aid policy, an analysis of Zimbabwean president / dictator Robert Mugabe's life story, and a portrait of Nigerian film maker Tunde Kelani.

Bridges With Africa is in the shortwave broadcast targeting North America on Saturdays at 0027, 0127 and 0427 UTC.

Another new addition to the **RNW** "schedule" is **Media Network**—alas, not as a weekly 30-minute radio program any more, but as an occasional (monthly, more or less) podcast one can subscribe to or directly download when interested. The first edition ran roughly 9 minutes and featured a good discussion on how Radio Netherlands selects transmitter sites and program delivery methods based on the audience it's trying to reach. It was great to hear Andy Sennitt's voice...even though it was on my MP3 player and not my Sony 2010.

Best way to reach the podcast website is to visit <http://www.medianetwork.nl>; that URL will bring you to the web page set up

specifically for Andy's Media Network blog, the podcast, and other related content.

Do keep in mind that the podcast is one of many projects and responsibilities Andy has at Radio Netherlands, so the podcast might not be updated as frequently as Andy (or we) would like, and the update schedule might be a bit irregular. That's the benefit of using podcast software...you don't have to manually check the website every day for new content...your software does that for you.

Want to *Talk To America*? Not by the radio any more...

Sometimes *ye editor* misses some interesting developments in programming. For example, one of the longtime staples of **Voice of America** English language programming has been *Talk To America*. This was a week-day listener phone-in (and "e-mail-in") where some sort of notable guest would be interviewed by the program's host and would then take listener questions. A yearly tradition relevant for shortwave hobby enthusiasts was Kim Elliott's annual "take-over" of the show on December 31st—Kim would chat with prominent broadcasting colleagues and would also take phone calls from listeners around the globe. I've been privileged to participate in a few of these over the years. Kim also had a brief tenure as a monthly host of "TTA" in recent years discussing shortwave broadcasting topics.

I happened to be browsing the VOA website in May and noted that *Talk To America* no longer appears on the VOA program schedule; the program has morphed into an online web chat and is now regarded as "T2A" on the VOA website. While I have nothing against web chats as a way for broadcasters to interact with listeners as a supplement to a radio program, I believe the loss of the radio program destroys much of the attractiveness of T2A; by comparison, the BBC World Service *World Have Your Say* program maintains a daily radio program in addition to maintaining a blog site. For what it's worth, *World Have Your Say*

airs weekdays at 1806 on the BBC's Africa shortwave services; the live web stream airs at 1706 UT.

Turns out that this isn't exactly "news", either—the last radio edition of *Talk To America* aired on July 5th, 2007. Lest we complain that this was yet again another heavy-handed move by an international broadcaster to yank a program when there was a loyal shortwave audience still listening, the VOA indicated that audience interest in the call-in format had fallen off, with the number of calls and the diversity of callers both deteriorating in TTA's final months.

Why doesn't RFI's programming get more respect?

Radio France Internationale was one of the first major international broadcasters to deemphasize broadcasts specifically targeting North America; it has been close to 15 years (maybe more) since 9790 and 9800 kHz were strong and steady into North America during the evenings, with a blend of French, English, and bilingual programming.

In recent years we in North America have had to rely on services targeting Africa that used frequencies that also reached us.

Meanwhile, RFI has embraced Internet technologies and has long had its programming available for on-demand streaming as well as downloading, and the combination of on-demand and live web streaming is probably the easiest way for us to reliably listen to RFI in English.

RFI has recently reorganized its website, and launched a new URL—<http://rfienglish.com>—that takes you directly to its English language content. You can still get there from <http://rfi.fr> if you prefer. One of the additions to the website is the capability to listen to individual stories and features—note especially the item called *Feature of the Day*, which leads to you to the long-form feature program that's an RFI

strong point. There is actually a helpful web page where all of RFI's feature programs are listed—along the left side of any RFI web page, click on the link labeled <Features> to get there.

The current list of features includes the following: *Rendezvous*, a program on French culture and history that I believe airs on Thursdays; *Crossroads*, a program focusing on the arts airing Tuesdays; *Voices*, an extended interview with a thought leader, airing on Fridays; *French Lesson* with its own extensive archive material I mentioned in an earlier column, available at the link labeled <Learn French> on the left side of the web page; the long-standing listener contact program *Club 9516*, airing Sundays; and *Network Europe*—though with the recent transformation of that program, I am not sure if RFI carries the weekly summary version (*Network Europe Week*) or the arts and culture-centric version, *Network Europe Extra*. In any event, the days of the week shown are tentative and based on when the features are posted to the website; since the website was recently reorganized, not every program has gone through a complete cycle of posting.

RFI will occasionally pre-empt the scheduled features for other features and topics; recently, RFI carried a daily feature from the Cannes film festival hosted by David Page with live interviews from various participants in the festival.

RFI consistently produces high quality programming, with obvious care taken to produce programs that sound interesting and professional. It's a shame it isn't easier to hear via shortwave, because I believe we'd see much more written about their programming in hobby publications and on hobby websites. I'll admit that I don't listen to RFI as often as I'd like, but each time I do, I tell myself they're worth more attention than I normally give them.

The first place to start on shortwave is likely the 1600 UT one-hour broadcast on 15605 kHz. The others—earlier in the UTC

day—appear to be on frequencies that might not make it to North America, though I have heard the 0400 UTC (currently 9805 kHz) and 1200 UTC (17800 kHz) on expeditions in the past.

Folks who listen to international broadcasters primarily via live webcast on WiFi Internet radios should check out the RFI Live stream; I believe the stream called "Multi 1" carries English programming part of the time, but I am not sure of the times of day for that.

BBC World Service programming highlights for June

Mondays, beginning June 16th: *Race and Reconciliation* is a three-part *Monday Documentary* that looks at the extent to which race still plays a part in everyday life in South Africa. Fourteen years after liberation and 60 years since the start of apartheid, Audrey Brown asks if issues of race and reconciliation can co-exist comfortably and racism ever be truly eradicated in South Africa. The *Monday Documentary* airs on shortwave to West Africa on Mondays, naturally, at 1406, and 2106, with a bonus airing Sundays 1306. Webcast listeners can hear the *Monday Documentary* on Mondays at 0906, 1206, 1906, and 2306, with bonus airings Saturdays at 0906 and 1806.

Wednesdays beginning June 4th: *The Age of Terror* explores four significant militant attacks of the last 30 years in this four-part series. Combining interviews with the people involved and archive material, each program in the series analyzes an event which has influenced our world, politics, psychology and culture. The events include the 1976 El Al plane hijack, the "Ten Days of Terror" in Northern Ireland in 1987, the 1994 Air France plane hijacking in Algiers, and the truck bomb explosion outside the American embassy in Nairobi in 1998, which brought Osama bin Laden and Al Qaeda on to the world's collective consciousness. West Africa shortwave airings that should reach Eastern North America include Wednesdays

1406 and 2106. Webcast listeners can tune in (in a manner of speaking) Wednesdays 0906, 1206, 1906, and 2306, with bonus airings Sundays 0906 and 1706.

Fridays, beginning June 27th: The *Friday Documentary* airs a two-part series titled *Health for All—Fact or Fiction?* focusing on the United Nations' Millennium Development goals. Four of the eight UN Millennium Development Goals are directly about health. Their target is to improve maternal health, reduce child deaths by two-thirds, halt the spread of killer diseases such as AIDS, TB and malaria, and provide clean water within the next seven years. However, these goals, designed to improve standards of health across the globe, seem unlikely to be met by 2015. In some places, mainly in sub-Saharan Africa, conditions have worsened in the past 10 years. The *Friday Documentary* airs on shortwave to West Africa at times that should propagate to Eastern North America of 1406 and 2106 on Fridays, plus Saturdays 1306. Webcast listeners can catch the *Friday Documentary* Fridays at 0906, 1206, 1906, and 2306, with a bonus repeat Saturdays 1306.

Weekends, 0200-0230, 0500-0600, 0600-0630 and 0700-0800 UT, you can hear *The World Today*, which the BBC regards as one of the key programs in its portfolio. This isn't new, of course, but the reason I mention it is that the BBCWS has recently altered the tone of the weekend editions of *The World Today* to a more casual tone. Fewer stories are covered, and they're covered in

greater depth than during the week. Also, two or three "guests" join the program host, typically with expertise that is appropriate for one of the major stories. These guests, however, are occasionally engaged in conversation regarding other stories during the program, which so far has resulted in some occasionally odd conversations about subjects that the guests might have an opinion about, but might not be expert about. Listen for yourself...let me know if the program strikes you the same way, or if I am being unduly harsh.

So where should the Easy Listening column be heading?


With WiFi radios, podcasts, MP3s, and other program delivery technologies crowding out shortwave delivery—especially for "Easy Listening" types of broadcasters targeting North America—what do you want to see covered here in the *Easy Listening* column? Now's your change to chart the course of history - drop me a note and tell me what is of interest to you. My thinking is that some of what Tom Sundstrom has reported on in *Net Notes*—when it deals with broadcasters and their radio content—will be covered here, but I am open to suggestions. I might turn around and ask for your help—especially if it involves a broadcaster that I don't regularly report on.

In any event, here's to good listening!

73 DE Richard



WWW Shortwave Listening Guide

Looking for programs to listen to? You can find what programs are on for the current hour or list programs of a desired type on a given day at the **www Shortwave Listening Guide** on NASweb. Visit the Guide at <http://www.naswa.net/swlguide/>. 

Shortwave Center

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NASWA: The Early Years

A Look at February and May 1963

By Richard A. D'Angelo

If you are a fan of the "25 Years Ago" column that is part of NASWA Notes every month, you will probably enjoy this look back feature at two specific months in club history. If the "25 Years Ago" column is your least favorite piece of the Journal, you might want to see what else Shortwave Center has to offer this month, hi!

Recently, long time member and Winter SWL Festival attendee Errol Urbelis and I were discussing vintage issues of the club bulletin at the FEST. After returning home from the FESTivities, Errol unearthed two copies from 1963 - February and May - and sent them along to me. I first joined the club when it transitioned from all wave to all shortwave broadcast back in August 1966. My collection from that time forward is comprehensive but somewhat spotty prior to that date. Thanks to Errol I have been able to plug two specific collection needs. I find the club's history, particularly the early years, fascinating. If you share this interest, then the following summary of what took place in the pages of the club bulletin with emphasis on some of the names that were active in those days will be of interest.

The monthly bulletin itself was mimeograph on 8 1/2 x 11 inch paper. The front page had the club name in big, bold red letters with a map of North America. At this point in the club's history, the monthly bulletin did not have a name. However, it appeared that one was about to be selected from a contest being held to name the club's bulletin.

February 1963

Volume II, No. 4 was 26 pages. The club bulletin did not have a name at this point. The

front page listed Richard D. Roll as President with club headquarters at 265 Stillwell Road in Hamburg, New York. The front page editorial by Bill Eddings talked about a recent CDXC and NASA inter-club contest in which NASA was "soundly trounced." Bill talked about how competitions can help our clubs and the hobby in friendly rivalry not seeking worldly gains but for "Unity and Friendship." The club was offering its own QSL card for card swappers at 100 cards for \$2.20. The awards program was temporarily out of ham-band awards. A club rubber stamp was available for \$0.89. Club dues were \$2.50 for residents of North American and \$3.00 for residents of other parts of the world. Sample copies were available for \$0.10. Bulletins were mailed by 3rd class mail.

NASA Newsroom, edited by Ron Luyster and Rich Derrickson, featured "Fabulous Little Oscar" a story about satellites. Bill Eddings contributed a feature about "Atlantic Missile Range Communications." Friendship Corner - edited by Bill Eddings - featured a list of club members interested in card swapping as well as updates on tape swapping and tape tips. Richard Orcutt edited the Short Wave Section. He reminded members about the NASA SWBC Award for QSLs from 50 SWBC countries. Some of the logs included: 4600 Radio Atalaya in Ecuador, 4780 Onda Musical in Dominican Republic, 4843 Radio Congo, 4972 Radio Yaounde in Cameroon, 6035 Radio Centro in Honduras, 9498 Windward Islands Broadcasting Service, and 9770 4VEH in Haiti. The reporters for this month's column were Errol Urbelis, John Ball, Lavoyd Kuney and editor Rich Orcutt. Closing the column, Rich mentioned that the club had 90 members but only 3 to 4 reports for his section.

Lavoyd Kuney edited the Ham Band Section which featured news tidbits and reports (logs and QSLs). The Medium Wave Section

was edited by John T. Arthur with Steve Raiche as Assistant Editor. MW Extra featured a story about WENE on 1430 kc from Endicott, NY. John reminded members to participate in the MW Contest. The MW Scoreboard featured Raiche with 540 heard and 210 verified at the top followed by Arthur (462/50) and Derrickson (110/2). The final column was Tech Trails edited by Bill Zielinski who discussed power supplies.

May 1963

Volume II, No. 8 was 24 pages. The club bulletin still did not have a name at this point. Bill Eddings was the Executive Editor with headquarters now at 1521 Fifth Avenue in Altoona, Pennsylvania. Richard D. Roll was now listed as Bulletin Publisher. The front page featured new members (Nos. 126 through 134) and a brief comment from Bill Eddings about mutual trust. Headquarters announced the termination of Bill Zielinski as editor of Tech Trails due to his rough time meeting monthly deadlines. Bill noted that club member Dave Hailey was drafted. Ron Luyster was appointed medium wave editor for ASWLC. Dues were \$2.50 in North America and \$3.50 in all other parts of the world.

In the Editor's Corner, Bill Eddings explained "what is meant by the motto 'Unity and Friendship'." This month focused on Part 1 of the word Unity with Part 2 of the word Unity scheduled for the following month. The winner of the "Name the Bulletin" contest was scheduled to be announced next month.

Robert Newhart was the editor of the Shortwave Report column. The column featured not only by frequency listings but an index by country and an index by time. Some of the loggings highlights included: 2450 4VEH in Haiti, 4930 Radio Ecuatorial in Bata, 6015 new frequency for WRUL, 7245 reported as new frequency for Saigon, 9405 Radio Caribe, 11815 Djakarta with English news, 11880 Radio Americas with 1730 opening in Spanish, and 17998 Ghana opening at 1545. Reporters for the month included Arthur, Hailey, Knowlton, and Newhart. An Arabic

language reception report form was included in the column. The Shortwave section concluded with a Don Jensen feature entitled "Looking Back."

And so ends another trip down memory lane. If you remember these days why not send in a musing to share with other members.

The Friendship Corner was edited by Warren Anderson ("Card Swaps") and Dave Alessi ("Reel Ramblings"). Column contributors included Bill Eddings, Jim Creek, Dave Alessi, Neal Gregory, Larry Marshall, Frank Lendziosek and Errol Urbelis. Dave Alessi addressed taping issues. He noted that NASA'ers John Ball and Bill Eddings collaborated on an article for the new edition of How to Listen to the World. The article dealt with recording DX catches. The Ham Band Section was edited by Lavoyd Kunev and featured a contest in May. Ron Luyster continued as editor of the NASA Newsroom with assistant editor Richard Derrickson. Ron wrote Part 1 of "Understanding What You Hear" with Part 2 addressing commercial stations scheduled for next month. In Around the Clubs, it was noted that the American Shortwave Listeners Club was the first bulletin to reproduce photos in its monthly bulletin, ASWLC. The Medium Wave column, edited by Steve Raiche, featured WDEL 1150 kc from Wilmington, Delaware. Contributors included Chuck Radar, Dave Knowlton, Joe Fela, Larry Marshall, Harvey Young, Dick Little, Gene Molter, Bob Newhart and Steve Raiche.

And so ends another trip down memory lane. If you remember these days why not send in a musing to share with other members. Errol has promised me that he will look for other bulletins from this era which he has somewhere in his vast archives. When he does, I am sure that the urge to chronicle the early days will still be with me.

Domestic Broadcasting Survey

10th Edition, April 2008

Edited by Anker Petersen

ISSN 1399-8218

Reviewed by Richard A. D'Angelo

Finding useful, current, accurate DX references in the electronic world isn't as easy as it should be. There are numerous providers of radio broadcasting information in the marketplace today, many of them offered for free, but a lot of them are not of a high quality. The latest Domestic Broadcasting Survey 10 (DBS-10), once again edited by Denmark's world-renowned DXer Anker Petersen, is one resource that continues not to disappoint the shortwave enthusiast. Published in April by the Danish Shortwave Club International (DSWCI), the DBS continues to be the top annual publication devoted to tropical and domestic band shortwave broadcasting stations. Along with its monthly updated graphical companion, the Tropical Band Monitor (TBM), the combination of these two DX references is unbeatable in quality and value. The DSWCI offers the DBS in electronic form (PDF format), which provides for a substantial reduction in price over a paper version thereby increasing its value and speed of delivery. Either way you will be receiving and using an important DX resource produced by an international array of top shelf DXers that will prove its worth to you time after time.

As in past years, a copy of the Press Release can be found on the DSWCI website at www.dswci.org. By clicking on the Domestic Band Survey, you will see the color front page of "Shortwave is Great!" stated by local guide Tom (left) and reggae singer Homer who is DJ at Irie FM, at Anker's impromptu radio shack on the beach of Oracabessa, Jamaica. The photo, which was taken by Petersen during his world travels, and a sample listings from this year's DBS along with reviews from last year's edition are also part of the press package. Anker's cover photo's for the DBS continue to provide the local flavor associated with a domestic listening market.

The DSWCI turned fifty-one years old this year. It has a worldwide membership of experienced shortwave listeners scattered in 33 different countries all over the globe. Anker draws upon the knowledge and skills of the DSWCI's international array of top-flight DXers to produce a unique and extremely valuable hobby resource. In addition to the club's extensive monitoring activity, the new survey is also based upon many official sources and DX bulletins with A08 schedules included when available. Over the years, the DSWCI has published some of the best non-commercial hobby references available to the shortwave listener. The electronic DBS-10 continues this grand tradition. It is an essential reference for serious shortwave listeners and DXers.

This is the tenth year that the DSWCI has incorporated its invaluable tropical band survey into a broader national survey that includes all domestic shortwave broadcasting. The old Tropical Band Survey (TBS) portion of this publication, which has been tops in the field of shortwave broadcast lists for many years, is in its 36th year. Because most of its members devote most of their DXing time to domestic broadcasting stations on the tropical and international shortwave bands, many years ago the DSWCI decided to expand the traditional tropical band survey to include stations broadcasting to a domestic audience on the international bands. Consequently, the DSWCI now publishes a superb, comprehensive reference of domestic shortwave broadcasting throughout the shortwave spectrum. The DBS-10 covers all active stations broadcasting to a domestic audience between the frequencies of 2,300 kHz to 30,000 kHz. Part 1 is the 36th edition of Tropical Band Survey covering all active broadcasting stations in the 2,300 to 5,700 kHz range. Part 2 covers the domestic stations on the international bands above 5,700 kHz broadcasting to a national radio audience. Part 3 continues to include active clandestine broadcasting stations with schedules and identifications that enhance the value of the DBS-10 to

the serious shortwave radio monitor. Part 4 contains deleted frequencies between 2 and 30 MHz, which have not been reported heard during the last five years, but may reappear at some future point in time.

A valuable, unique feature of the DBS-10 is the right hand column called Last Log. This column shows the last month and year prior to the April 15th deadline when a particular station was reported logged by a DXer somewhere in the world. This gives the listener a reasonable indication of the audibility of the shortwave broadcasting station. As part of the updating process, most frequencies that have not been heard in the last year have been deleted from the list and moved to a section at the end of the survey, Part 4 as discussed above, for stations deleted since July 2002. This updating procedure makes the DBS current and very user friendly. My own personal monitoring and checking confirms that the 2008 edition of the Domestic Broadcasting Survey continues the tradition of providing very accurate and extremely useful information for the DXer. Consequently, it makes an extremely valuable addition to the DX shack where published radio resources are necessary in pursuit of elusive DX station catches.

To assure reliability, each of the 1,050 station frequencies has been confirmed on the air by the club's extensive collection of worldwide monitoring experts since the last publication through the April 15th deadline closing date. Stations confirmed as being active is marked with an "A" (regular), or "B" (irregular), or "C" (sporadic) in the list. A "D" means the stations is likely inactive. This simple coding system provides valuable information when tuning the bands while trying to get a handle on rare, exotic DX catches. As a result of extensive monitoring, most of the frequencies already have been confirmed as being active in 2008.

The previously mentioned Tropical Bands Monitor feature was added three years ago as a monthly updater to the DBS. Its introduction provided a readily available electronic update of broadcasting stations below 5,700 kHz using a graphical presentation format. It has been a big success making

the DBS/TBM combination extremely valuable. This website based feature, which is updated each month, helps to keep the DBS-10 current. I download the latest version each month, it is usually available 3 or 4 days after the close of the previous month, and use it as a ready guide to what is being heard around the world on the domestic frequencies. This service alone is worth more than the price of the DBS itself. I can't over emphasize the value the TBM adds to the DBS. Together they form an indispensable package of DX reference sources. DSWCI members also receive periodic updates issued in the *Shortwave News* bulletin published by the club and through its electronic *DX Window*. These extra services keep the domestic band survey accurate and up-to-date. Details about becoming a DSWCI member are available at the club website. The electronic, pdf-format, club membership option substantially reduces the cost of being a member by reducing the printing and postage costs. Because of the club's strong DX culture and its array of international DXers, membership in the DSWCI is well worth the annual dues.

The Domestic Broadcasting Survey and Tropical Band Monitor are high quality shortwave broadcast DX resources made available at a very reasonable price. The combination of high quality and low price make the DBS and TBM unbeatable in today's global resource reference marketplace. If you listen to domestic broadcasters, the DBS-10, and the monthly updates through the TBM, is a "must have" while tuning the bands. This is the first resource I pack when attending French Creek DXpeditions. I can't imagine DXing the shortwave bands without a copy of the Domestic Band Survey and the latest graphical update of the Tropical Band Monitor at my side.

How easy is the Domestic Broadcasting Survey to use? Simple, the DBS-10 is very straightforward and easy to use. The first column provides the reception code, A, B, or C as previously described. The second column lists the frequency. The third column provides the station transmitter output. The fourth column designates the broadcasting country utilizing the International Tele-

communications Union (ITU) country code abbreviations. For those not familiar with these abbreviations, a complete list of ITU country codes is given on page 3 of the DBS. The fifth column provides the station name and/or call letters and location. The next column provides transmission times and other useful information about the station such as operating schedules during Ramadan for Middle East and Indonesian stations. Other useful features for easy station identification are the parallel frequencies and station ID sentences. The final column is the Last Log feature previously described. Also, the survey includes a listing of Indonesian provinces and special districts, which is extremely useful for DXers with an interest in that part of shortwave broadcasting world. As the sunspot numbers slowly move up, I expect to be tuning more Indonesian stations during our upcoming DX season. See the sample extracts from the DBS at the end of this review.

The 36-page A-4 size Domestic Broadcasting Survey is available in electronic form in pdf-format of about 175 KB. The electronic DBS-10 is available via e-mail for only US\$9.00, EUR 5, or 5 International Reply Coupons ("IRCs"). The limited print edition is available for only US\$17.00, EUR 11, or 9 IRCs. The DBS-10 can be ordered direct from the club treasurer at the following address:

DSWCI
c/o Bent Nielsen
Egekrogen 14
DK-3500 Vaerloese
Denmark

The 2008 edition of the Domestic Broadcasting Survey continues the excellent tradition of being a very useful and reliable DXing resource that should be in the radio shack of every active shortwave monitor. I use the DBS on a regular basis while tuning the shortwave bands. I can't imagine DXing without this at my side especially while on DXpeditions. While some enjoy operating a computer while tuning the bands, I print out a hardcopy to use thereby eliminating an electronic device from the radio shack while listening. During French Creek DXpeditions, my copy of the domestic Broadcasting Survey is in constant use! The pdf-format DBS is incredibly inexpensive and extremely useful. The monthly update to the Tropical Band Monitor keeps things current. At only US\$9.00, the electronic Domestic Broadcasting Survey continues to be the "best buy" of any hobby resource on the market today. You must have the new DBS, which is an outstanding piece of DX hobby research. This is a "must have" for every DX radio shack and I can highly recommend its purchase so order a copy to enhance your DXing sessions.

Samples from Domestic Broadcasting Survey 10

A	3325	10	INS	RRI Palangkaraya, KC	RRI Cabang Muda: 2200(Ramadan 1855)-0200 0800-1600v Bahasa Indonesia
MAR08					
B	3325	5	PNG	R Bougainville, Kuba, Buka Island	Kundu (Provincial) Service from Kieta Studio: 0730-1203v Tok Pisin, ID: "Maus bilong Sunkamap", "R North Solomons". NBC E nx 1000. Some days relays Port Moresby 1200-1245v*, alt. fq 5985
MAR08					
A	3329,6	5	PRU		R Ondas del Huallaga, Huánuco
1000v-0330v S, n 3330					
B	3335	5	PNG	R East Sepik, Wewak	Kundu (Provincial) Sce: 1900v-2100v 0730-1200v Tok Pisin, ID: "Nek bilong Sepik", 1100 E nx. Mostly relays NBC 4890. Poor audio
MAR08					
B	3340	2.5	HND	HRMI, La Voz de Misiones Internacionales, Comayagüela	24 h S/E rlg, ID: "Radio MI", "Radio Misiones Internacionales", "La Voz de Misiones", also E ID: "HRMI", "IMF World Missions"
APROB					
A	3345	100	AFS	Channel Africa, Meyerton	FS: 0300-0500 2000-2200 E, 1900-2000 P
APROB					
A	3345	100	AFS	AWR, via Meyerton	1800-1830v E to Zimbabwe // 3215
MAR08					
B	3345	10	INS	RRI Ternate, MN	RRI Cabang Muda: 2000v(Ramadan 1800)-0100(Su 2330) 0800-1500

C	3345	10	PNG	R Northern, Popondetta	Bahasa Indonesia, d- 3344,8 Kundu (Provincial) Sce: 0700-1200 E, Tok Pisin & Vn, ID : "Voice of Oro". Only occasional broadcasts due to low funding	MAR08 APR08
A	3350	100	CTR	R Exterior España, Cariari de Pococi	FS: 0200-0600 S // 6125 9630	APR08
C	4111,6	0,5	BOL	FM, ID: "Radio Virgen de los Potosi	R Virgen de Remedios, Tupiza, 1000-1100 2100-0100 S catholic px // Remedios, onda corta y FM, la voz católica en su casa, con la cadena Radio Católica Mundial", ex 4545	APR08
B	4220	50	CHN	Qinghai PBS, Xining, Qinghai	2250-1600 Tibetan (Amdo dialect) // 5990 9850, incl. CNR8: 0800-0900 Tibetan	MAR08
A	4319	3	DGA	AFRTS feeder, Diego Garcia	1400v-0200v E (USB), ck 12759 (USB)	APR08
A	4330	100	CHN	Xinjiang PBS, Urumqi, Xinjiang	Nov-Apr: 0000-0300 1156-1800 Kazakh // 6015, ID: "Sinkiang khale radyo stanshata", incl. CNR 8 MS: 1400-1500, (= 7340)	APR08
C	4405	200	KRE	Voice of Korea, Pyongyang	FS: 0700-0355 Various languages to Asia	MAR08
A	4409,8	0,5	BOL	"Radio Reyes" APR08	R Eco, Reyes, Beni, Ballivián 1100-1700 2230-0200 S/Vn, also ID:	APR08
B	4450	100	KRE	KCBS, Pyongyang	1400-1700 Korean // 2850 (ID)	FEB08
A	4451	1	BOL	R Santa Ana, Santa Ana del Yacuma, Beni	1000-1700 1930-2400v S, n 4805, ex 4650,1	APR08
B	6130	25	LAO	R Nationale Lao, Vientiane	National Sce: 2156-0430 0740-1600 Lao, ck 4678	APR08
A	6134,8	10	BOL	matches) S/Aymara, sl: "La mas Sierra	R Santa Cruz, Santa Cruz de la importante emisora del oriente boliviano", "Radio Cadena Deportiva, Santa Cruz"	APR08
A	6135	25	B	R Aparecida, Aparecida, SP	[Oct-Feb] 0800-0300v P rlg // 9630 11855, ck 5035	APR08
C	6135	30	MDG	R Nasionaly Malagasy, Ambohidrano	0500-1500 F/Malgache, ck 3287,7 5010 7105 9689	AUG07
B	6135	50	YEM	-2210v as alt. to 6005.	Rep. of Yemen R, San'a 0300-1500 A // 9780, ck 6005(ID), some days	JAN08
A	6140	100	D	R Mecklenburg-Vorpommern	Extended programme during Ramadan First Su of the month: 1300-1400 G/E, ex 5965 (MV) Baltic R, via Wertachtal	APR08
Category 4: Covert broadcasts by opposition groups via own or local transmitters.						
A	3880	-	IRN	Voice of Iranian Revolution, possibly via Northern Iraq	1430-1530 (v-1600) Kurdish, ID: "Erê Dengê Sorsî Kurdistanê Irana" I/S: Theme from "Schcherazada" by Rimsky-Korsakoff followed by "The Internationale". Produced by the Kurdish Communist Party of Iran (Komalah) // 4366v, jammed.	APR08
A	3880	-	IRN	Voice of the Communist Party of Iran, possibly via No. Iraq	1630-1750v Farsi // 4366v, ID: "In Sedaye Hezb-e Komonist-e Iran" I/S: Theme from "Schcherazada" by Rimsky-Korsakoff, followed by "The Internationale". Produced by the Kurdish Communist Party of Iran (Komalah), jammed	APR08
A	3930	-	IRN	R Voice of Kurdistan, No. Iraq	1430-1530 (v-1600) Kurdish // 3880 (ID + details), jammed possibly via Northern Iraq	APR08
A	4366	-	IRN	Voice of Iranian Revolution,	Kurdish, ID: "Era Radyo Dengî Kurdistanê", 0400-0430 Farsi, ID: "Im Radyo Sedaye Kordestane". Produced by the Kurdistan Democratic Party of Iran, Sweden, d 3910-3940. Jammed	MAR08
A	4366	-	IRN	Voice of the Communist Party of Iran possibly via No. Iraq	1430-1530 (v-1600) Kurdish // 3880 (ID + details), jammed possibly via Northern Iraq	APR08
D	4675	-	IRN	Voice of Free Kurdistan	0400v-0530v Sorani (Iranian) Kurdish, ID: "Dengi Azadi Kurdistan", d- 4670	DEC07

The Story Behind the Front Page Of the 2008 Domestic Broadcasting Survey

By Anker Petersen

Back in January 1994, I spent two weeks of holidays at a remote beach hotel in the village of Oracabessa on the central coast of Northern Jamaica. On my first day I took a walk through the fishing village. Besides seeing many other unusual things, I met a guy on a bicycle holding a live crab in his hand, just being caught. His name was Tom. He asked me, if I would like to eat this crab after being cooked, for lunch at a local restaurant! I could always have lunch at my hotel on other days, so I accepted.

I told Tom and Homer about my DX hobby and one day I demonstrated to them what could be heard on shortwave on my portable SONY ICF-SW77. They were impressed and stated "Shortwave is Great"

After a local beer, I looked for the "restaurant" which I never would have found, if Tom had not been calling at me when passing. It was a tiny kiosk owned by a black woman. In a round side building of bamboo with a total diameter of 4 meters was the "restaurant" from where you could watch the traffic on the street through the wall of bamboo! The crab was cooking in her kitchen behind the kiosk: An outdoor cooking pot on open fire with fresh water taken from a tube in the rock! While the crab cooked, Tom introduced himself as a

tourist guide and offered me to see this part of Jamaica which I accepted. The dish was simple, but delicious and fresh. The following days Tom showed me many interesting and beautiful places in the local area and the nearby city Ocho Rios, including the local entertainment: cockfighting. We also went by private car to the Blue Mountains and to the birthplace in Kingston of the famous Reggae singer Bob Marley.

One day Tom invited me on a tour in a rowing boat along the coast. I then met the rower who was called Homer - maybe named after the ancient Greek philosopher Homer? During our sailing I pointed out an antenna mast on a hilltop and asked Homer, if he knew which station that was? He answered: "That is my radio station!!!" The surprising fact was that he worked as Reggae DJ at the local radio station "Irie FM" which broadcasts Reggae music 24 hours a day. I expressed interest in visiting the station and Tom organized a guided tour through the station a few days later. Can you imagine a discothèque filled exclusively with Reggae music?

One day Homer asked me: "Do you want me to record a Reggae song for you?" I agreed and we went to a primitive studio in Ocho Rios with egg trays on all walls. There Homer and a local friend sang an improvised, modern Reggae song about my visit to Jamaica and added three more, traditional Reggae songs! This vinyl record was cut in one copy only and is a unique souvenir from my Jamaica tour back here in Skovlunde.

I told Tom and Homer about my DX hobby and one day I demonstrated to them what could be heard on shortwave on my portable SONY ICF-SW77. They were impressed and stated "Shortwave is Great" after I had shown good reception from my home country - Radio Denmark which then still was audible worldwide on shortwave. That was the story behind front page of the 2008 Domestic Broadcasting Survey.

Kim's Column

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<http://www.kimandrewelliott.com>

This column, with links, is available at this URL publicized only to NASWA members: <http://kimelli.nfshost.com/index.php?id=4074>

Promoting democracy without that pesky "diversity of opinion"

U.S. Senator Tom Coburn, M.D., uses "M.D." as a title more than "Senator." So it's not surprising that he subscribes to the hypodermic theory of communication. Also known as the bullet theory, this view of the communication basically holds that by sending message A to audience B, the desired effects will accrue. If this were true, those of us who listened to Radio Moscow during the Cold Wars would be communists now.

Senator Coburn has been critical of U.S. broadcasts to Iran. In April, he wrote to national security advisor Stephen Hadley: "The U.S. taxpayers should not subsidize content presenting a balance between the truth and the regime's malicious propaganda. U.S. broadcasts should be the balance to the propaganda being broadcast by the regime and others." In other words, U.S. international broadcasting should be all pro-U.S., all anti-Tehran-regime, sort of like Radio Moscow in reverse.

The senator also wrote that members of the Broadcasting Board of Governors (the topmost authority of U.S. international broadcasting) lack accountability because they "report to no one, not even to each other." He recommends three people with views similar to his for appointment to the Board. This won't happen, because the International Broadcasting Act of 1994 created the bipartisan BBG, giving its members fixed and staggered terms, *precisely* to prevent to the type of interference in the content of U.S. international broadcasting now being attempted by Senator Coburn.

The senator is so unhappy with U.S. international broadcasting that he has placed a

hold on the confirmation of James K. Glassman, now chairman of the BBG, to succeed Karen Hughes as under secretary of State for public diplomacy.

"We have nothing if we have no credibility"

Mr. Glassman had been keeping quiet during his conformation process, but he finally spoke out at the Heritage Foundation on May 15. He did not specifically name Senator Coburn, but he obviously addressed the senator's criticisms. "We tell the truth, even if the truth might appear harmful to U.S. interests in the short run. Often we hear from critics, 'Why are U.S. taxpayers paying for reports of bad news about America?' First, Congress and the president have required us to work as an objective, balanced news organization. Second, our audiences are sophisticated, and we have nothing if we have no credibility."

Mr. Glassman was a bit fuzzy on the concept of international broadcasting when he came on board as BBG chairman in June 2007, but now he seems to know his most important function: that of Junkyard Dog to protect the journalistic integrity of the elements of U.S. international broadcasting against those who would like to manipulate their content.

Coburn's tag team partner: Ileana Ros-Lehtinen

Mr. Glassman's response to Senator Coburn barely ceased to reverberate in the Heritage auditorium when AP reported: "Rep. Ileana Ros-Lehtinen, a Miami Republican and Marti supporter, says [Radio/TV Martí] broadcasts should back the president's positions. 'It is not a 'Let's have all this diversity of thought,' said Ros-Lehtinen, a Cuban-American. 'If we were to have a change in Cuba policy come November, you will see that reflected in the transmissions. The mission is clear: It's to advance our U.S.-Cuba policy.'"

I've been involved in international broadcasting audience research since 1975. The finding from the research that transcends all other findings is that people tune to foreign broadcasts to get news that is more comprehensive, reliable, and objective than the news they get from their (usually state controlled) domestic media. They are not looking for propaganda from abroad to counter the propaganda they get at home.

Russia Today may also have a problem with balance

On May 18, the *New York Times* looked at the new Russian international television channel Russia Today. The article quoted Carson Scott, a former Russia Today business news presenter: "You are understandably walking a very fine line of being full and frank and biting the hand that feeds. I had countless heated editorial debates with my editor, frankly speaking. I was very vocal. 'We have to give the other side of the argument. We have to be balanced.' And oftentimes eyes just glazed over."

So Russia Today is not quite the objective, detached news service. I watch it often via MHz Networks in Washington. It's not perfect, but often interesting, and much, much better than the old Radio Moscow of the Brezhnev years.

BBC Arabic TV: not subcontracted public diplomacy

Now that the BBC's Arabic television channel has been on the air for a couple of months, it's time for some substantial reviews of its performance. BBC Arabic television is certainly poised to be competitive with the likes of Aljazeera and Alarabiya, given the BBC's reputation and newsgathering capabilities in the Arab world.

A very substantial review appears in the May 2008 issue of *Arab Media & Society*. Najm Jarrah, a London-based Arab journalist, writes: "Given the UK's close identification with U.S. policy in the Middle East and the acknowledged failure of Washington's attempt to penetrate the world of Arab

satellite TV, it inevitably looked to many in the Arab world that BBC Arabic TV was conceived as a substitute for Al Hurra: a subcontracting of the public diplomacy side of the War on Terror to the more sophisticated Brits.... Suspicious viewers listening out for a consistent political slant on the news or expecting a British government agenda to filter through the coverage will have been hard-pressed to detect either."

A mostly positive review, but not uncritical. Mr. Jarrah thoughtfully looks into the factors that really count in international broadcasting. As such, I recommend you read this, and other papers in the same issue of *Arab Media & Society*.

International television heaven

We of the North American Shortwave Association, if we want to continue to receive news and entertainment from faraway places, must make use of newer media to compensate for the dwindling offerings on shortwave. This includes the new batch of international television channels, such as Russia Today and BBC Arabic TV mentioned above.

Most likely, however, your local cable television service does not offer BBC America, Aljazeera English, France 24, Russia Today, DW-TV, etc. So you have to search for live streams of these on the internet. This can be a clunky proposition.

A new website, www.LiveNewsCameras.com, provides mostly reports and webcams from U.S. domestic television stations. However, its World section is a one-stop shop for many international television channels: CCTV9, France 24 (in English, French, and Arabic), BBC World, Pakistan's Dawn TV, the Pentagon Channel, Iran's Press TV, RAINews 24 (in Italian), Ireland's RTÉ.ie, Sky Italy, Sky UK, Aljazeera (Arabic), NHK-TV, Russia Today, and Sky Australia. On my PC, it works better with Internet Explorer than with Firefox. Aljazeera English, EuroNews, and CNN International would be useful additions to this site.

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



Listener's Notebook

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

ANGOLA *Radio Nacional de Angola* external services A08:

2000-2100 French 7217

2100-2200 English 7217

(WRTH 2008 supplement)

ARGENTINA *RAE Radiodifusion Argentina al Exterior*, has these new times:

0100-0200 Japanese 11710 (ex 1100-1200).

1100-1200 Portuguese 11710 (ex 0100-0200)

The other times for these languages are unchanged. (Barrera, Argentina/DSWCI DX-Window)

AUSTRALIA 2368.5 *Radio Symban*: This has now been confirmed as the one. Initially we were hearing a test broadcast which explains the lack of announcements, and the transmitter was only fired up about 4 hours before I caught it at 0945 on Saturday, May 17. Programming now includes IDs and ads. It has been confirmed that it is running 1000 watts into a 20 m.-high antenna at Peats Ridge, about 60 km. north of Sydney. Reception reports will currently be verified via e-mail only to symban @ radiosymban.com.au and the subject line must be "Reception Report." You can include an MP3 file of your reception to aid in confirming. Thanks to John Wright for managing to contact them and get those details. Monitoring with a professional setup someone from the ACMA gives it as running a fraction

low on 2368.465 kHz. (Richard Jary-OZ, ARDXC; DXplorer May 19/WWDXC/BC-DX/TopNews)

BANGLADESH *Bangladesh Betar* new SW frequency schedule:

Home Service

0000-0405 Bengali 4750

0830-1710 Bengali 4750

External Service

1230-1300 GOS 7250

1315-1345 Nepalese 7250

1400-1430 Urdu 7250

1515-1545 Hindi 7250

1600-1630 Arabic 7250

1630-1730 Bengali 7250

1745-1815 VOI 7250

1815-1900 GOS 7250

1915-2000 Bengali 7250

GOS—General Overseas Service (English)

VOI—Voice of Islam (English)

(Alokesh Gupta-India/Cumbre DX)

BELARUS *Belorusskoe Radio*:

0300-2100

6010 Brest 5 kW

6040 Grodno 5 kW

6070 Brest 5 kW

6080 Kolodishche 150 kW

6115 Kolodishche 75 kW

6190 Mogilev 5 kW

7110 Grodno 5 kW

7145 Mogilev 5 kW

0400-0700

11930 Kolodishche 250 kW

1500-1700

7105 Kolodishche 250 kW

(Alexander Mazgo-BLR, RUSdx May 3/WWDXC BC-DX/Top News)

BELGIUM (non) New additional station via TDP—*Addis Dimts Radio*:

1600-1700 Amharic 17875 SAM Su

(DX Mix—Bulgaria)

BOLIVIA 4111 *Radio Virgen de Remedios*, Tupiza, 2258-2315, Apr 19, seems to be from a religious ceremony in Spanish which consists of religious voice and acoustic guitar music alternating male and female talks; started with female singing "Ave Maria," M "bienvenidos y bienvenidas a mas una jornada... a Dios." (Bobrowiec, Brasil/DSWCI DX-Window)

BRAZIL 5990 *Radio Senado*, Brasilia, DF Lucio Haeser in Brasilia talked with a member of Radio Senado, the schedule is: Monday to Friday 1000-2200, Saturday-Sunday 1000-1300. (Cassio-Brasil, May 01). On May 05, Mr. Alexandre Campos from Radio Senado Ondas Curtas, confirmed the transmissions from 1000-2200. From 1000-1300 is Radio Senado Ondas Curtas, from 1300-2200 is a network with Senado FM. The programs on shortwaves are beamed to North, Northeast and West Central Brazil. (Cassio-Brasil/DSWCI DX-Window)

CHINA Greetings from Shanghai,

Monday, May 19 was the start of 3 days of national mourning for the victims of the Wenchuan quake. At 2:30pm local time, everything came to a complete standstill here in Shanghai, with 3 minutes of the sounds of sirens and car horns, in honor of the victims of the quake. All the news media have continuous stories about the quake. Most of the television stations have identical coverage (one exception is CCTV-9, the English language channel).

Radio reception consists mostly of numerous **CNR-1** relays in the SW, AM and FM bands. Have observed **CNR-2/China Business Radio** with 24 hour relaying of **CNR-1**, as heard on the normal **CNR-2/CBR** frequencies: 91.4 FM, 6065, 6155, 7130, etc., on May 17, 18 and 19 during various times. First noticed this when I checked for the regular "English Evening" program from 13-14 UT and found the **CNR-1** relay instead. The **Sichuan PBS** services, broadcasting from the area of the quake, continues to be on 6060, 7225 and the new 9740, heard with a relay of **CNR-1** from about 1200-1232 UT. At other times they are mostly all parallel, but on May 19 noted 9740 was not parallel to anything, so assume they actually had **Sichuan PBS-1** programming at 1105. 6200 continues to relay **CNR-1** for 24 hours a day. Of course I hear some stations with their own programming: on 4830, **CHBC** at*1200 on May 19 and 4900 // 4040 with **VOS** at 1241 on May 19.

Would seem logical that is massive relaying of **CNR-1** will continue through at least the 21th, the last day of national mourning and will probably continue on even past that date. (May 20/Ron Howard-Shanghai, China/Cumbre DX)

CNR-1 & 2 started earthquake special service entirely on SW.

Some **CNR-1** now on 24 hrs service on SW and MW. Some **CNR-1s** start broadcast for 24 hrs on SW and MW. I confirm that **CNR-1** was done service of to May 13 after 1735 UT on 13840 kHz-Nanning.

And 4820, 6200 kHz of **Tibet PBS-XZDT** Lhasa relay **CNR-1**. 4820 kHz **XZDT-Chinese** until 1800, after **CNR-1**. 6200 kHz **XZDT-Tibetan** until 1805, after **CNR-1**. (de Hiroshi-JPN, via Sei-ichi Hasegawa-JPN, **NDXC** May 14)

Special live service of **CNR 1 & 2** was finished at 1000 UT. (Sei-ichi Hasegawa-JPN, **NDXC** May 14/ **WWDXC BC-DX/Top News**)

CNR TEMPORARY INCREASE SERVICE FOR EARTHQUAKE AREAS IN SICHUAN according to **CNR-1** May 15:

5935	1100-0100
6200	1100-0100
7125	24 hrs
7230	0000-1500
7275	1100-2300
13840	0100-1500
15380	2300-1100

(S. Hasegawa, Japan, **NDXC**, May 16DX Listening Digest/Hauser-OK)

Sichuan PBS (SCBS) Minority Service-Chengdu off air—I can't receive **SCBS-Chengdu** on 7225 kHz from the evening (local time) of May 12; may be damage for **Wenchuan-Sichuan Earthquake**. 6060 kHz-Xichang continues giving a service (S. Hasegawa, Japan, **NDXC-HQ/DX** Listening Digest/Hauser-OK)

Xinjiang XJBS Summer schedule from May 4:

0000-0300	Uighur	6120 7275 11885 13670
0000-0300	Kazakh	6015 7340
0000-0300	Chinese	5960 7155 7310 11770
0000-0330	Mongolian	6190 7230
0300-0800	Uighur	7275 9560 11885 13670
0300-0800	Kazakh	9470 7340
0300-0800	Chinese	5960 7155 9600 11770
0330-0530	Kirghiz	9705 11975
0530-0800	Mongolian	7230 9510
0800-1030	Mongolian	7230 9510 Mo/We/Fr/Sa/Su
0800-1100	Chinese	5960 7155 9600 11770 We-Mo
0800-1100	Uighur	7275 9560 11885 13670 We-Mo
0800-1100	Kazakh	9470 7340 Mo/We/Fr/Sa/Su
1030-1100	Kirghiz	9705 11975 Mo/We/Fr/Sa/Su
1100-1150	Kazakh	9470 7340
1100-1200	Uighur	7275 9560 11885 13670
1100-1230	Kirghiz	9705 11975
1100-1400	Chinese	5960 7155 9600 11770
1150-1800	Kazakh	6015 7340
1200-1800	Uighur	6120 7275 11885 13670
1230-1800	Mongolian	6190 7230
1400-1800	Chinese	5960 7155 7310 11770
2300-2400	Uighur	6120 7275 11885 13670
2300-2400	Chinese	5960 7155 7310 11770
2330-2400	Mongolian	6190 7230
2330-2400	Kazakh	6015 7340

(de Hiroshi; Sei-ichi Hasegawa-JPN, **NDXC HQ** May 2/ **WWDXC BC-DX/Top News**)

Haixia zhi Sheng-Voice of Strait now scheduled:

News Channel

0000-0400	Chinese	9505
0400-0500	Chinese	9505 Th-Tu
0500-0530	Chinese	9505 Th/Fr/Sa/Mo/Tu
0500-0530	English	9505 Su
0530-0550	Chinese	9505 Th-Tu
0550-0600	English	9505 Th-Tu
0600-1200	Chinese	9505 Th-Tu
0955-1200	Chinese	9505 We
1200-1700	Chinese	4940
2225-2400	Chinese	4940

Life and Entertainment Channel

0000-0400	Chinese	7280
0400-1000	Chinese	7280 Th-Tu
1000-1200	Chinese	7280
1200-1700	Chinese	5050
2225-2400	Chinese	5050

Minnan Dialect Channel

0000-0400	Amoy	6115
0400-1000	Amoy	6115 Th-Tu
1000-1200	Amoy	6115
1200-1700	Amoy	4900
2225-2400	Amoy	4900

(Shigenori Aoki-JPN, via Sei-ichi Hasegawa-JPN, NDXC May 10/WWDXC BC-DX/Top News)

According to Chinese media, *Changjiang Maritime Security Information Center* (No. 134, Yangjiangdai Road, Wuhan, Hupei, China) is now broadcasting on 8794 USB 5 times a day at 0000, 0300, 0600, 0900, and 1400 UT. The broadcast consists of water traffic information on Changjian river. At 0900 UT news and weather information is added. (Takahito Akabayashi-JPN, wwdxc BC-DX TopNews may 12)

CLANDESTINE 7205 IBC Tamil Radio, via Wertachtal, Germany, *0000-0010, Apr 27, TS, Tamil ann, ID: "IBC Tamil...", Tamil folkmusic, ex 7320. (Petersen, Denmark). Scheduled 0000-0100. (Ivanov via BC-DX, Apr 22/DSWCI DX-Window)

9655 *Sawtu Linjila*, via Wertachtal, *1830-1859*, May 02, 03, 06 and 12, native Horn fanfare, ID, Lutheran religious broadcast, native songs, scheduled daily in Fulfulde to Cameroon, produced by Lutheran World Federation. Their address is: B.P. 02, Ngaound, Cameroon, but this is also verifiable from Media Broadcasts (ex T-Systems) if not direct. This is not Sauti ya Injili as in the WRTH update. (Berg-MA, Bueschel-Germany, Henderson-MD, Petersen-Denmark, Ritola-Finland, Romero-Spain and Savolainen-Finland)

11690 *Inbon-e Baram (Nippon no Kaze)*, via Darwin, *1500-1530*, Apr 22 and 26, Korean ann, frequency schedule over music with tentative mention of Australia and Taiwan; two men with interview, ann mentioning Tokyo with "live" report, soundbites; 1526 closing ann. (Barbour in DXplorer and Petersen-Denmark/DSWCI DX-Window)

15755 *Radio Free Chosun* (p), 1205-1212, April 19, Korean news, very good signal. (Slaen, Argentina/DSWCI DX-Window)

CONGO 6210 Radio Kahuzi 1740 Unshackled program in English. 1749 ID in English by Richard McDonald (I recognized his voice.) One song. 1753 French. 1759 another ID by Richard and into VOA in English at 1800. (Johnson via remote receiver May 16/Cumbre DX)

EGYPT Summer A-08 of Radio Cairo:

0000-0300	Arabic GS	6290 ABS
0030-0430	Arabic	9280 ABZ
0045-0200	Spanish	6140 ABS 7270 ABZ 9360 ABZ
0200-0330	English	7270 ABZ
0700-1100	Arabic GS	15115 ABZ
1015-1215	Arabic	15170 ABZ
1100-2400	Arabic GS	6290 ABZ
1215-1330	English	17835 ABZ
1230-1400	Indonesian	15710 ABS
1300-1600	Arabic	15080 ABS
1330-1530	Farsi	15040 ABZ

1430-1600	Pashto	12170 ABZ
1500-1600	Albanian	11550 ABS
1500-1600	Uzbek	13580 ABZ
1530-1730	Swahili	17810 ABZ
1600-1700	Afar	15155 ABZ
1600-1800	English	12170 ABZ
1600-1800	Urdu	6270 ABZ
1700-1730	Somali	15155 ABZ
1700-1900	Turkish	6860 ABS
1700-2300	Wadi el Nile*	9250 ABZ
1730-1900	Amharic	15155 ABZ
1800-1900	Italian	11550 ABS
1800-2100	Hausa	9990 ABS
1900-0030	V of Arabs	9960 ABZ
1900-2000	German	11550 ABS
1900-2000	Russian	6860 ABS
1900-2030	English	9380 ABZ
2000-2115	French	11550 ABS
2000-2200	Arabic	6860 ABZ
2030-2230	French	9300 ABS
2115-2245	English	11550 ABS
2215-2330	Portuguese	9360 ABZ
2300-0030	English	9280 ABZ
2330-0045	Arabic	9360 ABZ 9735 ABS

*Nile Valley Radio (DX Mix—Bulgaria)

EQUATORIAL GUINEA 15190, Radio Africa. 2047 & 2158-2210, May 8. Heard back on the air again, thanks to tip from Glenn. At 2047 heard decent strength open carrier, but with no audio. From 2158-2210 religious program in English heard with decent audio, fair reception even with WYFR QRM. (Ron Howard-CA/Cumbre DX)

GERMANY Frequency changes of *Deutsche Welle*:

1400-1500	Amharic NF	15650 KIG, ex 15660
1700-2000	Arabic NF	15445 KIG, ex 15420
1730-1930	Farsi NF	5945 ARM, ex 7270

New transmissions of *CVC International* via Media Broadcast from May 1:

1900-2000	Arabic	9840 JUL
2000-2100	Arabic	9565 JUL

(DX Mix—Bulgaria)

Media Broadcast GmbH (formerly T-Systems—DTK) A08 as of April 24:

0000-0100	7205-WER	IBC WRN
0030-0045	9640-WER	PAB Su
0030-0045	9815-WER	BVB Sa/Su
0030-0100	9490-WER	BVB
0030-0130	9435-WER	GFA
0100-0500	7285-NAU 9925-HRT	
	NAU	
0400-0700	9470-WER	HRT
0430-0500	11635-WER	BVB Su
0430-0530	11635-WER	BVB Mo-Th/Sa
0430-0545	11635-WER	BVB Fr
0600-1000	11690-WER	HRT
0700-0815	5945-NAU	BVB Sa/Su
0745-0815	5945-NAU	BVB Fr
0900-0959	6055-WER	CHW Su

0900-1000	17535-WER	BVB Fr	1530-1700	9670-MC	PRW
0900-1000	6045-WER	HLR 1st Su	1530-1730	12140-JUL	BVB
1030-1059	11915-WER	PRW	1530-1815	13590-JUL	BVB Su
1030-1100	11995-NAU	PRW	1545-1600	13590-JUL	BVB Mo/We
1030-1100	6055-WER	EMG Sa/Su	1545-1615	13590-JUL	BVB Fr
1100-1115	5945-WER	MWA Su	1545-1800	13590-JUL	BVB Tu
1100-1129	13745-WER	PRW	1545-1829	13590-JUL	BVB Sa
1100-1130	13710-NAU	EMG Sa	1600-1659	9925-JUL	YFR
1100-1130	13840-WER	PRW		11670-WER	
1130-1159	5965-WER	PRW		11680-WER	
	5975-WER			11730-WER	
1159-1259	6140-WER	MVB 1st Su		11760-WER	
1159-1259	6140-WER	MVB Su		12075-NAU	
1200-1230	15610-NAU	BVB Mo-Fr		13645-WER	
1200-1300	7330-NAU 9525-WER	PRW		15705-WER	
			1700-1759	9925-JUL	YFR
1230-1329	15750-WER	GFA		11680-WER	
1300-1329	11835-WER	PRW		11730-WER	
	13800-WER		1600-1759	13810-NAU	BVB Mo-We
1300-1359	15640-WER	YFR	1600-1830	13810-NAU	BVB Sa
1300-1400	5945-JUL	RTR Su	1600-1859	13630-NAU	YFR
1300-1459	15350-NAU	YFR	1600-1859	13810-NAU	BVB Su
1300-1559	15670-WER	YFR	1601-1631	13830-JUL	PAB Th
1330-1429	11975-WER	PRW	1601-1646	13830-JUL	PAB Su
1330-1429	13860-WER	GFA	1615-1729	9430-WER	BVB Mo/We/Fr
1330-1430	9440-JUL	PRW	1625-1715	13580-ISS	BVB Tu/Fr
1330-1459	15495-WER	GFA	1625-1729	13580-ISS	BVB Mo/We/Th
1400-1415	15205-NAU	PAB Tu/Th/Sa	1630-1659	11640-JUL	RHU Tu/Fr
1400-1430	15205-JUL	PAB Su/We	1630-1759	13810-NAU	BVB Th
1400-1459	13810-JUL	TOM	1630-1859	13810-NAU	BVB Fr
1400-1459	15680-NAU	BVB Sa/Su	1700-1729	9430-WER	BVB Tu/Th
1400-1459	15690-WER	YFR	1700-1730	15650-WER	RMI Sa
	15370-NAU		1700-1758	13820-WER	EMG Su/We/Fr
	15715-WER		1700-1758	13820-WER	ELF Th
1400-1559	6110-JUL	TOM	1700-1759	11670-WER	YFR
1415-1430	15205-JUL	PAB Mo/Tu/Th/Fr/Sa		11850-NAU	
1430-1445	15205-NAU	PAB Su		11970-WER	
1430-1459	11755-WER	PRW	1700-1759	13830-WER	SBO Su/Tu/We/Fr
	11955-WER		1700-1759	3955-WER	YFR
1430-1529	15470-JUL	BVB Sa-Th	1700-1759	7140-JUL 7265-WER	PRW
1430-1529	13745-WER	GFA			
1430-1544	15470-JUL	BVB Fr	1700-1759	9430-WER	BVB Sa/Su
1500-1529	9440-WER	PRW Su-Fr	1700-1800	13840-JUL	YFR
1500-1530	11800-WER	PRW	1700-1800	6015-ISS	HCJ
1500-1530	15390-NAU	BVB Sa/Su	1700-1900	9505-NAU	YFR
1500-1530	9440-WER	PRW Sa	1730-1759	13590-JUL	BVB Fr
1500-1559	13820-WER	YFR	1730-1759	11915-JUL	IBR
	13830-WER			15600-JUL	
	13840-WER		1800-1815	11875-JUL	BVB Sa
	15370-NAU		1800-1829	6140-WER	PRW
1500-1559	15390-NAU	BVB Mo/Th/Fr	1800-1830	11875-JUL	BVB Mo/We/Fr
1500-1559	17485-JUL	TOM	1800-1830	6130-WER	BVB Tu/Fr
1500-1859	15750-NAU	YFR	1800-1830	9430-WER	BVB Sa
1504-1533	11955-NAU	EMG Sa	1800-1830	9435-JUL	BVB Su
1515-1559	15390-NAU	BVB We	1800-1830	9695-JUL	PRW
1515-1559	15680-JUL	BVB Tu-Fr	1800-1845	6130-WER	BVB Th/Sa
1530-1559	15390-NAU	BVB Tu	1800-1859	7220-JUL	YFR
1530-1559	15680-JUL	BVB Sa/Su		11600-WER	
1530-1559	17650-WER	BVB We		11855-WER	
1530-1559	5975-WER	PRW		13730-WER	
1530-1630	13750-ISS	GFA		13830-WER	

1859-1957	15335-NAU	RNW
1900-1930	15205-JUL	AWR
1900-1930	7230-WER	FEB
1900-1930	9875-WER	IBB Mo-Fr
1900-2000	15260-JUL	AWR
1900-2000	9805-WER	IBB
1900-2030	11730-WER	AWR
1930-2000	15205-WER	AWR
1959-2200	6125-NAU	RNW
2000-2100	11755-WER	AWR
2030-2100	9430-NAU	AWR
2200-2300	6145-WER	VOR arab

List of Broadcasters which are using MEDIA

BROADCAST technical equipment:

AWR	Adventist World Radio
CHW	Christliche Wissenschaft
DTK	Deutsche Telekom
DVB	Democratic Voice of Burma
EPD	Ethiopeans For Democracy
ELF	Eritrean Liberation Front
EMG	Evangelische Missionsgemeinden in Deutschland
FEBA	Feba Radio UK
GFA	Gospel for Asia
HCJ	Voice of the Andes
HLR	Hamburger Lokalradio
HRT	Hrvatska Radio Televizija
IBB	International Broadcast Bureau
IBR	IBRA Radio Schweden
LWF	Lutheran World Federation
MWA	Missionswerk Arche
MVB	Mecklenburg-Vorpommern Baltic Radio
NHK	Nippon Hoso Kyokai
PAB	Pan Am Broadcasting
PRW	Polskie Radio Warsaw
RHU	Radio Huriyo (Xoriyo)
RMI	Radio Miami International
RNW	Radio Netherlands World Service
RRP	Radio Reveil Paroles de Vie
RTR	Radio Trauand (Belgium)
SBO	Sagalee Bilisummaa Oromoo
TOM	The Overcomer Broadcast
TWR	Trans World Radio
VOR	Voice of Russia
WRN	World Radio Network
YFR	WYFR Family Radio

(Sabine Gawol, MEDIA BROADCAST GmbH/Worldwide DX Club/Mike Bethge)

HUNGARY 3975 and 6025, *Magyar Radio*, incl. relays of Kossuth Radio and FS obviously was seriously cut down by Apr 01. It is now only noticed in Hungarian tentatively at *1000-1100* and *1600-1700* on 6025, and at *2100-2200* on 3975. (Petersen). *Magyar Radio* is reluctant to explain these cuts, but a public voting in March 2008 forbid the Government to make extra social and medical expenses for the man in the street. Thus it was forced to find other ways to bring down the state deficit and unfortunately this seems to be one of them. (Szilagyi, Sweden/Apr 27/DSWCI DX-Window)

The complete official, reduced schedule for A08 of *Radio Budapest* (no longer MR1 Kossuth Radio) in Hungarian is daily to Europe. It was monitored early May as follows:

0100-0200	5965
0400-0500	3975
1000-1100	6025
1600-1700	6025
2100-2200	3975

Other announced broadcasts were not on the air.

(Gilbert-UK, Ivanov-Russia and Petersen-Denmark/DSWCI DX-Window)

Summer A-08 for IBB via JBR 250 kW:

0300-0400	Russian	7155 Radio Liberty
1300-1330	Russian	11725 VOA
1330-1430	Spec English	11725 VOA
1400-1500	Uzbek	15265 Radio Liberty
1700-1730	Russian	9520 VOA
1800-1830	Russian	9520 VOA

(DX Mix—Bulgaria)

INDIA Frequency change of *All India Radio* in Russian:

1615-1715 Russian NF 9595 DEL, ex 9585

(DX Mix—Bulgaria)

INDONESIA 3325 *RRI Palangkaraya*, 2217-2249, May 03, Indonesian chatter, tunes, news 2230, local ID. (Goncalves-Portugal/DSWCI DX-Window)

3987.05 *RRI Manokwari*, 1215-1233, May 08, Jakarta program to 1226, then local programming with talk and vocal music. (Wilkins-FL via DXplorer/DSWCI DX-Window)

3995.03 *RRI Kendari*, 1159-1207, May 10, SCI, then Jakarta relay //4605, 3325, and 4790. (Wilkins-FL via DXplorer/DSWCI DX-Window)

9680 *RRI Jakarta*. Sue Rodger of Kang Guru Radio English program has informed me that they have a new schedule: 0800-0820 on We and Fr (ex: 1000-1020 on We and Su), which would explain why I have not heard them on their former schedule for almost 2 months now. On Apr 29 their website <http://www.kangguru.org/broadcastschedule.html> was updated. (Howard-CA/DSWCI DX-Window)

IRAN Frequency changes for *VOIROI/IRIB* from May 1:

0130-0227	Kazakh	NF 9790 SIR, ex 9795
1530-1627	English	9600 SIR, ex 9635
1530-1627	English	NF 7375 KAM, ex 7370
1830-1928	French	NF 6000 SIT, ex 7260
1930-2028	English	NF 6000 SIT, ex 7260
2100-2157	Japanese	NF 11655 SIR, ex 11990
2100-2157	Japanese	NF 9690 KAM, ex 9670
2330-0027	Chinese	NF 11970 SIR, ex 11975
2330-0027	Chinese	NF 11740 KAM, ex 11820

(DX Mix—Bulgaria)

KOREA—NORTH (D.P.R.)		Voice of Korea A-08		1800		French		7100 9975 11535 11910		
schedule, as from May 5th, showing feeder frequencies:										
0000	Korean	4405	7140 9345 9730	1800	German	4405	9325 12015	1900	English	7100 11910
0000	Spanish	11735	13760 15180	1900	German	4405	9325 12015	1900	English	9975 11535
0000	Chinese	3560	13650 15100	1900	Spanish	3560	13760 15245	2000	Korean*	4405 7100 9325 9975
0100	English	4405	7140 9345 9730	11735	13760 15180	11535	11910 12015	2000	French	3560 13760 15245
0100	French	3560	13650 15100	2100	Chinese	9975	11535	2100	English	3560 13760 15245
0200	English	3560	13650 15100	2100	Chinese	9975	11535	2100	English	3560 13760 15245
0200	Spanish	11735	13760 15180	2100	Japanese	4405	3250 9650 11865	2100	Japanese	4405 3250 9650 11865
0200	Chinese	4405	7140 9345 9730	2100	Chinese	7180	9345	2100	Chinese	7180 9345 9975 11535
0300	Chinese	3560	13650 15100	2200	Chinese	7180	9345 9975 11535	2200	Japanese	4405 3250 9650 11865
0300	English	4405	7140 9345 9730	2200	Japanese	4405	3250 9650 11865	2200	Spanish	3560 13760 15245
0300	French	11735	13760 15180	2300	Korean*	3560	7180 9345 9975	2300	Japanese	3250 4405 9650 11865
0700	Korean	3560	7140 9345	2300	Japanese	3250	4405 9650 11865			
0700	Russian	9975	11735 13760 15245							
0700	Japanese	3250	4405 9650 11865							
0800	Japanese	3250	4405 9650 11865							
0800	Russian	9975	11735 13760 15245							
0800	Chinese	3560	7140 9345							
0900	Japanese	4405	3250 6070 9650							
		11865								
0900	Korean*	3560	7140 9345							
0900	Korean	9975	11735 13760 15245							
1000	English	11735	13650							
1000	Japanese	3250	4405 6070 9650							
		11865								
1000	Korean	3560	7140 9345							
1000	English	11710	15180							
1100	French	11710	11735 13650							
		15180								
1100	Japanese	3250	4405 6070 9650							
		11865								
1100	Chinese	3560	7140 9345							
1200	Japanese	3250	4405 6070 9650							
		11865								
1200	Korean*	11710	11735 13650							
		15180								
1200	Korean	3560	7140 9345							
1300	English	3560	9335 11710 13760							
		15245								
1300	Korean	4405	9325 12015							
1300	Chinese	11735	13650							
1400	French	3560	9335 11710 13760							
		15245								
1400	Korean*	11735	13650							
1400	Russian	4405	9325 12015							
1500	English	3560	9335 11710 13760							
		15245								
1500	Russian	4405	9325 12015							
1500	Arabic	9990	11545							
1600	German	4405	9325 12015							
1600	English	9990	11545							
1600	French	3560	9335 11710 13760							
		15245								
1700	Arabic	9990	11545							
1700	Korean*	3560	9335 11710 13760							
		15245								
1700	Russian	4405	9325 12015							
1800	English	3560	13760 15245							

All Korean broadcasts are PBS, except for * which are KCBS

(Arnulf Piontek-D, Apr 30, edited by Glenn Hauser/DX Listening Digest)

KUWAIT Summer A-08 for IBB via KWT 250 kW:

0000-0030	English	7555	VOA
0000-0100	Kazakh	9765	RFE
0100-0200	English	7430	VOA
0100-0300	Tibetan	9365	RFA
0200-0530	Farsi	5860	FAR
0230-0330	Pashto	12140	15690 AFG
0300-0400	Turkmen	9555	FRE
0330-0530	Dari/Pashto	15615	AFG
0430-0630	Pashto/Dari	17670	AFG
0600-0700	Tibetan	17780	RFA
0630-0830	Pashto/Dari	17685	AFG
0730-0830	Dari	15615	AFG
0830-0930	Pashto	15090	AFG
1000-1100	Tibetan	17750	21510 RFA
1000-1400	Farsi	7125	FAR
1100-1200	Tibetan	17750	RFA
1130-1430	Dari/Pash/Dar	15090	AFG
1200-1400	Tibetan	11590	RFA
1330-1430	Dari	11550	AFG
1400-1500	Tibetan	11975	RFA
1400-1500	Urdu	15790	AAP
1430-1530	Pashto/Dari	9335	15090 ASH
1500-1530	Uzbek	15265	VOA
1500-1600	Tibetan	11550	RFA
1530-1630	Pashto	9335	ASH
1530-1630	Pashto	15090	AFG
1600-1700	Uzbek	7555	RFE
1630-1730	Dari	9335	11565 11580 ASH
		9310	DEE
1700-1830	Pashto	9335	11565 11580 ASH
1730-1830	Pashto/Dari	9335	11565 11580 ASH
		7555	ASH
1830-1900	Pashto	9780	DEE
1830-1900	Pashto	9780	DEE
1900-1930	Farsi	5860	VOA

1900-2030	Dari	7555 <i>ASH</i>
1930-2130	Farsi	5830 <i>FAR</i>
2030-2200	English	7555 <i>VOA</i>
2200-2300	English	7460 7555 <i>VOA</i>
2300-2400	Tibetan	7500 <i>RFA</i>
2300-2400	English	7555 <i>VOA</i>

AAP—Aap Ki Duniya
AFG—Radio Free Afghanistan
ASH—Radio Ashna
DEE—Deewa Radio
FAR—Radio Farda
RFA—Radio Free Asia
RFE—Radio Liberty
VOA—Voice of America
 (DX Mix—Bulgaria)

MEXICO 4800 *XERTA*, Mexico City, 0541-1239, Apr 22, 24, 25 and 27, non-stop romantic Spanish selections although sometimes sounded like some religious gospel, heterodyne from Guatemala at 1224-1229 and mild CODAR QRM, very strong FM quality signal in Florida. (Barbour-FL in DXplorer, Bobrowiec, Hauser and Wilkner/DSWCI DX-Window)

MOLDOVA *Radio DMR* for A08:

1400-1415	English	12135gri Mo-Fr
1415-1430	French	12135gri Mo-Fr
1430-1445	German	12135gri Mo-Fr
1445-1500	English	12135gri Mo-Fr
1500-1515	French	12135gri Mo-Fr
1515-1530	German	12135gri Mo-Fr
1530-1545	English	12135gri Mo-Fr
1545-1600	French	12135gri Mo-Fr
1600-1615	German	12135gri Mo-Fr
1615-1630	English	12135gri Mo-Fr
1630-1645	French	12135gri Mo-Fr
1645-1700	German	12135gri Mo-Fr
2215-2230	English	6040gri Sa-Fr
2230-2245	French	6040gri Sa-Fr
2245-2300	German	6040gri Sa-Fr
2300-2315	English	6040gri Sa-Fr
2315-2330	French	6040gri Sa-Fr
2330-2345	German	6040gri Sa-Fr

(WRTH A08 update)

MYANMAR Where is *Myanma Radio's* SW station broadcasting from now? Have seen recent cyclone news reports about broadcasting from the new capital (according to a state radio station. The radio station broadcasting from the country's capital Naypyitaw). Have also read about Myanma Radio and Television having moved to the new capital at Naypyitaw, leaving their Pyay Road, Yangon/Rangoon location.

So Yangon/Rangoon is no longer the capital, but has Myanma Radio finished broadcasting from there via SW? Perhaps this all has to do with sudden change in frequency to 5985.0, which for so many years was steady on 5985.83; the appearance of the additional frequency of 5915 and the new schedul-

ing for their English Language Service? (May 5/Ron Howard-CA/Cumbre DX)

5040 *Myanma Radio*, Yegu, Yangon, 1100, Apr 29, Domestic Service in Vernacular // 5915. But both channels not heard since May 03 due to lack of power and possible Cyclone damages. (Goonetilleke-Sri Lanka and Ritola-Finland in DXplorer, and Jacob)

5915 *Myanma Radio*, Yangon, 0000, Apr 29, Burmese Service heard on new frequency // 5985. At 0030 7185 starts up as well, so Myanma Radio now has three transmitters, besides the Defence Forces heard on 5770! (Goonetilleke, Sri Lanka in DXplorer/DSWCI DX-Window)

5985.06 *Myanma Radio*, Yegu, Yangon, 1100, Apr 29, ex 5985.75, with the usual more western oriented service. (Goonetilleke in DXplorer). This station was off from May 03 due to lack of power and possible Cyclone damages, but came back on May 08 and 09 heard with a limited schedule*1200-1405* with non-stop talking in Vernacular and many mentions of Myanmar to save power. But 1301-1600*, May 10—the day of a referendum -, back to their usual format of mostly music (mixture of pop, rap, ballads and indigenous songs) plus some segments of talking. 1500-1530 played all indigenous songs, into the "English program of Myanma Radio." (Goonetilleke, Ritola and Savolainen in DXplorer, Howard and Jacob)

7185 *Myanma Radio*, Yegu, Yangon, was off from May 03 due to lack of power and possible Cyclone damages, but came back at 0030, May 09. (Goonetilleke in DXplorer, and Jacob)

9730 *Myanma Radio*, Yegu, Yangon, was off from May 03 due to lack of power and possible Cyclone damages, but came back at 0755-0900*, May 08. But it signed off at 0800* on May 09 obviously to save power.

Myanmar does not permit Amateur Radio. Such a pity, hams could have done a wonderful amount of work. No network congestion and simple operations, does the work that commercial operators cannot for the first few days at least when all else fails. (Goonetilleke in DXplorer, Jacob)

NETHERLANDS Frequency changes of *RNW* to SoAs:

1400-1555	English	NF 5830 DB, ex 9345 and NF 9885 MDC, ex 9890
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(DX Mix—Bulgaria)

PAKISTAN Frequency change of *Radio Pakistan*:

1330-1530	Urdu WS	NF 11565 ISL, ex 11570 // 9385
1600-1615	English	NF 11565 ISL, ex 11570 // 9385 15625v

(DX Mix—Bulgaria)

PERU 4789.58 *La Nueva Atlantida*, Iquitos, 2258-0230v*, Apr 18, 24 and 25, reactivated! Spanish ann, tropical rhythms, 2301 program "Hora Junta," ID: "...A traves de la Nueva Atlantida 106.5 frecuencia modulada y los 4790 kHz onda corta presentamos el informativo Hora Junta, bajo la conduccion del periodista Zenon Sanchez Ramirez...Hora Junta espacio periodistico de opinion, entrevistas y participacion popular..." From *2330 severe QRM from Radio Vision on 4790.10, so heard best in LSB. Slogan: "...La Nueva Atlantida, gozala..." in Denmark heterodynes from Pakistan 4790.01 *0045- about 0200, and Radio Vision 4790.10. (Petersen, Rodriguez, Slaen, Valko and Wilkner/DSWCI DX-Window). Also heard from *0955-1030, Apr 19, 24 and 27, Spanish program "Los Astros y su Destino..." ann: "...relanzamiento de nuestra onda corta..." Latin american pop songs, advs, mentions of Trujillo and Cusco, QRM from CODAR and Radio Vision. (Rodriguez, Slaen, Valko and Wilkner/DSWCI DX-Window)

4805 *Radio San Juan*, San Juan Bautista, Ayacucho, 0055-0140, May 14, M IDs, Peruvian music vals, huayno, advs Colegio San Juan, fair to good signal. (Aragio, Bolivia/Hard-Core DX)

ROMANIA Frequency changes of *Radio Romania International*:

1930-1956 Serbian NF 6130 TIG, ex 6065

1930-1956 Serbian NF 7215 TIG, ex 7140

(DX Mix—Bulgaria)

RUSSIA Foreign relays via Russian/CIS transmitters:

Moscow / RUS

7175	2200-2300	<i>CRI</i>
7200	1830-1930	<i>CRI</i>
7225	1930-2000	<i>CRI</i>
7340	1900-2000	<i>YFR</i>
9490	1900-2000	<i>YFR</i>
12085	1600-1630	<i>BBC</i> Mo-Fr
12085	1600-1700	<i>BBC</i> Sa/Su
13685	0500-0700	<i>VRT</i>
13685	1700-1800	<i>VRT</i>

Sankt-Peterburg / RUS

7130	1800-1830	<i>CRI</i>
12065	1600-1700	<i>CRI</i>

Samara / RUS

7240	1800-2000	<i>YFR</i>
7320	1900-2000	<i>YFR</i>
7320	2030-2130	<i>CRI</i>
9615	1800-1900	<i>YFR</i>
9825	1800-1830	<i>IBR</i>
9850	1400-1600	<i>YFR</i>
11955	1600-1645	<i>TWR</i> Mo-We
11955	1600-1630	<i>TWR</i> Th/Fr
12055	1400-1500	<i>YFR</i>
12075	1400-1500	<i>YFR</i>
13590	1400-1500	<i>YFR</i>

15530	0400-0500	<i>FEB</i> Mo-Th
15530	0400-0530	<i>FEB</i> Fr-Su

Krasnodar / RUS

7180	0100-0200	<i>BBC</i>
7270	1730-1930	<i>DWL</i>
7320	0330-0430	<i>BBC</i>
7320	1800-1900	<i>YFR</i>
9735	1600-1700	<i>YFR</i>
9830	1430-1600	<i>FEB</i>
9840	1530-1600	<i>FEB</i> Mo-Th
9840	1515-1600	<i>FEB</i> Fr-Su
11655	1600-1630	<i>FEB</i>
11810	1700-1900	<i>YFR</i>
11825	1630-1700	<i>RPR</i>
12060	1900-2100	<i>YFR</i>
12065	1400-1600	<i>YFR</i>
12075	1500-1600	<i>YFR</i>
12100	1600-1700	<i>YFR</i>
13745	1400-1430	<i>BBC</i>
13840	1400-1500	<i>DWL</i>
15450	1330-1500	<i>BBC</i>
15460	0500-0530	<i>BVB</i> Mo-We
15460	0500-0545	<i>BVB</i> Fr
15470	1400-1430	<i>SIR</i> Tu/Th/Sa
15505	0600-0630	<i>SIR</i> Mo-Fr

Novosibirsk / RUS

9900	1230-1315	<i>VAT</i>
11930*	1300-1545	<i>TWR</i>
11990	1300-1500	<i>VOA</i>
12045	2200-2300	<i>RFI</i>
12085**	0015-0130	<i>TWR</i>

* alternative 9445, 11745** alternative 9445

Novosibirsk (Oyash) / RUS

9500	1400-1500	<i>FEB</i>
9625	1400-1500	<i>YFR</i>
9900	2300-2350	<i>DWL</i>
12035	2315-2400	<i>VAT</i>
12055	1200-1300	<i>IBR</i>
12055	1315-1400	<i>VAT</i>
13770	0300-0400	<i>DWL</i>
15490	1200-1300	<i>YFR</i>
15560	0200-0330	<i>VAT</i>

Irkutsk / RUS

6135	1100-1500	<i>YFR</i>
7210	1500-1700	<i>RFA</i>
7215	1400-1500	<i>YFR</i>
9415	1230-1600	<i>TWR</i>
9450	0900-1200	<i>YFR</i>
9465	1200-1300	<i>YFR</i>
9615	1200-1500	<i>YFR</i>
9900	1000-1100	<i>YFR</i>
11895	1200-1400	<i>YFR</i>
12025	0930-1030	<i>RFI</i>
12035	2200-2245	<i>VAT</i>
15635	0300-0700	<i>RFA</i>
17710	0230-0300	<i>BBC</i>

Chita / RUS		
7250*	1300-1330	<i>DEG</i> tu/Th/Sa
7320	1400-1600	<i>YFR</i>

* alternative 7260, 7350

Vladivostok / RUS		
5980	1300-1330	<i>DWL</i>
7205	1030-1150	<i>DWL</i>
9900	1100-1200	<i>YFR</i>
13850	1100-1300	<i>YFR</i>
15535	2330-0030	<i>RFA</i>
15595	0000-0100	<i>DWL</i>

Khabarovsk / RUS		
5945	1115-1300	<i>BVB</i>
11830	2300-2350	<i>DWL</i>
13785	0000-0045	<i>VAT</i>
13820	1000-1100	<i>RNW</i>

Komsomolsk-na-Amure / RUS		
5970	1200-1300	<i>YFR</i>
7245	1000-1100	<i>YFR</i>
11725	1100-1500	<i>YFR</i>
17525	0000-0100	<i>DWL</i>

Petropavlovsk-Kamchatsky / RUS		
5910	1045-1130	<i>BVB</i> Sa
5910	1015-1145	<i>BVB</i> Su
5910	1300-1400	<i>RNW</i>
7205	1200-1300	<i>IBR</i>
9865	1100-1500	<i>YFR</i>
12065	1000-1100	<i>RNW</i>

Almaty / KAZ		
7430	2200-2300	<i>DWL</i>
9950	1430-1500	<i>VOO</i> Tu/Fr
9985	2345-0015	<i>TWR</i>
11520	1300-1400	<i>YFR</i>
12150	1100-1500	<i>YFR</i>
13690	1330-1500	<i>BBC</i> Tu
13810	1300-1500	<i>YFR</i>

Gavar / ARM		
7510	2000-2030	<i>RFK</i>
9950	2100-2200	<i>FNK</i>
15480	1430-1530	<i>DVB</i>
15755*	1200-1300	<i>FCH</i>

* alternative 15145, 13650

Grigoriopol / MDA		
6040	2000-2200	<i>RNW</i>
7430	2000-2200	<i>YFR</i>
7460	0230-0315	<i>RPD</i>
7480	1800-1845	<i>RPD</i>
11935	0600-0700	<i>RNW</i>
13665	1500-1600	<i>YFR</i>

Nikolaev / UKR		
7520	1600-1800	<i>YFR</i>
7540*	1600-2000	<i>MEZ</i>
11530	0400-1600	<i>MEZ</i>

* alternative 11530

Tashkent / UZB		
6260	0000-0400	<i>CVC</i>
6260	1400-2000	<i>CVC</i>
7370	1500-1530	<i>FEB</i>
7375	0015-0100	<i>FEB</i>
7510	1400-1600	<i>YFR</i>
9345	1400-1600	<i>RNW</i>
9365	1400-1500	<i>YFR</i>
9495	1700-1900	<i>YFR</i>
9540	1430-1500	<i>FEB</i>
9695	1230-1300	<i>VAT</i>
9975	0100-0400	<i>CVC</i>
11790	0100-0300	<i>CVC</i>
11850	1430-1600	<i>VAT</i>
13630	0400-1100	<i>CVC</i>
13680	0300-0600	<i>CVC</i>
13745	0100-0130	<i>BBC</i>
13820	1100-1400	<i>CVC</i>
15515	0300-0900	<i>CVC</i>

Orzu / TJK		
7540	2300-2400	<i>RFA</i>
15755*	1330-1430	<i>RFK</i>

* alternative 11560

Yangiul / TJK		
5840	1800-1830	<i>RPR</i>
5845**	1400-1700	<i>YFR</i>
7485	1400-1430	<i>BVB</i> Th/Fr
9350	0100-0200	<i>RFA</i>
9370	1500-1600	<i>RFA</i>
9370	1600-1700	<i>RFA</i>
9395	1330-1530	<i>BBC</i>
13830	1100-1400	<i>RFA</i>
15680*	1200-1300	<i>QUE</i> Mo-Sa
17510	0600-0700	<i>RFA</i>
16 mb	1100-1600	<i>VOT</i>

* frequency +/- 20 kHz

** alternative 5855

Radiostation:

BBC—British Broadcasting Corp.
BVB—Bible Voice Broadcasting Network
CRI—China Radio Int.
CVC—CVC Int.
DEG—Degar Voice
DVB—Democratic Voice of Burma
DWL—Deutsche Welle
FEB—FEBA Radio
FCH—Radio Free Chosun
FNK—Open Radio For North Korea
IBR—IBRA Radio
MEZ—Voice of Mesopotamia
QUE—Que Huong Radio
RFA—Radio Free Asia
RFI—Radio France Internationale
RNW—Radio Nederland Wereldomroep
RPD—Radio Payam-e Doost
RPR—Radio Prague
RFK—Radio Free North Korea

SIR—Southern Sudan Interactive

TWR—Trans World Radio

VAT—Radio Vaticana

VOA—Voice of America

VOO—Voice of Orthodoxy

VOT—Voice of Tibet

VRT—Radio Vlaanderen Int.

YFR—WYFR Family Radio

(Nikolay Rudnev-Russia, Rus-DX May 18DX Listening Digest/Hauser-OK)

Another shortwave site to go: Samara—Well-placed sources hint that the Russian transmitter operator RTRS intends to close down his shortwave facilities at Samara, perhaps by the end of the current A08 season.

If so it would be the third shut-down of a major shortwave site in the former Soviet Union, after Brovary (Ukraine) and Yekaterinburg. And it would be by no means a surprise. Just compare the amount of installed capacity with the remaining demand for airtime, if not for Samara in particular for the facilities in European Russia altogether. It does not appear to be an exaggeration to call the situation precarious.

I took this as an opportunity to check out the long-established Samara relay of CRI French, 2030-2130, now on 7320: Still the old phone-quality feed, as for English via Taldom, and the transmission was accompanied by a nasty hiss, as if the equipment has now noticeably started to deteriorate. (Jari Savolainen, Finland/WWDXC BC-DX/Top News)

Last month in the consolidated A-08 sked I noted the first time I'd seen Ussurijsk site listed.

Glenn Hauser responds:

In WRTH 2008, page 445, the RTRN list of transmitter sites shows this as VLD = Vladivostok, with Ussuriysk and/or Razdolnoye more specific site(s) near Vladivostok. WRTH page 445 says, exactly: "[VLD] Vladivostok, Ussuriysk-Razdolnoye: 2 x 100, 2 x 120, 2 x 200, 3 x 250, 2 x 1000 kW."

Ussuriysk is perhaps better known as the megawatt MW site on 648, and 600 kW on 1251, but WRTH gives it another name, Razdolnoye. It has also carried some IBB programs, at least for nearby Korea North.

The sked in 8-050 does make a distinction between Vlad and Uss on SW, e.g. for English:

1400-1500	7330 7330	Ussurijsk 500 Asia
1400-1500	6045 6045	Vladivostok 250 Asia

Note: the spelling Ussurijsk is obviously a Germanism. Those and Frenchisms are totally out of place when transliterating Russian to English, which can and should be done perfectly well directly rather than via third or fourth languages, with ambiguous letters such as j. Or, why not go thru Czech or Spanish or Bengali??

So I pulled out the -U frequencies, from the version in LN, showing only two SW transmitters in use: 7165: 10-11 VOR Korean, 11-12 VOR Chinese // 7330, 12-14 Rus-WS 7330: 11-12 VOR Chinese // 7165, 12-13 VOR Vietnamese, 13-14 VOR Chinese, 14-15 VOR English

Ussuriysk nor Ussurijsk, nor anything starting Ussur- is in the Aoki listings, but instead: 7165 is attributed to Vladivostok-Tavrich, 13154E, 4320N 7330 is attributed to Vladivostok-Rasdolnoye, 13157E, 4332N

So there we have two different sites which in the LN schedule are merged into "Ussuriysk."

EiBi A-08 doesn't mention Ussuriysk, just: v-Vladivostok (Razdolnoye) 43N32-131E57. HFCC also uses just VLD.

Perhaps the SW site people can unravel, or probably already have unraveled, whether we are really talking about a two different sites known by three different names? Vladivostok is obviously the main, major city, but is Razdolnoye a subset of Ussuriysk, or vice versa, and where does Tavrich fit in?

This from Wolfgang Buschel: "Ussuriysk Razdolnoye Google Earth imagery at low resolution: 43 32 15.07 N, 131 55 39.44 E"

SLOVAKIA New transmissions of **NEXUS IBA IRRS Shortwave** from May 5:

0430-0530 English 5990 RSO Mo-Th

(DX Mix—Bulgaria)

SWEDEN Frequency change of **Radio Sweden International**:

1400-1430 Russian NF 12085 HB, ex 11590

(DX Mix—Bulgaria)

TANZANIA *Sauti ya Injili/Voice of the Gospel* website says this about their planned low-power shortwave station in Tanzania:

"There are half an hour of programs on shortwave in the morning and in the evening already. Those programs are aired at TWR Manzini with 100 kW using an antenna multiplying the strength again by 1000! That is why it can be heard in the entire Swahili speaking world!

"But many people would like to listen "Redio Sauti ya Injili" the whole day long!

"Because building the FM network nationwide may still take years to come (due to financial restraints of the church), the Lutheran Radio Centre is planning to introduce their programs to be aired on short wave, for all the areas not being able to receive the programs on FM.

"A transmitter and antenna for 50kWatts costs about 1 Million US Dollar! That is far beyond the financial range of the church! And paying for 200

units every hour the transmitter is on air, no one can pay ether!

"But God showed us another way. We made experiments, that even a low power transmitter located around Moshi can bring an audible signal to the Southern part of Tanzania, if we get the permission to use 41 or 31 meter band on short wave!

"Now Peter Haberzettl found in the internet, that some one is selling a used Russian short wave transmitter. We rented a minibus from the Bavarian Mission in Germany and went all the way to fetch it. During the special service to remember the 30th year of starting the Amateur Radio Amateur Club in Neunendettelsau, the guests will be asked to donate for this transmitter.

"We are grateful for all the people helping to disassemble the transmitter and putting its components into the container coming to Tanzania from Rotenburg! We are grateful for everyone supporting the transport!

"There will be a special meeting between church leaders and state officials briefing the topic of permission to operate this transmitter. This will enable so many more people to listen to the Sauti ya Injili programs!"

—Evangelical Lutheran Church of Tanzania

(via Jari Savolainen-Finland/Cumbre DX)

UNITED KINGDOM Frequency change for **BBC**:
0300-0400 Arabic NF 9915 CYP, ex 6015

Some changes of VT Communications relayS:

Radio Mustaqbal to Somalia, all cancelled:

0545-0615	Somali	15215 MEY Mo-We
0545-0615	Somali	15215 DHA Sa
0620-0650	Somali	17590 DHA Mo/Tu/Sa
0730-0800	Somali	15440 DHA Mo-We/Sa
0805-0835	Somali	15200 DHA Mo/Tu/Sa
1130-1200	Somali	15160 DHA Mo-We/Sa
1205-1235	Somali	15140 MEY Mo/Tu/Sa

Southern Sudan Interactive Radio Instruction to EaAf, new sked:

0600-0630	English	NF 15215 DHA Mo-Fr, ex 15440
0600-0630	English	NF 15750 MEY Mo-Fr, ex 13620 SIN
0630-0700	English	NF 11905 KIG Mo-Fr, ex 11945
0630-0700	English	NF 15760 SKN Mo-Fr, additional freq.
0630-0700	English	NF 15530 DHA Mo/We/Fr, ex 15440
0630-0700	English	15660 MEY Mo/We/Fr
1300-1330	English	NF 12070 MEY Mo/We/Fr, ex 15325

1300-1330	English	NF 15390 MEY Mo/We/Fr, additional freq.
1300-1330	English	NF 15485 MEY Mo/We/Fr, additional freq.
1400-1430	English	11750 KIG Tu/Th/Sa, deleted

Free North Korea Radio to North Korea:

1400-1600	Korean	11560 DB, ex 1330-1530 via ERV/DB
1900-2100	Korean	7530 DB, additional transmission

North Korea Reform Radio to North Korea:

1300-1330	Korean	NF 9950 TAI, ex 9940
1330-1400	Korean	9585 TAI, additional transmission

Radio Free Chosun to North Korea:

1200-1300	Korean	11540 TAI, addit.freq
1200-1300	Korean	NF 12125 ERV, ex 15755

Voice of Free Radio to North Korea, new station:

1600-1630	Korean	NF 11640 ERV, ex 1100-1130 on 15755
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Voice of Wilderness to North Korea:

1300-1400	Korean	NF 11570 ERV, ex 15710
1300-1400	Korean	11640 IRK, addit.freq

SW Radio Africa to SoAf:

1700-1900	English	12035 RMP, ex KVI
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IRIN Radio (Integrated Regional Information Network) to EaAf:

1730-1745	Somali	7290 MEY, ex 9735, re-ex 9665
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(DX Mix—Bulgaria)

UNITED STATES Frequency changes of IBB:

0330-0500	Farsi	NF 17650 UDO, ex 17575 R. Farda
0500-0600	Farsi	NF 21715 UDO, ex 17575 R. Farda
1600-1700	Farsi	NF 7340 WER, ex 9770 R. Farda
1500-1530	Uzbek	NF 15455 IRA, ex 11780 VOA
1700-1800	Ru/English	NF 5995 LAM, ex 6110 VOA
1800-1900	Ru/English	NF 9820 BIB, ex 6110 VOA
1900-2030	Farsi	NF 7440 IRA, ex 7455 VOA
2200-2300	English	NF 5895 PHT, ex 6105 VOA
2300-2400	English	NF 5895 UDO, ex 6105 VOA

(DX Mix—Bulgaria) see also **HUNGARY**

WMLK 9265 I had asked them when I would be able to hear them again.

They didn't mention when the shortwave would return to the air. Rather I was directed to the following link:

http://www.wmlkradio.net/wmlk_radio_streaming.htm

There is also a section on the site about **WMLK's** antenna damage.

http://www.wmlkradio.net/antenna_update.htm

"A recent ice and wind storm left our antenna damaged, as can be seen in the accompanying photos. We are waiting for conducive weather patterns along with the necessary supplies to repair the damage. You can listen to **WMLK** radio via our streaming page.

"We will be back on the air when the antenna is repaired. Meanwhile; we have sent the rectifier control cabinet section to be translated from German into English. This should be accomplished during February 2008. We are thankful to report the rectifier control cabinet translation from German to English has arrived! The translator did an excellent job and the **WMLK** BBC Engineer has his copy in hand. However; he advised us to accomplish the antenna repairs before his next visit.

"The insurance company said the antenna was covered, and they will pay the cost of repairs. Currently, the materials are being ordered for repair. Some of these have a lead time for manufacturing purposes. We have received the reflector grid replacement wire. As you can see in the picture, the reflector grid received substantial damage." (Hans Johnson May 15/Cumbre DX)

Effective 19th May **VOA** changes frequency for Asia:

1400-1530 English 9345 from Philippines
1530-1600 English 9345 from Sri Lanka

This replaces 15185 kHz at 1400-1500 hrs and 13735 kHz at 1500-1600 hrs. (May 17/Alok Dasgupta via <http://www.dxasia.info/Cumbre DX>)

Summer A-08 of **WEWN Global Catholic Radio**:

0000-0600 English 11520 EWN
0000-0800 Spanish 5810 EWN 11870 EWN
0600-0800 English 7570 EWN
0800-1100 English 9355 EWN
0800-1200 Spanish 7455 EWN 9920 EWN
1100-1400 English 11560 EWN
1200-1400 Spanish 7425 EWN
1200-2400 Spanish 17510 EWN
1400-1900 English 15855 EWN
1400-2400 Spanish 11550 EWN
1900-2200 English 17595 EWN
2200-2400 English 15665 EWN

(DX Mix—Bulgaria)

Frequency changes for **WYFR Family Radio**:

1400-1500 Punjabi NF 9405 ARM, ex 9850
1500-1700 Punjabi NF 11505 ERV, ex 9850
1600-1700 Urdu NF 9735 ARM, ex 11630
1700-1800 Urdu NF 11970 WER, ex 11785

Summer A-08 of **WYFR Family Radio** via TV Radio Waves(TRW):

0900-1200 En/Korean 9450 IRK
1000-1100 Japanese 7245 K/A
1000-1100 English 9900 IRK
1000-1200 Chinese 7430 A-A
1100-1200 Ilocano 9900 VLD
1100-1300 Tagalog/Indo 13850 VLD
1100-1500 Chinese 6135 IRK 9865 P.K
11725 P.K 12150 A-A

1200-1300 Indonesian 15490 NVS
1200-1300 Korean 5970 K/A
1200-1300 Cebuano 9465 IRK
1200-1400 Viet/English 11895 IRK
1200-1500 Indo/English 9615 IRK
1300-1400 English 13810 A-A
1300-1400 Burmese 11520 A-A
1400-1500 Gujarati 12055 SAM
1400-1500 English 7320 TCH 9365 TAC
13810 A-A

1400-1500 Nepali 7215 IRK
1400-1500 Punjabi 9405 ARM
1400-1500 Tamil 9625 NVS
1400-1500 Telugu 13590 SAM
1400-1500 Hindi 5845 DB
1400-1600 Bengali 7510 TAC
1400-1600 Kann./Marath 12075 SAM
1400-1600 Urdu 12065 ARM
1500-1600 Urdu 9500 NVS 12065 ARM
1500-1600 Marathi 11655 ARM 13665 KCH

1500-1600 English 7320 TCH
1500-1700 Punjabi/Urdu 11505 ERV
1600-1700 Punjabi 9735 ARM 11630 ARM

1600-1700 Hindi 5845 DB
1600-1800 Persian 7520 SMF
1700-1900 Russian 9495 TAC
1800-1900 German 7320 ARM
1800-1900 Polish 9615 SAM
1800-2000 Ar/English 7240 SAM
1900-2000 Italian 9490 MSK
1900-2000 Spanish 7340 MSK
1900-2000 German 7320 SAM
1900-2100 French 12060 ARM
2000-2200 English 7430 KCH

(DX Mix—Bulgaria)

VANUATU 7260 Radio Vanuatu, 0652, Apr 25, I have not heard them for a while, but weak-fair here with ID "Radio Vanuatu, good evening..." Bislama, in the clear. Certainly much reduced strength to what we are used to from this one, which is sometimes even heard at midday. (Seager-Australia via ARDXC/DSWCI DX-Window)

VATICAN CITY *Vatican Radio* changes from May 4:

0025-0040	Urdu	7335 9650 Mo/Th
0040-0100	Hindi	7335 9650
0100-0120	Tamil	7335 9650
0120-0140	Malayalam	7335 9650
0140-0200	English	9650

(K. Raja-India/Cumbre DX)

WRTH UPDATER WRTH Publications are pleased to announce that a file containing the Summer (A08) schedules for International and Clandestine/Target Broadcasters is now available for download from the WRTH website <http://www.wrth.com>. The pdf file runs to 104 pages and is 377kB. Included in the file are not only the broadcast schedules for 236 stations but also frequency listings and our broadcasts in "English, French, German, Portuguese and Spanish" section, both of which are derived from the schedules.

GOT STICKERS? Over the years, when you have your postal or email address out there month after month, you pile up your fair share of solicitations—"I live in a poor country, please send me a new receiver;" "I live in Russia, please send me fifty US dollars;" and, of course, "Please help me recover a large sum of money from my Nigerian bank." So it was a pleasure to finally get a request I can fulfill: this gentleman in Algeria collects radio station stickers, and wanted me to let you know he'd appreciate getting any of your extras. (His timing couldn't be better...I'd been making a little pile of mine and was considering putting them up on ebay, but the \$1.50 I'd probably clear from their sale is nowhere as satisfying as simply putting them into the hands of someone who would appreciate them!)

He is: Mr. Younes Lazazi

14 rue Maaza Boualem El-Harrach
16004 Algiers Algeria

Please note that the new email address for NASWA
and the LWCA is now

billoliver@verizon.net

Please begin using this new email address
immediately because the old Comcast address will
not be valid for much longer.

Pirate Radio Report

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

Hello and welcome to the June 2008 edition of the *Pirate Radio Report*! Summer conditions are fast approaching, meaning lots of static but longer days mean better evening reception of pirates. Despite the worsening of conditions, there is still a lot of pirating activity to be had on the bands!

Many thanks to the following fine folks who made this column possible: Mike Rohde-OH, Joe Wood-TN, George Zeller-OH and The NASWA Flashsheet.

Captain Morgan, logged on 6925 at 0243 UTC on May 19th. Program of rock mx by The Who mixed with the Outer Limits TV audio clips. [Zeller-OH]

CONELRAD Radio, 6925.2 USB, noted on May 23rd at 0010 to 0017 sign off. Signed on with air raid sirens. Mentioned that during an attack to tune to 640/1240 kHz, The CONELRAD Stations. Played Fujima Mama song sung by a YL. More instructions and then off. [Lobdell-MA]

Derby Shortwave, logged on 6925 USB from 0014 sign on until 0031 sign off on May 4th. SIO=242/342. Return for their annual bcst on the day of the Kentucky Derby. IS of bugle call to post. Three renditions of "My Old Kentucky Home" by OM singer. Replay of the TV audio call of the Kentucky Derby run earlier today EDT. Big Brown wins the horse race, but there is no discussion of the other horse that died on the track. Gave derbyshortwave@yahoo.com for reports. [Zeller-OH]

KBLU, an apparent new one, logged on 6925 kHz USB from 0305 UTC on May 11th. Electric Blues, sign off announcements with a computerized female voice. [Wood-TN]

MAC [Formerly MAC Shortwave], logged on 6850 AM mode on May 11th at 0035-0135 UTC. The Paul Star Show. Music by The Who, Secret Agent Man. [Rohde-OH]

Maple Leaf Radio, heard on 6925U signing on at 2058 until 2115 sign off on May 2nd. SIO=242/141. O Canada NA by band at open and close. Short program of rock, folk, and/or novelty music. Some discussion of BANAVA, whatever that is. Three clear IDs. Did not mention an address for reports. Good at peaks, but some fading problems. [Zeller-OH]

TCS-The Crystal Ship, logged on two frequencies 6700 in // with 5386 on May 19th at 0119-0243 UTC. Program of rock music with some Beatles and The Moody Blues. Ad for Obama and mention of the proposed gas tax holiday. [Zeller-OH]

WMJR Relay, noted on 6925 USB from 0355 sign on to 0404 sign off on May 18th. SIO=141. Very weak signal, but nevertheless audible. Mary Wells with My Guy and other rock oldies. At 0403 there was a clear WMJR 1470 ID by an OM. Luckily the ID came at a signal peak. The listed station on this freq with this call sign is in Lexington, KY. No ID or address for the relaying pirate. [Zeller-OH]

The Wave, logged on 6925 USB from 0106 past 0116 UTC on May 18th. Program of rock music including Riders on the Storm by the Doors, I'm Your Captain by Grand Funk Railroad, and other rock tunes. IDs during show by OM giving the Belfast address and mentioning the 6925 freq. [Zeller-OH]

Wolverine Radio, logged on 6925 USB from 2146 sign on until 2149 sign off on May 4th. Program of folk music with female singers such as Joni Mitchell, who sings "You Turn Me On, I'm a Radio." OM gives ID w/an echo effect at close. I still think that their ID sounds a lot more like "Long Range Radio" than it sounds like "Wolverine Radio" but I am going along with the majority by giving the ID as shown here. Gave no address. [Zeller-OH]

Happy Pirate DX!



QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787

CHANNEL AFRICA

RADIO + TELEVISION SERVICES

ABU DHABI: WYFR

7160 via
Dhabayya f/d
"Three Decades of Faithful Service"
cd. w/ two
stickers,
schedules &
Harold Camp-
ing litera-
ture in 6 ds.
from the CA

address. (D'Angelo-PA).

ANGUILLA: The Caribbean Beacon 6090 f/d cd. in 325 ds. for \$2.00. v/s Doris McSingleton (?) Addr: Caribbean Beacon, Attn: Reception Reports, PO Box 690, Anguilla, British West Indies. Email: beacon@anguillanet.com (Wood-TN).

COLOMBIA: La Voz de tu Conciencia 6010 f/d cd. in 4 mos. (Field-MI). **Marfil Stereo** 5910 f/d cd. w/ CD in 4 mos. My 64th and 65th shortwave QSL from Colombia. (Field-MI).

GERMANY: Voice of America 9865 via Wertachtal f/d "Satellites at Wertach-

STATION NOTES: IBB/VOA Relay Station Kuwait

11815 v/s George O. Miller, Transmitter Plant Supervisor. Addr: Kuwait Transmitter Station, P.O. Box 77, Safat 13001, Kuwait.

Kyrgyz Radio 4010 v/s K. S. Moldokasymov, President of the National Tele-Broadcasting Corporation. **Radio Bishkek** 5015

Addr: Blvd. Jash Gvardiyi 59, 720 010 Bishkek, Kirghiz Republic.

KWRN Nordland Radio 9290 v/s Felix Stein, DJ.

Addr: SRS Germany, Postfach 101145, D-99801 Eisenach, Germany...via PLAY DX...Sam.

SIGNAL RECEPTION REPORT
AND QSL REQUEST

Thank you for the report on your reception of our

transmission from the Meyerton Transmitter Station

DATE: 22.10.1995

TIME (UTC): 04:31:04

FREQUENCY: 3230 KHz

RADIORANJE

84 - 87 MHz STEREO

P. O. Box 7117

Blomfontein

9300

REPUBLIC OF SOUTH AFRICA



صدا و سیماي جمهوری اسلامی ایران



I.R.I.B.

Islamic Republic of Iran
Broadcasting

tal" cd. in 2 mos. for an email rpt. (Schiefelbein-MO). **The Overcomer** 13650 via Nauen (East Germany) T-Systems forwarded my rpt. to SC from where I rcvd. the QSL, Overcomer Magazine, schedule and other items. Station says the transmissions costs @ \$100,000 per month. (Field-MI).

KOREA, PEOPLES DEMOCRATIC REPUBLIC: Korean Central Broadcasting Station 2850 f/d cd. in 64 ds. The package of goodies included a copy of The Pyongyang Times, two nice looking 2008 calendars, program schedule and a Radio Pyongyang pennant. The person-

ГОЛОС РОССИИ
www.vor.ru



VOICE OF RUSSIA
letters@vor.ru

QSL Verification Card

Dear Matt Hendricks,

This verifies your report on the reception of the Voice of Russia's broadcast

in English

Date 27.07.2003

Time 03.07 UTC

Freq 11750 kHz

We invite you to continue listening. Please feel free to write again with comments or questions about our programming.

Best wishes from the Voice of Russia

al ltr. mentioned each of my previous rpts. and asked me to enter their upcoming writing competition. (D'Angelo).

LATVIA: Radio SWH (Latvia Today) 9290 via * Riga-Ulbroka frequency only cd. in 13 mos. for \$2.00 and a CD recording. Addr: Latvia Today Creative Team, c/o Radio SWH, Skanstes iela 13, LV-1013, Iga, Latvia. (Pogue-TN).

MOLDOVA: Voice of Russia 6240 via Kishin-you f/d "Kremlin Grand Place" cd. in 77 ds. (Wood-MA).

SRI LANKA: Deewa Radio 9390 via Iranawila

This QSL was on a label stuck to the rear of the VOA Wertachtal QSL cd. as noted earlier. I guess they did this to economize. (Schiefelbein-MO). I have a VOA QSL w/ 13 QSL labels on the rear. I guess your correct...Sam.

UKRAINE: Radio

Ukraine International 7440 f/d "Church" cd. w/ broadcast schedule and station stickers in 25 ds. (D'Angelo-PA).

BBC

thanks you for your reception report on their transmission from the Meyerton Transmitting Station

Date 7.11.02 Time (UTC) 0400

Frequency 6190 kHz

SENTECH

STATION NOTES: KJES 11715 Addr: The Lord's Ranch, 230 High Valley Road, Vado, NM 88072 **KVNS 1700** v/s John Munoz, Assistant Station Engineer. Addr: Clear Channel Radio, 901 East Pike Blvd., Weslaco, TX 78596. Email: DX@KVNS.com. **KWHR 11565** v/s L.W. Vehorn. WEB: www.whri.com/index.cfm/fa/receiveus Addr: World Harvest Radio, 61300 Ironwood Road, South Bend, IN 46614. **Herald of Truth Broadcast 7415** via **WBCQ** Addr: P.O. Box 1021, Harrison, AR 72602 WEB: www.kingidentity.com. **Good Friends Radio 9330** via **WBCQ** v/s C. Rod Hembree, President and Trudy Janes, Media Coordinator. Addr: P.O. Box 456, Orangeville, Ontario, Canada L9W 5G2...via PLAY DX...Sam.

USA: WSRC 4440 (3x1480)

* f/d prepared cd. in 11 ds. The Chief Engineer N5RC noted that the report "blew him away" Addr: WRSC, 12045 Andrew Jackson Hwy, Fair Bluff, NC 28439 (Parker-PA). **KTBN 15590** f/d "Antennas/ 7 Logo" cd. in 9 ds. for 2 ms. (Wood-MA).

We have a few leftover QSLs for next month.

Best of QSLing...



REDE BRASIL AMAZONIA DE COMUNICACAO

Belém, oct 18th of 2004

Dear Mr. George L. Glatzback,

We would like to register our satisfaction to answer your letter and we thank you listening to Rádio Clube, AM Radio station of the Rede Brasil Amazônia de Comunicação. For us, it is very gratifying to know people that get to tune in our Radio in such distant countries from Brazil and from our headquarters in Belém (Pará). We hope you continue tuning our Radio whenever you had opportunity.

We are also sending a pen of the Rádio Clube, as a demonstration of our satisfaction with your audience.

Best regards,

Scoreboard

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

This month we are highlighting our members' totals from South America. Ranking is based upon South American Countries Verified. This is your chance to show everyone how well you are doing. The next deadline is August 15th for the September 2008 issue of the Journal. The spotlight will be on Oceania.

Name, State	Total		S Am.		Best South American QSL
	C/H	C/V	C/H	C/V	
Dan Henderson, MD	249	245	15	15	La Voz de Eco Martinez
Marlin Field, MI	245	245	15	15	R. Apintie 4794 kHz (50 w.)
Jerry Berg, MA	244	244	15	15	R. Triunfal Evangelica (50 w.)
Harold Cones, VA	234	232	15	15	HCJB (100 w.)
Tom Williamson, ON	243	230	15	15	Falkland Is.
Steven R. Lare, MI	239	222	15	15	Falkland Is.
Chris Lobdell, MA	224	221	15	15	FIBS - Falkland Is.
Sheryl Paszkiewicz, WI	222	218	15	15	Falkland Is.
Ron Howard, CA	212	200	15	15	R. Patagonia
Stephen Leite, MA	209	191	15	15	Falkland Is.
Rich D'Angelo, PA	225	223	15	14	La Voz de Galapagos
Paul Buer, FL	219	208	14	14	R. Apintie (50 w.)
Jim Evans, TN	210	201	15	14	La Voz de Galapagos
Christos Rigas, IL	217	198	14	14	Falkland Is.
Jerry Klinck, NY	220	202	13	13	R. Naylamp
George Maroti, NY	206	200	13	13	R. America, Paraguay
Ross Comeau, MA	193	172	13	13	R. Apintie
James R. Renfrew, NY	189	161	14	13	R. El Espectador, Uruguay
Jerry Johnston, KY	209	141	15	13	R. Apintie (50w.)
Stephen Price, VA	193	174	12	11	R. Apintie
Allan R. Loudell, DE	192	167	12	11	SRS & R. Apintie, Surinam
Paul Brouillette, IL	148	121	12	11	R. Guetapuri, Colombia
Scott C. Newman, IN	148	113	13	11	R. El Espectador, Uruguay
Mark Humenyk, ON	169	148	13	10	HCJB
George L. Glotzbach, MN	154	136	11	10	R. Cancão Nova, Brazil
Bill Smith, MA	130	130	10	10	R. Apintie
Gary R. Neal, KS	137	127	11	10	HCJB 21455 kHz (500 w.)
Dan Srebnick, NJ	156	121	13	10	HCJB (100 w.)
Richard E. Lawrenson, RI	123	113	11	10	R. Dumerara, Br. Guiana
Jilly Dybka, TN	145	108	11	10	R. Rumbos
Bob Raymond, NH	175	150	13	9	R. Santa Cruz, Bolivia
Scott R. Barbour, NH	167	115	12	6	VO Guyana
Edward G. Stroh, IL	135	104	11	6	RAE, Argentina
Gary W. Froemming, AZ	184	44	15	4	CBV Time Station, Chile
Ken McCartney, OH	124	73	7	4	HCJB 1947 1st QSL
Don Jensen, WI	251	248			
Dan Robinson, MD	230	196			
Richard Bradley, MA	145	130			
David Turnick, PA	140	120			
John Mosman, WI	120	120			
Jerry Ervine, TX	110	60			



Tropical Band Loggings

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

- 2325 **AUSTRALIA VLBT** Tennant Creek 2008-2029 Pop songs w/ M DJ; talk; all unclear w/ QRN statics; poor; 4/12. (Serra-Italy) 1030-1100 Back w/ good sig of 70's rock mx after six weeks of poor NT sigs to SE Florida; //2310 Alice Springs not as strong; //2485 Katherine very weak; 5/12. (Wilkner-FL)
- 2850 **N. KOREA KCBS** Pyongyang 1124 W in KK w/ a similar mx mix to 3320 but not //; fair copy w/ more QRN than 3320; slight improvement toward lcl sunrise; stn assignment based solely on PWBR; 5/2. (Stremple-CA) 0950 Readable as band indicator; weak; 5/6. (Wilkner-FL)
- 3175.37h **UNIDENTIFIED** 0010 Harmonic noted here w/ strong sig; again at 0900; rpted less strong on Panhandle of Florida; 5/9. (Wilkner-FL)
- 3199.41s **U.S.A. WWCR** 0220-0235 Weak spurs from 3215; +/- 15.59 kHz; EE relg prgrmng; prg about systemic enzymes at 0230; 5/4. (Alexander-PA)
- 3230.59s **U.S.A. WWCR** 0220-0235 Weak spurs from 3215; +/- 15.59 kHz; EE relg prgrmng; prg about systemic enzymes at 0230; 5/4. (Alexander-PA)
- 3249 **HONDURAS R. Luz y Vida** San Luis 0256 SS ID including city & country into light vocal & piano mx; S5/fair; 5/10. (Wood-TN) 3250 0350-0355* M ancr in SS w/ buenos noches followed by anthem; strong 40dB sig; 4/4. (Parker-PA) 0320 EE musical selections & San Pedro Sula sermon; f-g; long time since I've heard this one; 4/13. (Field-MI) 3250.05 0240 Lcl vocal ballads at S9; 4/29. (Strawman-IA)
- 3279.8 **ECUADOR LV del Napo** Tena 1020-1040 Blasting in; unusually good sig; 5/12. (Wilkner-FL) 0405-0413 M w/ SS talks; 60dB sig; exc; 4/4. (Parker-PA)
- 3309.98 **BOLIVIA R. Mosoj Chaski** Cochabamba 0950-1000 W ancr w/ exotic mx & talk; this is the strongest & most consistent CP; 5/13. (Wilkner-FL) 0149-0201* (P); Lcl mx & unclear tlks; s/ off at 0201; "jet stream" like QRM similar to jamming; poor; 5/3. (Serra-Italy)
- 3315 **PNG R. Manus** Lorengau 1301-1317 (P); Anthem; NBC relay w/ nx in EE; EE DJ w/ mx in same; // 3335; 5/11. (Howard-CA)
- 3320 **N. KOREA KCBS** Pyongyang 1138 M in KK w/ mix of KK mx; mostly light operatic vocals & martial mx w/ an occasional pop ballad; not //2850; Excited M w/ nx at ToH; sig improved by 1223; stn assignment based solely on PWBR; 5/2. (Stremple-CA)
- 3320 **S. AFRICA R. Sonder Grense** Meyerton 0201-0210 (P); Slow pop songs alt w/ unclear talks; strong QRN & fast QSB; poor; 5/3. (Serra-Italy) 0355-041 M w/ nx & ID in Afrikaans at ToH; back to news; S7/fair; 5/18. (Wood-TN)
- 3320 **UNIDENTIFIED** 2245-2303 M & W w/ unclear tlk; mx; possible ID & more talk; QRM splats uyes; fast QSB; QRN statics; better in USB mode; poor; 4/25. (Serra-Italy) [R. Sondergrense via Meyerton often reported here-ed.]
- 3329.67 **PERU Ondas del Huallaga** Huánuco 1050-1100 Noted w/ flauta andina; off recently or have poor condxns prevented reception? 5/6. (Wilkner-FL)
- 3335 **PNG R. East Sepik** Wewak 1301-1310* (P); Anthem; NBC relay w/ nx in EE; EE DJ w/ mx in same; // 3315; 5/11. (Howard-CA)
- 3340 **HONDURAS HRMI** Tegucigalpa 0435-0441M & W w/ SS talks; 25dB sig; good; 4/4. (Parker-PA) 1105-1120 No longer leaving txmitter on w/ no audio as was the case several weeks ago; weak; 5/13. (Wilkner-FL) 1025 Relg mx; 5/16. (Wilkner-FL) 0402 (P); M w/ inspirational talk in SS; lots of dead air; S7/fair; 5/18. (Wood-TN)
- 3350 **COSTA RICA REE** Cariari 0315 Mainly M & W w/ SS talk; long time since I've heard this one; 4/6. (Field-MI)
- 3365 **PNG R. Milne Bay** Alotau 1141-1153 Surfacing out of the noise for about 10 minutes w/ W ancr in (P) Tok Pisin w/ usual PNG mix of island & Western pop tunes; this seems to be one of the toughest PNGs to hear here; p-f at peak; 5/1. (Schiefelbein-MO)
- 3375.1 **BRAZIL UNIDENTIFIED** 1000 Possibly back after a period of non-activity; 5/6. (Wilkner-FL) [R.Municipal?-ed.]
- 3385 **PNG R. East New Britain** Rabaul 1204 Nx in EE until 1215 then W hosting mx prg w/ mix of pop hits including the Back Street Boys at 1226; this is a first for me; fair w/ static; 5/2. (Stremple-CA) 1248-1324 (P); DJ in Tok Pisin w/ pops mx; not a relay of NBC & not //3315 or 3335; 5/11. (Howard-CA)
- 3390.1 **BOLIVIA Emisoras Camargo** Camargo 0010-0030 SS talk noted here; weak; seems to be following an irregular sked; 5/9. (Wilkner-FL) 3390.29 0000-0025 Seems active; noted several times last week; 5/16. (Wilkner-FL)

- 3390.2v UNIDENTIFIED 2340 SS vocal mx noted under band noise; v. weak; it's been years since I've heard anything on this freq; Emisora Camargo-Bolivia perhaps? 4/28. (Barbour-NH)
- 3560 N. KOREA V. of Korea Kujang 1152 Prg of KK mx w/ M b/w songs; some nx at ToH; strongest of the N. Korean stn this morning; not //3320 or 2850; stn assignment based solely on PWBR; 5/2. (Stremple-CA)
- 3810 ECUADOR HD2IOA 0556 (P); Time pips; sporadic & weak but definitely there; 4/20. (Stremple-CA)
- 3925 JAPAN R. Nikkei Tokyo-Nagara 1148 Prg of classical mx w/ M in JJ at ToH; blasting sig; exc; //6055 equally strong; 5/2. (Stremple-CA)
- 3934.92 UNIDENTIFIED 2003-2013 Pop songs; f-p; 4/3. (Serra-Italy)
- 3975 HUNGARY R. Budapest Jaszbereny 0457-0500* IS & multi-lingual "This is R. Budapest" ancmts; 60dB sig; in the clear & exc; 4/4. (Parker-PA)
- 3984.84 CROATIA Hrvatski Radio 0110-0214 Croatian talk; lcl mx; EE V. of Croatia at 0200-0214; v. weak w/ ham QRM; vg on //9925 & 7285-Germany; anced they would be bcng on both 7285 & 9925 until May 15 because of poor reception in N.Am; 5/10. (Alexander-PA) 3984.85 0200-0214 "Croatia Today" prg w/ nx, sports & wx in EE; IDs; weak; vg on //7285-Germany; SS at 0230; 4/26. (Alexander-PA) 3984.86 2345-0005 Euro-pop/ballads; Croatian nx at 0000; weak; not heard earlier at 2230 check; much stronger on //7285 & 9925-Germany; not usually heard on 3 freqs at once; 4/26. (Alexander-PA) 3984.88 2359-0010 Mx; W anc w/ ID ancment; time pips; another ID by M & nx thru 0005; mx break w/ ancments into politic cmntry; QRN statics; f-g; 4/5. (Serra-Italy)
- 4111.56 BOLIVIA R. Virgen de los Remedios Tupiza 0000-0010 Noted here w/ weak sig; 5/1. (Wilkner-FL)
- 4052.5 GUATEMALA R. Verdad Chiquimula 0530 Relg mx; strong sig; 4/19. (Wilkner-FL) 0350-0355 W anc in SS; relg mx w/ piano; banjo; M & W vocals; 50dB sig; exc; 4/23. (Parker-PA) 0430 Relg organ mx; strong sig; 4/27. (Wilkner-FL) 0412 Full ID w/ freq & contact info followed by gospel mx in both EE & SS; S9+10/vg; exceptional sig strength & quality for this stn; 5/18. (Wood-TN)
- 4409.77 BOLIVIA R. Eco Reyes 0051-0102 (P); Continuous SS mx w/ brief anc at 0059; right back to mx; v.weak under band noise; 5/10. (Barbour-NH) 4409.81 2359-0019 (P); Mx & M in SS w/ unclear tlk; better in LSB mode; fast QSB; ute & heavy static; p-v.poor; 4/25. (Serra-Italy)
- 4451.20 BOLIVIA R. Santa Ana Santa Ana de Yacuma 0015-0020 Noted here w/ weak sig; 5/1. (Wilkner-FL) 4451.23 0021 (T); LA songs; unclear tlk due to heavy statics & sporadic AROs; p-v.poor; 4/26. (Serra-Italy)
- 4605 INDONESIA RRI Serui 1223-1228 Pleased to still hear the Big 3 RRI on 60m this late in the season; if I monitor early enough. 4605, 4790 & 4870 were // as far as I could tell using only one receiver; in talk; W in studio; M on phone & 1226 into mx; 4605 & 4790 were about the same strength; 4870 a bit weaker; recheck at 1238; 4605 was in mx; 4790 in talk & 4870 gone; today's sunrise in Enid was 1146 UT; 4/24. (Hauser-OK)
- 4635 TAJIKISTAN Tajik Radio 1 Yangiyul 0020-0025 W anc in (P) RR; in the clear but weak; 4/28. (Parker-PA)
- 4699.34 BOLIVIA R. San Miguel Riberalta 0038-0143 (P); SS mx & talk by M & W (mostly unclear); brief flute mx break; more mx & talk; suddenly off at 0130 then on air again at 0132 w/ M anc; brief flute mx; ancments w/ (P) ID; QRN heavy statics; poor; 4/26. (Serra-Italy) 4699.3 0225-0231* Ancr w/ SS mx & listener call-ins; off at 0231 w/ no discernible ID or ancment; p-f; 4/22. (Barbour-NH) 4699 0135-0144 (P) Vocal rhythms & M anc in SS; v.weak.; 4/25. (Jensen-WI)
- 4716.6 BOLIVIA R. Yura Yura 0055 Lots of mx w/ excited cment; professional commercial sound was S8 on peaks; 4/29. (Strawman-IA) 4716.63 0111-0123 Up-beat mx w/ SS anc at 0115; still going at 0135 re-check; poor; 4/21. (Barbour-NH) 4716.68 0052-0103 (T); Mx; M anc b/w songs; QRM splats & AROs; poor-v.poor; 4/12. (Serra-Italy) 0144-0151 (P); M anc w/ mx & talk; flutes then s/on only [??-ed.] from 0150; QRN statics; sporadic ARO QRM; poor; 4/26. (Serra-Italy) 4716.73 S/on before 1000; as early as 0930 w/ good signals; rustic Bolivian mx; a favourite station here! S/on is often w/out ancments into beautiful Bolivian mx; 4/20. (Wilkner-FL) 4716.79 1005 T/in w/ usual exc. prg of mx; R8 synchro lock impressive; 5/6. (Wilkner-FL) 4716.8 2343-2348 SS mx; v.weak; 4/13. (Parker-PA) 0223 (P); Nice local mx w/ M anc in SS; poor; 4/26. (Taylor-WI) 0026-0031 M & W w/ SS talks; f-g; 4/28. (Parker-PA)
- 4732 UNIDENTIFIED 1110 Strong carrier as 60m band f/out here; possibly the off & on again Bolivian; Radio Universitaria, Cobija, Pando; at 0100 only the usual RTTY on 4732; 4/29. (Wilkner-FL)
- 4732.04 BOLIVIA R. Universitaria Cobija Pando 1105 0050-0110 Mx under constant RTTY; noted carrier on several times this week but band fading out; verified from Bolivia by Rogildo F. Aragão w/ complete ID; 5/2. (Wilkner-FL) 4732 Radio Universitaria seems off last twenty four hours; not very strong here this go around; history of brief activity; 5/4. (Wilkner-FL) 4732 1105 Also noted 2350-0000 and is presently bcng at 0005; mixing with the usual RTTY; 5/8. (Wilkner-FL)

- 4739.63 **VIETNAM R. Son La** Son La 1300-1340 (T); Tonal mx w/ both M & W ancrs; some kind of musical sig at 1329 & (P) stn ancrment; extremely poor sig both due to propagation & txmitter distortion; poor; 5/11. (Herr-CA) 4740 1220-1245 (P); Sounded like Vietnamese indigenous chanting/singing; phone conversations; 5/11. (Howard-CA)
- 4754.9 **BRASIL R. Imaculada Conceição** Campo Grande 0141-0152 Various PP ancrs w/ relig talks; p-f w/ CODAR; 4/22. (Barbour-NH) 4754.92 0149 Mix of pop-style vocals & interviews; good; sig lvl dropped after 0211; hindered by CODAR; 4/29. (Strawman-IA) 4754.94 0220 Prayers; Holy rosary; fair; 5/3. (Bernardini-Italy) 4755 0416-0424 M & W in PP; very beautiful slow mx w/ guitar & W vocal; 35dB sig; in the clear w/ exc. audio; 4/23. (Parker-PA) 0325 W speaking in PP; poor; 4/26. (Ronda-OK) 0310-0320 (P); M w/ either SS or PP EZL mx & several Buenas Dias' or the PP equivalent; partial ID at 0317 w/ "Immaculada" heard; S5/poor; 5/10. (Wood-TN)
- 4759.9 **LIBERIA ELWA** Monrovia 0627 (T); Non-stop contemporary Christian mx; (T) ID w/ ment. of Monrovia at 0700; 4/27. (Brandi-NJ)
- 4769.97v **NIGERIA R. Nigeria** Kaduna 1933-1948 M & W in native lang; monotonous lcl instrumental mx; QRM; p-f; 4/8. (Serra-Italy) 4770 2210-2241 Jazz/pop mx; W ancr w/ ID at 2232; 4/22. (Davidson-Slovakia)
- 4774.9 **PERU R. Tarma** Tarma 1005 Also noted at 1020; 1035 checks w/ one ID; good synchro locks on NRD535D & Drake R8; 5/6. (Wilkner-FL)
- 4775 **SWAZILAND TWR** Manzini 0405 M ancr w/ talk b/w occasional mx bits; relig mx; f-g but usual band QRN; 4/16. (Field-MI) 0425-0433 GG at t/in; followed by EE at 0430 w/ talks & mx bridges; sig peaks only 20dB but exc. audio clearly audible through fairly strong CODAR; 4/23. (Parker-PA) 0412-0435 M w/ relig talk in GG; alternating w/ choir vocals; ID by W at 0429 including e-mail address; lang change at 0430 w/ EE "Insights for Living" prg; good w/ slight CODAR; 5/1. (D'Angelo-PA)
- 4777 **GABON RTV Gabonaise** Libreville 0516-0521 M & W w/ FF talks; 60db sig; good; 4/4. (Parker-PA) 1839-1845 M in FF w/ nx & correspondents rpts; QRM splat; f-p; 4/17. (Serra-Italy) 0530-0540 Instrumental modern jazz into hi-life mx; M & W in FF; "blasting in"; 4/19. (Wilkner-FL) Station?? 0530 Talk & mx in FF; call-in prg I think as well; fair w/ significant static; 4/20. (Stremple-CA) {R. Gabon commonly reported here about this time-Ed FS#326} 0509-0527 FF ancr b/w EZL Afropop/hilife mx; several IDs in passing as "Radio National"; fair; 4/22. (Barbour-NH) 0522 Lively songs & DJ talk in FF; fair; 4/27. (Ronda-OK) *0459-0515 Rough s/on w/ bits & pieces of NA; talk at 0500 w/ low modulation & distorted audio; Afropop mx; FF pops/ballads; audio much better at 0527 check; 4/28. (Alexander-PA)
- 4780 **DJIBOUTI RTD** Arta 0302-0316 Call to Prayer at t/in; ancr w/ lengthy talk in AA; diff. ancr at t/out; poor under (P) ute of sorts; 4/22. (Barbour-NH)
- 4789.6 **PERU R. Nueva Atlantida** Iquitos *0955 Competing w/ 4790.10 Radio Vision-Peru at 1010; a good opportunity to use the IF notch; 4/24. (Wilkner-FL) 4789.64 0100 Noted using LSB mode to avoid het from Radio Vision; 5/10. (Wilkner-FL) 1040-1050 M ancr w/ en espanol; at 0950 R. Vision-4790.1 all alone; 5/12. (Wilkner-FL) 4789.7 1030-1100 M in SS; seems irregular; 5/16. (Wilkner-FL) 4790.09 0631 (P); Andean mx w/ M ancr in SS; no ID heard; R. Atlantida recently rpted back on 4790, very near the more usual R. Vision; I would guess this is R. Atlantida by content but I^om not sure which I heard; poor; 4/20. (Taylor-WI) 1020-1030 Noted here w/ weak signal; 4/27. (Wilkner-FL)
- 4790.06 **PERU R. Vision** Chiclayo 0328-0424 M w/ long SS relig sermon; M w/ enhanced relig ancrment at 0405; tlk over mx ment. "la palabra de Dios"; relig mx & tlk ment. Peru (poss. mensajes); loud-speaker relig prayer; strong slow jamming (prob. CODAR-ed.); QRN statics; p-f; 5/1. (Serra-Italy) 0140-0149 M w/ barely audible long prayer; "Gloria ! Gloria !.Aleluia !"; QRM slow jamming & strong "jet stream" QRN; better in USB; p-v.poor; 5/11. (Serra-Italy) 4790.10 PERU R. Vision Chiclayo 0430 Noted w/ no sign of Atlantida; dominant on freq at 1000-1020; 4/27. (Wilkner-FL) 0840; 0910 Noted here w/ strong sig; no sign of R. Nueva Atlantida; 5/16. (Wilkner-FL) 4790.2 0535-0555 M ancr in SS; long songs w/ M singing & playing guitar; sig only 30dB but in the clear & exc; 4/4; (Parker-PA) 0435-0438 M in SS preaching over PA system; 30dB sig w/ very loud audio; would have been exc. w/out CODAR; 4/23. (Parker-PA)
- 4799.83 **GUATEMALA R. Buenas Nuevas** San Sebastian 1145 M ancr in lang; good sig; lcl here; 5/10. (Wilkner-FL) 4799.83 1000-1015 M ancr in lang; decent sig strength using LBS mode; 5/17. (Wilkner-FL) 4799.78 0240-0251 (P); Unclear M w/ talk & brief mx; strong QRM het & QRN static; v.poor; 5/3. (Serra-Italy) 4799.77 1150 Noted under 4800-Mexico; R. Buenas Nuevas sig may be blocked out side of Guatemala? 4/20. (Wilkner-FL) 1020 Children's chorus under CODAR w/ 4800-Mexico off; fair; 4/27. (Wilkner-FL) 4799.7 0030-0050 Possibility that XERTA is cooperating as Mexican sometimes off when Buenas Nuevas is txmitting; f-g; 5/4. (Wilkner-FL) 4799.9 1041 Children's chorus in SS; p-f; 4/26. (Ronda-OK) 4799.95 0457-0503 W ancr in SS speaking w/ diff. W on telephone; in the clear in USB mode; sig only 15dB but total armchair copy; 4/23. (Parker-PA)

- 4800 MEXICO XERTA 0955-1010 (P); Testing? Continuous SS ballads thru ToH; p-f under band noise & mild CODAR; tnx R. Wilkner tip; 4/22. (Barbour-NH) 0950 Subdued sig then full strength from 1000; seems non-stop mx; v.strong FM quality sig here; 4/24. (Wilkner-FL) 1224 Big het; roughly 200 Hz; a bit below my memory of middle C=256 Hz; presumably R. Buenas Nuevas Guatemala & XERTA both on as others have reported XERTA reactivated & much stronger than before; some 3 hours earlier; same het still audible at 1239 recheck; 4/24. (Hauser-OK) 0541 W/ what others have called "romantic mx" but I detect a gospel-rock tinge to it; tho can't really follow the lyrics; plenty of CODAR but no het from Guatemala at this hour; never heard any ancments past 0616; 4/25. (Hauser-OK) 0430 Carrier only & again at 0930 re-check; 4/27. (Wilkner-FL) 0150 Modern gospel type songs in SS; clearly // to (though about 30 seconds ahead of) the streaming audio on the website; so definitely not R Buenas Nuevas; fair; 5/1. (Schieffelbein-MC) 0500-0800 Operating though lcl Mexican night; vocals & dance mx at 0600; 5/4. (Wilkner-FL) 0754-0815 Prg of "live" vocals w/ brief SS talks by M; fair but some CODAR QRM; 5/7. (D'Angelo-PA) 0835 Mexican vocals; strong sig; 5/17. (Wilkner-FL)
- 4804.98 BRAZIL R. *Dif do Amazonas* Manaus 0015-0032 W & M w/ PP tkl w/ musical breaks; M anc at 0030 w/ freq & "Radio Difusora...Manaus" ID; QRM via CPBS-4800 & slow jamming; QRN statics; p-f; 4/5. (Serra-Italy) 0054-0100* M w/ unclear talk ment. Brasil & W w/ brief choral mx breaks; ancment w/ (P) ID; s/off at 0100 as rptd in PWBR 2008; QRN heavy static; f-p; [date?-ed.] (Serra-Italy) 4805 2352-2355 PP mx; weak; would have been f-g if CODAR hadn't ruined it; 4/13. (Parker-PA) 0950 Noted here w/ strong sig; dependable sig every day; good; 5/12. (Wilkner-FL)
- 4805 PERU R. *San Juan* San Juan Bautista Ayacucho (T) 0948-0950 Noted briefly in SS; seemingly mixing w/ co-channel Brazil; per R. Aragão & L. Bobrowiec logs; 5/17. (Wilkner-FL)
- 4810.01 ARMENIA V. of Armenia Yerevan-Gavar 1800-1806 NA; ID ancment in Armenian ment. Yerevan; (P) nx; good; 4/15. (Serra- Italy) [Has this ever been rptd in NAM?-ed.]
- 4810.1 UNIDENTIFIED 0900-1030 Strong carrier w/ no audio; each day here; 5/17. (Wilkner-FL)
- 4814.95 ECUADOR R. *El Buen Pastor* 1045-1110 Ancr w/ "...el Padres en el corazon de Cristo..."; good sig each day but troubled by nearby ute QRM; 5/12. (Wilkner-FL)
- 4824.98 BRAZIL. UNIDENTIFIED 0043-0053 M w/ (P) futbol match; QRM het & QRN heavy static; f-p; 5/10. (Serra-Italy) [see below-ed.]
- 4824.99 BRAZIL R. *Educadora* Braganca 0113-0214* (P); M & M in PP w/ live futbol; "Gooooo!"; brief jingles; match cmentry; ancments; mx break; s/off at 0214; no clear ID but seems ment. Educadora during tkl; QRM; statics & QSB; fair; 4/20. (Serra-Italy) 4825 0029-0100* M & W tkl; mx break & 2 ancments continuous slow LA songs w/ M dj; enhanced ID & two ID/freq ancments at 0046; s/off ancment at 0100; strong het & slow jamming; QRN; better in LSB; p-f; 5/1. (Serra-Italy)
- 4824.52 PERU *LV de la Selva* Iquitos S/on b/w 1030-1044; first noted this morning at 1033; 4/20. (Wilkner-FL)
- 4825 BRAZIL R. *Canção Nova* São Paulo 0040-0045 M anc in PP w/ reverb; love songs; outstanding 45dB sig; armchair copy; 4/28. (Parker-PA)
- 4826.35 PERU R. *Sicuaní* Sicuaní 0950 Noted here; early for this OA; good; 5/12. (Wilkner-FL) 4826.45 *1025 Seems to consistently s/on before La Voz de la Selva; 4/24. (Wilkner-FL) 4826.48 0057 Long talks b/w M & W; fair; 5/3. (Bernardini-Italy) 4826.49 0152-0210 Two M w/ talk & lcl song; mx; sporadic CW QRM; QRN heavy static; p-v.poor, 5/11.(Serra-Italy)4826.52 0206-0239 (T); speedy M anc w/ talk b/w LA songs; (P) ID at 0214; TC; QRN heavy static; usual slow jam & sporadic CW QRM from 0237; poor; 4/26. (Serra-Italy)
- 4828 ZIMBABWE ZBC Gweru 2320-0000 Hilife mx; good; subsequent days poor; 90m band sig not in at all; 4/30. (Wilkner-FL)
- 4830 CHINA *China Huayi BC* 1321-1333 (P); Phone conversations in CC; fair;5/9. (Howard-CA)
- 4835.6 PERU R. *Maranon* Jaen 0238-0301Ballads w/ SS anc b/w selections; ad string; ID ancment at 0300; poor-weak; 4/22. (Barbour-NH)
- 4845.23 BRAZIL R. *Cultura Ondas Tropicás* Manaus 0116 Sports; good; 5/1. (Bernardini-Italy) 4845.24 0103-0133; M in PP w/ live futbol; other M w/ match cmentry & IDs during tkl; W anc w/ "Radio Cultura..." ID ancment; brief mx breaks; ID & TC at 0131 then continuing tkl; slight QSB & QRM splats; fair; 5/1. (Serra- Italy)
- 4845 MAURITANIA R. *Mauritainie* Nouakchott 0610-0624 The only decent non-N.Am sig on 60m w/ monotonous undermodulated chanting as always around this time; or rather there are several tones but not that many; this is ideally soporific for us; tho it's wake-up time in W.Africa; a bit of a mismatch; 5/10. (Hauser-OK)
- 4865 BRAZIL R. *Alvorada* Londrina 0507-0513 M in PP; weak; 4/23. (Parker-PA) 0045 (P); Songs non-stop; s/off at 0138 but no clear ID heard; fair; 5/3. (Bernardini-Italy)

- 4885 **BRAZIL R. Clube do Para** Belem 0517 Brazilian mx; lots of bass but good to listen to; ID at 0521; good sig for here w/ only medium static & CODAR interference; 4/20. (Stremple-CA) 0515-0520 Usual pops; echo ancrs & Clube do Para ancmnts in PP; rockcrusher 70dB sig; 4/23. (Parker-PA) 4885.01 0346-0402 LA songs w/ M ancr "musica madrugada"; ID ancmnt at 0358; slight statics; slow jam; fair; 4/10. (Serra-Italy) 0007-0039 M w/ live futbol; "Gooool!" w/ whistles; "Radio Clube" ID; match cmentry; jingle ID & mx; QRM het & QSB; 4/20. (Serra-Italy) 0322-0337 M ancr in PP w/ ID & echo effects; mx w/ heavy drum & bass lines; S5/poor; 5/10. (Wood-TN) 2339-0030 M ancr w/ PP talk b/w lively Brazilian mx & ballads; ID/freq ancmnt at 0029; best in LSB; slight co-ch QRM via (P) R. diff. Acreeana; QRN static; f-p; 5/11. (Serra-Italy)
- 4904.96 **CHAD RNT** N'djamena 1854-1925 AA mx & W w/ ancmnts; FF prg at 1900 w/ ID ancmnt & W ancr w/ nx in brief; M w/ ID/freq ancmnt; Afropops; politic ancmnts; QSB giving QRN; f-g; 4/8. (Serra-Italy) 4905 1952-2005 African mx; M ancr in FF; QRM at 2000 from what I think was a ute str; 4/22. (Davidson-Slovakia)
- 4905 **BRAZIL Nova Relogio** Rio de Janeiro 0145-0205 (T); M ancr in PP w/ EZL mx; possibly relg; (T) ment. of Nova Relogio at 0159 by M; good 40dB sig but strong static crashes; 4/4. (Parker-PA)
- 4905 **BRAZIL UNIDENTIFIED** 0250-0300* Lively PP songs; sudden off at 0300; perhaps either R. Anhanguera or Nova R. Relogio; Aoki lists Nova R. Relogio at 0300*; poor; 5/1. (Ronda-OK) [I believe R. Anhanguera now IDs as Nossa Radio-ed.]
- 4905 **BRAZIL R. Anhanguera** 0046-0050 M ancr in PP; commercial spots; slow song w/ W vocal; 40dB sig; exc; 4/28. (Parker-PA) 4905.01 0248 (P); Extended tlk by Mancr; reverb on audio; noisy band limited copy of details; 4/28. (Strawman-IA)
- 4905 **CHAD RNT** N'djamena 0521-0530 M in FF; hilife mx bridges; 80dB sig in the clear; exc. armchair copy; 4/23. (Parker-PA)
- 4909.76 **ECUADOR R. Chaskis** Otavalo 0047 (P); Ancr w/ SS talk; battling w/ WWCR spur & mild data QRM; poor; 4/21. (Barbour-NH)
- 4910 **AUSTRALIA VL8T** Tennant Creek 1030-1100 Mx from U2 & REM; 5/15. (Wilkner-FL)
- 4914.96 **BRAZIL R. Difusora de Macapa** Macapa 0043-0110 M ancr in PP w/ phone calls; romantic LA mx; ancmts & tlk w/ "Radio Difusora Macapa" ID ancmnts at ToH; mx; TC ment. Macapa; QSB & statics; fair; 4/20. (Serra-Italy) 0246-0317 M w/ talk b/w LA ballads; ancmnts & ID at 0304; M ancr w/ "musica madrugada!"; another ID ancmnt over mx; Bom Dias & listener phone calls; QRN statics; 4/26. (Serra-Italy) 0136-0247 Acoustic guitar mx b/w various ancrs; QSB; QRN statics & slow jam; fair; 5/1. (Serra-Italy) 4915 0215-0225 M in PP w/ echo; slow song w/ M vocal; huge 80dB sig; 4/4. (Parker-PA) 0112 Talks; fair; 5/1. (Bernardini-Italy)
- 4930 **BOTSWANA VOA** Moeping Hill 0439 In EE; // to 4960 w/ better sig to CA; 4/23. (Stremple-CA) 0300*-0320 Nx & Our World prg in EE; poor; 4/25. (Turnik-KOA WC) 0341-0410 VOA News prg in EE; TC at 0352 & Daybreak Africa prg ID at 0358 prior to "Today in History Segment."; ID at 0400 followed by nx; fair w/ CODAR; 4/29. (D'Angelo-PA)
- 4940 **SÃO TOME VOA** Pinheira 1959-2024 M ancr in EE w/ Afropops & disco mx; ID in passing; W & M w/ ID ancmnt; prg sked; URL; slight static; good; //4930-Botswana; fair w/ statics; 4/21. (Serra-Italy)
- 4950 **ANGOLA RN de Angola** Mulenvos 0323-0407 W ancr w/ PP talks hosting prg of pop vocals & tribal mx; M ancr at 0358 followed by time pips at 0400 & nx; poor; 4/23. (D'Angelo-PA) 0350 Poor w/ occasional peaks to fair w/ songs in PP; 4/26. (Ronda-OK) 0306-0336 Mx prg in PP; ID noted at 0314; p-f; 4/30. (Turnick-PA)
- 4950 **CHINA V of Fujiang** Shanghai 1212 M & W in CC w/ banter; //5075 & both good sigs w/ slight static; 4950 was slightly better & //3280 was v.poor; 5/2. (Stremple-CA)
- 4955 **PERU R. Cultural Amauta** Huanta 2325-2336 (P); Unclear tlk by M; QRN static; p-v.poor; 5/9. (Serra-Italy)
- 4960 **SÃO TOME VOA** Pineira 0433 Nx & discussion in EE of the recently completed PA primary elections; amazing that I learned about the winners via Africa & not from the Sacramento Bee! fair w/ static; 4/23. (Stremple-CA) 0531-0535 M speaking in FF; 50dB sig; exc; 4/23. (Parker-PA)
- 4965 **ZAMBIA CVC** Lusaka 2025-2055 Afropop; M w/ EE sermon; mx break & ancmnts; choir chant & pop songs; ID as "Radio Christian Voice" at 2049; better in LSB due to strong "jet stream" like QRN; fair; 4/15. (Serra-Italy)
- 4970 **INDIA AIR** Shillong 1245-1258 "This is the N.Eastern svc of All India Radio w/ our Western mx prg bcng from Shillong"; pop mx; 5/10. (Howard-CA)
- 4975.96 **UGANDA UBC** Kampala 1925-1952 M ancr in lang b/w Afropops; good; 4/3. (Serra-Italy) 1919-1951 Non-stop Afropops; no tlk heard; QRN heavy static & fast QSB; p-f; 4/21. (Serra-Italy) 4976 1912-1952 EE call-in show w/ pop mx; M ancr, "You are listening to UBC Radio" & "We keep it easy, we keep it cool"; various listeners calling in; talking w/ DJ; 4/20. (Davidson-Slovakia) 0337-0407 M ancr hosting selections of pop & African vocals; M ancr w/ EE nx at 0400; poor; 5/7. (D'Angelo-PA)

- 4985 **BRAZIL R. *Brasil Central*** Goiania 0116-0137 (P) M & W in PP b/w songs; static & slow jam; poor; 4/12. (Serra-Italy) 0257-0310 M w/ PP talk; ancments, LA mx; "Radio Brasil Central" ID ancment; sporadic CW QRM; slow jam & QSB; p-f; 4/20. (Serra-Italy) 0051-0102 M anc in PP; pops; commercial spots; ID & freq at ToH; 30dB sig; exc; 4/28. (Parker-PA) 0253-0321 M w/ live futbol; diff. M w/ match cmentry; jingles IDs w/ W & M ment. Goiana; more futbol cmentry; QRM slow jamming; fair; 5/1. (Serra-Italy)
- 4989.9 **PERU R. *Ancash*** Ancash 0537-0546 W anc in SS w/ back-to-back Motown hits; 40dB sig w/ exc. audio; outstanding armchair copy; 4/23. (Parker-PA) [ID? Ancash last heard Dec. 2006 per DSWCI DBS.-ed.]
- 4990 **SURINAME R. *Apintie*** Paramaribo 0452-0506 (P); Prq of continuous EZL ballads in (P) DD & EG oldies thru ToH; weak w/ bouts of band QRN; 4/22. (Barbour-NH) 0602-0645 Light pops; mostly vocals; occasional ancments in DD by M w/ ID at 0645; fair but deep fades & static lvls high; 4/25. (Jensen-WI)
- 5005 **EQUATORIAL GUINEA R. *Nacional*** Bata 2240-2256* Back on the air after several weeks silence w/ local African mx; s/off w/ NA at 2253; weak but readable; maybe 15190 will also return? 5/4. (Alexander-PA) 0520-0600 Afropop mx & SS talk; weak; 5/4. (Alexander-PA)
- 5005 **UNIDENTIFIED** 1829-1831 Pop song; M ancns chat in unid. lang; carrier only from 1831; slight QRN statics; p-f; 4/10. (Serra-Italy)
- 5009.8 **DOMINICAN REPUBLIC R. *Pueblo Santo Domingo*** 2353-0001* Lively Latin pop vocals w/ W anc & SS talk; ID followed by some guitar mx & another vocal; M at 0000 but carrier was cut while he spoke; p-f in noisy condxns; 4/30. (D'Angelo-PA) 5009.79 R. Cristal Int'l 2355-2359* SS talk & short breaks of SS mx; several "Radio Cristal" IDs; poor in noisy condxns; 5/2. (Alexander-PA)
- 5010 **MADAGASCAR RTV *Malagasy*** 1947-2008 M anc in FF w/ Afropops; jingle ID "Radio Madagascar"; prq in lang from 2000; statics; fair; 4/12. (Serra-Italy) *0258-0325 Whistling opening followed by M anc w/ ID & opening ancments in Malagasy lang; more whistling followed by M hosting mx prq; much of it tribal; fair; 4/24. (D'Angelo-PA) 0300*-0332 S/on w/ whistling followed by FF musical prgrmg; fair; 4/29. (Turnick-PA) 0314 Choral mx & DJ chatter b/w selections; fair; 4/30. (Ronda-OK) 0152-0220 Reduced carrier USB; lcl pop mx; choral anthem at 0200; Malagasy talk at 0202 followed by lcl mx; fair; 5/4. (Alexander-PA) 1838-1941 Non-stop slow lcl pop mx w/ M ancment; again at 1858; flute sound w/ choir jingle ID "Radio Madagascar" at 1900; Afropops from 1904, w/ mx jingle after each song; QRN statics; fair; 5/5. (Serra-Italy)
- 5015 **TURKMENISTAN *Turkmen Radio*** Ashgabat 1812-1833 Lcl vocal chant & instrumental mx; M anc w/ 1830 TC; W w/ ID & (P) nx; QSB & statics; p-f; 4/17. (Serra-Italy)
- 5025 **CUBA R. *Rebelde*** Havana 0510 Good SS mx from Cuba; very strong here as always; 4/20. (Stremple-CA) 0425-0432 Slow LA ballads; ancments ment. Havana Cuba; W & M ancns w/ local nx; strong QRN statics; p-f; 5/1. (Serra-Italy) 0340-0354 M & W reading listener letters & messages w/ address' & phone numbers; ballad; ancment; W w/ ID; back to prq; slight ute & QRN static; f-p; 5/8. (Serra-ITALY) 0232-0341M & W w/ mx pgm of up-beat mx & ballads & some W enhanced ancments; ID as Rebelde; QRN static; f-g; here in Roma, it's currently the strongest sig from LA; 5/11. (Serra-Italy)
- 5030 **CHINA CNR 1** Beijing 1420 Typical CC variety show w/ talk; laughter & some mx; nx at BoH; strong sig fading as morning continued; 4/25. (Stremple-CA)
- 5039.2 **PERU R. *Libertad*** Junin 1055-1057 (P); M w/ SS talk; v.weak in heavy static at noise threshold; may have changed to mx but sig too weak to be certain; 5/1. (Evans-TN)
- 5120.28 **PERU *Ondas del Surorient*** 0950 (P); Noted early for this OA after aperiod of being off the air; need LSB mode to avoid horrendous ute; 5/12. (Wilkner-FL)
- 5240 **TIBET *Xizang PBS*** Lhasa 2145-2212 Mx; M & W ancns in CC; 4/7. (Davidson-Slovakia) [Tibetan listed at this time-ed.]
- 5460.1 **PERU R. *Bolivar*** Bolivar 0110-0130 OA mx; f-g; 5/10. (Wilkner-FL)
- 5470.40 **PERU R. *San Nicolás*** Rodriguez de Mendoz 0120-0140 Mx & locator; 5/10. (Wilkner-FL)
- 5486.7 **PERU R. *Reyna de la Selva*** Chachapoyas 1100-1120 Noted here w/ one clear ID by locator; 5/9. (Wilkner-FL)
- 5580.19 **BOLIVIA R. *San Jose*** San Jose de Chiquitos 0130-0145 (T); Musica w/ fair sig; 5/10. (Wilkner-FL) 5580.2 0010 Noted here w/ mx; some ute QRM; 5/15. (Wilkner-FL)
- 5810 **USA *WEWN*** Vandiver 0222-0235 M w/ relg sermon in SS; mx & ID as "Radio Catolica Mundial"; ancments; tlk; W w/ reg pr re Santa Maria; fair; 4/20. (Serra-Italy)
- 5860 **KUWAIT? SRI LANKA? R. *Farda*** 0200-0212 Crash start w/ (P) nx headlines in listed Farsi; ID in passing at 0202 then usual format of pop-like mx b/w IDs; p-f at best; where does this originate from? Aoki lists Sri Lanka, DX Mix sked via A.Gupta at SW Central says Kuwait; 5/1. (Barbour-NH) ~~SW~~

International Band Loggings

5901-30000 kHz

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

- 5910v **COLOMBIA Marfil Estereo** via LV de tu Conciencia in SP 0146-0308, LA romantic songs, ID 0207, talks alt w/music, songs, and one rooster chant, religious sermon 0303, f-g (Serra ITALY 4/12)
- 5920 **RUSSIA R Rossii** via Petropavlovsk in RS 1231, jazz music hosted by cool jazz type DJ, lots of long songs w/contemporary sax/piano music, exc, //5940 Magadan, 7200 Yakutsk (Stremple CA 5/2)
- 5985 **MYANMAR Myanmar Radio** in BM/EG 1348, resumed broadcasting after being off for several days, mixture of pop, rap, ballads, and indigenous songs, into EG programming 1530 (Howard CA 5/8)
- 5995 **AUSTRALIA RA** Brandon in Tok Pisin 0938-1002, news rpts about HIV/AIDS, "Pacific Islands Forum", website, ID, native music, IDand IS at 0959, newscast, f (Barbour NH 5/4)
- 5995 **MALI RTV Malienne** in FR 2348-0000*, rustic African music w/anncr periodically shouting in FR over the music, ID 2359 and s/off ancmts prior to NA, f (D'Angelo PA 5/5) in FR 2314, talk between hi-life music, signal crushed at 2330 w/Cuba s/on at 6000, f-p (Barbour NH 4/22)
- 6000 **SINGAPORE Capital 95.8 FM** relay via RSI in CH 1430-1510, traditional CH opera, news, EZL mx, parallel w/audio streaming on the Internet (Howard CA 4/26)
- 6020 **AUSTRALIA R Australia** in Tok Pisin 1041, lengthy program re Aussie and int'l sports, website, sked, ID in EG and Tok Pisin 1054, pleasant island mx, TC, into EG 1100, f (Barbour NH 4/14) in Tok Pisin 1030, OM w/news about and for Papua/New Guinea, ID, rock mx, g (Fraser ME 4/13)
- 6035 **COLOMBIA LV del Guaviare** in SP 0004-0037, 2 OMs hosting news features, interview, brief L Am vocal, ID, p-f (D'Angelo PA 5/6) in SP 1038, ballads, IDs, promos, f-g, QRM (Schieffelbein MO 5/1)
- 6055 **JAPAN R Nikkei-1** Tokyo in EG/JP 0830-0900, "Let's Read the Nikkei Weekly" a mixture of EG/JP w/details re the nominee to head the Bank of Japan, features, ads, website, f (Howard CA 4/19)
- 6060 **CUBA R Nacional de Venezuela** via Havana in SP/EG *1100, mostly in EG, VP of Cuba has signed a food agreement with Chavez, history of the 2002 failed coup d'etat, IDs, f (Howard CA 4/26)
- 6120 **CANADA R Japan** relay via Sackville in EG 1210, news, ID, "What's Up Japan" (McGuire MD 4/29)
- 61348 **BOLIVIA R Santa Cruz** in SP 0008, Andean mx w/brief ancmts, interviewing kids? 0025 but mostly music, applause at live? event, decent signal w/some distortion and t/storm static (Hauser OK 5/11) in SP 0045-0116+, coverage of futbol match, p-f (D'Angelo PA 5/6) in SP 0100, four IDs on either side of 0105, men's choral group doing a rancho-style ballad to 0108 s/off, best ever reception at S-8 (Strawman IA 5/4) in SP 0044, lots of talk, wide variety of "musica popular Boliviana", clear IDs and fqy info 0106 (Ronda OK 5/3) t/in to SP closing ancmts w/several IDs followed by a local rancho tune to 0108*, good level but some QRM from Brazil station (Alexander PA 5/5)
- 6185 **BOSNIA HERZGOVENIA Int'l Radio of Serbia** via Bijeljina in EG *0000-0028*, opening music, ID, news, g (D'Angelo PA 4/17, McGuire MD 5/10)
- 6195 **NETHERLAND ANTILLES R Japan** relay via Bonaire in SP 0500, ID, news, report on conditions in Myanmar, mentioned John Negroponte, g (McGuire MD 5/11)
- 6973 **ISRAEL Galei Zahal** Tel Aviv in HB 1721, talks, current affairs, music, g, //15785 (Serra ITALY 4/16) In HB 0212, Joan Baez songs, talks but mostly music (Parker PA, Rohde OH, Bernardini ITALY)
- 6985 **USA WYFR Family Radio** Okeechobee, FL in FR 2345, Christian program, ID at 2359 s/off, very good S-9+ reception (Bauernhuber NY 4/19)
- 7245 **RWANDA Deut Welle** relay Kigali in EG 0409, talk re relief efforts in Myanmar, mentions of the unrest in Lebanon, armchair reception (Wood TN 5/10)
- 7250 **ARMENIA V of Russia** relay in EG *0100, IS, NA, rpt on Putin, ment Myanmar, g (McGuire MD 5/9)
- 7285nf **GERMANY V of Croatia** relay Nauen in CR 0111, Catholic chanting, announcement at conclusion, //9925 but weaker than 7285, per World Almanac Croatia is 77% Catholic (Hauser OK 4/27)
- 7295 **MALAYSIA Traxx FM** relay via RTM Kuala Lumpur in EG 1427-1510, "Jazz Selecta" program scheduled from 1400-1700, ancmts re upcoming jazz concerts, ID, "Experience the Excitement on 90.3, Traxx FM", 2 pips at 1500, TC, news headlines, f-p (Howard CA 4/15)
- 7345 **CZECH REPUBLIC R Prague** in EG 2238, report on Prague's famous main railroad station to have a shopping area, g, //9415 (Fraser ME 4/11)
- 7355 **ALASKA KNLS** Anchor Point in EG 0830, Carl Mann's DX tips at t/in, familiar format w/pop music, parables of sorts and listener testimonials, poor w/fading in and out (Barbour NH 5/16)
- 7440 **UKRAINE R Ukraine Int'l** Lviv in EG 0405, "Ukraine Today", NATO concerns, Bush speeches, US and Ukraine relations, development of atomic energy, vg (Branco NY 4/2) in EG 0350, excellent jazz music program, sked, at 0400 s/off, fair (Parker PA 4/14)

- 9400 PHILIPPINES *FEBC* Manila in CH 1235, lengthy talk, brief break and ancmt over music, chorals at 1258 followed by ID and more talk, fair at best (Barbour NH 4/29)
- 9420 GREECE *Foni Tis Helladas (V of Greece)* in GK 0743-0848, ID, non-stop GK folk and pop music and songs, TC, ID at 0800 and continued non-stop music, exc (Serra ITALY 5/1)
- 9515 BRAZIL *R Novas de Paz* in PT 2357-0031, gospel pops, ancmts, ID, frqs at TOH (Jensen WI 4/25)
- 9555 RWANDA *FEBA Radio* relay via Kigali in AR 1958, music, ID, talks, fair (Barbour NH 5/3)
- 9580 AUSTRALIA *R Australia* in EG 1115, report on Tibetan protests w/commentary by the Dalai Lama, g //6020 also good quality (Fraser ME 4/10)
- 9600 VATICAN CITY *VR* in CH *2200, IS, ID, bell chimes, religious program, g (McGuire MD 5/8)
- 9635 MALI *RTV du Mali* in AR/FR 1750-1758*, talk, chants, IS, ID in FR, f-g (Serra ITALY 4/16)
- 9675 GERMANY *IBRA Radio* relay via Nauen in Vernaculars 1941, talks, choral-like music, contact info for Bamako, Mali, wailing vocals & drums, changeover to different dialect 2000, f (Barbour NH 4/27)
- 9705 INDIA *AIR* Panaji (Goa) in EG *2343, IS, ID, Hindi vocals, news 0100, f (D'Angelo PA 5/5) in EG 2248, Hindi music and Ko'ran-like chanting, weak w/QRM from R Algiers (Barbour NH 4/10)
- 9720v PERU *R Victoria* Lima in SP 0435-0510, phone talk, NA and into SP music 0504, sermon, weak reception but better on //6019v (Alexander PA 4/28) ED: listed power of 9720 xmtr only 1 kw.
- 9745 ECUADOR *HCJB* Quito in SP 0400, program of Luis Palau, ID, TC, exc (Field MI 4/8)
- 9785 TURKEY *V of Turkey* in EG 1920*, news, ID, fgy, sked, IS at s/off, g (McGuire MD 4/21)
- 9800 MONACO *Trans World Radio* relay in EG 0732, religious program until ID and closedown at 0750, fair signal but deep fades (D'Angelo PA 5/7)
- 9875 LITHUANIA *R Vilnius* Sitkunai in EG 2337, feature re 1998 Lithuanian independence movement, ID 2344, report on private vs. state-run health care, Baltic Times article re "Fun Run" to raise funds for cancer center, s/off ancmt, ID, IS at 2358, co-channel CH jammer (Barbour NH 5/13)
- 9890 RUSSIA *V of Russia* via Samara in EG 1905, report on a new space station to be built in east Siberia, good, //12070 only fair (Fraser ME 4/12)
- 9925 GERMANY *V of Croatia* relay via Wertachtel in EG 2215, "Croatia Today" w/news, sports, weather, IDs, vg, //6165 weak, 7285 w/QRM from WYFR (Alexander PA 4/25)
- 9950 INDIA *AIR* Delhi in EG 1802, news, IDs, commentary, Indian vocals, f-g (Serra ITALY 4/11)
- 11665 CZECH REPUBLIC *R Prague* in EG 1029, fys, skeds, IS, IDs, news, sports and weather reports, music break, into political program, reception marred by CH jammer (Serra ITALY 4/19)
- 11690 LITHUANIA *R Vilnius* Sitkunai in EG 0032-0100, news, talk re pollution, trees in Poland, and people living in trailer homes, fair w/USB (Rohde OH 5/10)
- 11700 BULGARIA *R Bulgaria* Plovdiv in EG/BG 1141, "Keyword Bulgaria", IDs, into music program "Time Out for Music" (classic and disco), into BG 1159, vg, //15700 (Serra ITALY 5/10)
- 11705 CUBA *R Nacional de Venezuela* relay via Havana in EG 1201, informative short news and cmntry re President Chavez, blame US for the world's food shortage, into SP 1220, g (Turnick KOA:WC 4.26)
- 11715 ROMANIA *RRJ* Bucharest in EG 1726-1841, "Profile", ID BoH, RM folk music, f-g (D'Angelo 5/8)
- 11725 NEW ZEALAND *RNZI* in EG 2010, sports rx, ID, "Dateline Pacific", news, IS, f (Serra ITALY 4/8)
- 11735 TANZANIA *VOT Zanzibar* in EG/SH 1800, "Spice FM" feature, ID, news in EG 1811, into SH talk, local music, sign off noted on re-check at 2100, NA, f-g (Alexander PA 5/4)
- 11765 SWEDEN *R Canada Int.* relay via Hoerby in EG 2046, talk re careers as professional pilots, pop music, sports program, poor, //13650 Skelton, UK and 15235 Sackville, Canada (Evans TN 5/8)
- 11785 USA *Hmong Lao Radio* relay via WHRI Cypress Creek, SC in Hmong/Laotian 1304-1359, news with some words in EG (items re UNICEF, HIV, American embassy, New York verdict etc.), SE Asian mx and songs, good, // WHRI website, ID for WHRI at end of xmsn (Howard CA 4/27) weekends only
- 11820 SAUDI ARABIA *BSKSA* Riyadh in AR 2200, ID, pips, news, mentioned Iran, f (McGuire MD 5/1)
- 11920 ECUADOR *HCJB* Quito in PT/Kulina dialect 2245, just finishing inro in PT w/ID, chanting preacher in Kulina, 2248 Curitiba address, talk referring to Matthew XXIV and XXV, another ID at 2259 and back into PT (Hauser OK 5/10) ED: Kulina is spoken by about 4,000 people in Brazil and Peru.
- 11995 LIBYA *V of Africa* in EG 1940, vocals, long talk re Zimbabwe, flute, whistle, drum music, ID at 2000 and s/off, p-f (Ronda OK 5/10)
- 12080 AUSTRALIA *BBC* relay via Brandon in EG 2207, news re Pope's visit to USA, great signal for 10 kw output at Brandon (Strawman IA 4/16)
- 12085 RUSSIA *Trans World Radio* relay via Novosibirsk in Bengali 0028, talk over stringed instrumental with contact info and mention of TWR India, into Bhojpur service 0030, f (Barbour NH 4/14)
- 12135 PRIDNESTROVIE (Moldavian SSR) *Radio PMR* in EG/FR/GM *1400-1445*, commentary in EG to 1415 followed by FR to 1430 and into GM 1430, IDs at start of each segment, g (Fraser ME 4/23)
- 13630 UZBEKISTAN *CVC International* relay via Tashkent 1043-1059* in HD, banter and upbeat music, ID in passing 1049, s/off ancmt over jazz-like piano 1057, f (Barbour NH 4/26)

- 13630 MALI *China R Int'l* relay Bamako in EG 2100, ID, rpt on the Olympics, fair (McGuire MD 4/30)
- 13840 NEW ZEALAND *RNZI* in EG 0013, news w/emphasis on NZ events, local weather, financial report, good signal through static (Stremple CA 4/24)
- 15120 NIGERIA *V of Nigeria* Ikorodu in EG 2159, fanfare, ID at l/in, "60 Minutes" a program of news and views w/YL, OM, and outside reporters (Evans TN 5/8) in EG 1800, ID, news, rpt, p (McGuire 5/5)
- 15190 EQUATORIAL GUINEA *R Africa* Bata in EG 1910-2058, recorded fundamentalist religious talk and music, no ID b/w 30 min segments, reception ranged from good to extremely poor, f (Evans TN 4/13, Barbour NH 4/13) in EG 2202-2255*, pastor Tony Alamo, mailing address in Texas, phone/fax #'s, ID, E-mail address (Howard CA 4/14) in EG 2215-2250*, religious prgm, ID and E-mail at closedown, f-g audio (Alexander PA 4/16) no sign of R Africa after 4/17 which makes it seem that latest spurt of activity lasted seven days as happened earlier (Hauser OK)
- 15205 RWANDA *Deut Welle* relay via Kigali in EG 2130, "Arts on the Air", interview about conductor Paavo Jarvi of the Cincinnati Symphony Orchestra, program abruptly cut off at 2157 forcing listeners to quickly retune to //11865 for last 3 minutes of the program, 15205 signal best (Hauser OK 4/30)
- 15410 CHILE *CVC* International relay via Santiago in PT 1926, song, chats, ID, news in brief, QTH in Brazil, pop rock songs, talk, QRM slight co-channel, f (Serra ITALY 4/9)
- 15420 RWANDA *Deut Welle* relay in AR *2000, IS, ID, website, fqy, sked, news, good (McGuire MD 5/5)
- 15525 AUSTRALIA *HCJB Australia* Kununurra in EG 0022, interview discussion b/w two YLs, brief song at 0028, ID, sign off at 0030 (Ronda OK 4/27)
- 15785 ISRAEL *Galei Zahal* Tel Aviv in HB 1207, local pop songs w/OM DJ, f-g. //6973 (Serra ITALY 5/10)
- 17680 CHILE *CVC* International relay via Santiago in SP 1345, national, international, and Latin Am news, sports rpt, ID 1359 "See Vay See", f (Fraser ME 4/10) in SP 1730-1804, OM and YL chatting, ID, mx break, pop songs, mentioned Studio 4, into noticias, fair (Serra ITALY 4/10)
- 17690 PORTUGAL *Sudan Radio Service* relay via Sines in EG *1500-1600*, ID, "Let's Talk" program with discussion re local census, short breaks of African music, into AR at 1530, p-f (Alexander PA 4/26)
- 17800 HAWAII *KWHR Le Sea Broadcasting* relay via Naalehu in EG 0129-0215, "On the Rise" and "Call to Worship" features, fair w/big dropoff after 0200 (Rohde OH 5/11)
- 17830 ASCENSION ISLAND *BBC* relay in EG 1800, ID, pips, rpt on Myanmar cyclone (McGuire MD 5/8)

Clandestine/Opposition Stations

- 6155 UNITED KINGDOM *R Republica* relay via Rampisham in SP 0145, Janis Joplin songs performed by other American blues artists, ID and QSL info at 0155, exc audio (Parker PA 4/28)
- 6170 ETHIOPIA *V of the Tigray Revolution* via Mekele in Amharic *0255, IS, talk, Horn of Africa music, weak signal, //5950 p-f mixing w/Okeechobee Taiwan relay (Alexander PA 5/3)
- 6300 ALGERIA *R Nacional de la RASD* via Rabouni in SP 2346-0002*, political commentaries and music, closed w/ a band performance of Algeria's NA, g (Turnick PA 4/7) in AR 1823-1923, African and AR music, confirmed ID by checking live audio feed on website, f (Davidson SLOVAKIA 5/12)
- 9525 ASCENSION ISLAND *Star Radio* (Liberia) relay in EG 0710-0800*, "Liberia Today" news program, "CTN" IDs, into Vernaculars at 0737 to abrupt s/off, p-f (Alexander PA 5/9)
- 11530 UKRAINE *V of Mesopotamia* relay via Simferopol in Kurdish 0828, instrumental choir chant, ID "Denge Mesopotamia", OM talk w/piano in the background, g (Serra ITALY 4/12)
- 11610 MADAGASCAR *R Voice of the People* relay in EG/Vern 0405-0456*, talk in vernacular, IDs, short breaks of African music, into EG programming 0438 to s/off w/news and commentary, gave Zimbabwe and E-mail addresses, p-f but no sign of jamming (Alexander PA 5/10)
- 11690 AUSTRALIA *Nippon no Kaze* relay via Darwin in Korean *1501-1530*, music, fqy, sked, mention of Australia and Taiwan, interview, live report, soundbites, s/off ancmts and mx 1526 (Barbour NH 4/22)

Digital Reception

- 9790 CANADA *TDP Radio* relay via Sackville in EG 0000, dance music, lots of dropouts with S/N ratio about 18 dB, not quite strong enough for 21 kbps signal (Brandt NJ 4/22)

Times & Frequencies In English

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Compiled by Mike Barraclough from station schedules, monitoring observations and reported updates.

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

Abbreviations: /= target area divider, 1st< or >2nd half hour, Af= Africa, As= Asia, CA= Central America, 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

ALBANIA R TIRANA	0030-0045 NA	9390 Tuesday to Sunday
ALBANIA R TIRANA	0145-0200 NA	9390 Tuesday to Sunday
ALBANIA R TIRANA	0230-0300 NA	7425 Tuesday to Sunday
ALBANIA R TIRANA	0330-0400 NA	7425 Tuesday to Sunday
ALBANIA R TIRANA	1430-1500 NA	13640 Monday to Saturday
ALBANIA R TIRANA	1845-1900 Eu	6135 7465 Monday to Saturday
ALBANIA R TIRANA	2000-2030 Eu NA	7460 13600 Monday to Saturday
R NACIONAL ANGOLA	2100-2200 Af	7217
RAE ARGENTINA	0200-0300 NA	11710 Tuesday to Saturday
RAE ARGENTINA	1800-1900 Eu	9690 15345 Monday to Friday
AWR AFRICA	1800-1830 Af	3215m 3345m 9610m
AWR AFRICA	2000-2030 Af	9655m
AWR AFRICA	2100-2130 WAF	11955A
AWR ASIA	1030-1100 Eas	11780g
AWR ASIA	1130-1200 EAs	15460g
AWR ASIA	1200-1230 As	15435w
AWR ASIA	1330-1400 SEAs	15275g not Sunday/Wednesday
AWR ASIA	1500-1530 As	11985g
AWR ASIA	1530-1600 As	15225w
AWR ASIA	1600-1630 SAs	11805g 11985g
AWR ASIA	1630-1700 SAs	6155g
AWR ASIA	1730-1800 ME	9980g
AWR ASIA	2130-2200 As	11850g
AWR ASIA	2230-2300 As	15320g
HCJB AUSTRALIA	0000-0030 As	15525
HCJB AUSTRALIA	0730-0930 Pa	11750
HCJB AUSTRALIA	1230-1330 As	15540 Monday to Saturday
HCJB AUSTRALIA	1400-1430 As	15400 Sundays also on 15425
RADIO AUSTRALIA	0000-0100 As Pa	9660 12080 13690 15240 15415> 17715 17750 17775 17795
RADIO AUSTRALIA	0100-0200 As Pa	9660 12080 13690 15240 15415 17715 17750 <17775 17795
RADIO AUSTRALIA	0200-0400 As Pa	9660 12080 13690 15240 15415 15515 17750 17725
RADIO AUSTRALIA	0400-0500 As Pa	9660 12080 13690 15240 15415 15515 17750 17125
RADIO AUSTRALIA	0500-0600 As Pa	9660 12080 13690 15160 15240 15415> 15515 17750 17125
RADIO AUSTRALIA	0600-0700 As Pa	9660 11650 12080 13690 15160 15240 15415> 15515 17750

RADIO AUSTRALIA	0700-0800	As Pa	9475 9660 9710 11650 11945 12080 13630 15160 15240
RADIO AUSTRALIA	0800-0900	As Pa	9475 9580 9590 9710 11945 12080 13630
RADIO AUSTRALIA	0900-1000	As Pa	9475 9580 9590 11880 11945 12080
RADIO AUSTRALIA	1000-1100	As Pa	9475 9580 9590 11880 11945 12080
RADIO AUSTRALIA	1100-1200	As Pa	5995 6020 9475 9560 9580 9590 11880 11945
RADIO AUSTRALIA	1200-1300	As Pa	6020 9475 9560 9580 9590 11880 11945
RADIO AUSTRALIA	1300-1400	As Pa	6020 9560 9580 9590
RADIO AUSTRALIA	1400-1500	As Pa	5995 6080 7240 9475> 9590 11660>
RADIO AUSTRALIA	1500-1600	As Pa	5995 6080 7240 9475 9590 11660
RADIO AUSTRALIA	1600-1700	As Pa	5995 6080 7240 9475 9580 9710 11660
RADIO AUSTRALIA	1700-1800	As Pa	5995 6080 9475 9580 9710 11880
RADIO AUSTRALIA	1800-1900	As Pa	6080 7240 9475 9580 9710 11880
RADIO AUSTRALIA	1900-2000	As Pa	6080 7240 9500 9580 9710 11880
RADIO AUSTRALIA	2000-2100	As Pa	6080* 7240* 9500 11650 11660 11880 12080* *Sa/Sun
RADIO AUSTRALIA	2100-2200	As Pa	9500 9660 11650 11660 11695 12080 13630 15515
RADIO AUSTRALIA	2200-2300	As Pa	12010 13630 15230 15240v 15515 17785 17795
RADIO AUSTRALIA	2300-0000	As Pa	9660 12010 12080 13690 15230 <15240v 15415> 17750> 17785 17795

VOICE INT AUSTRALIA	0100-0300	SAs	11790T
VOICE INT AUSTRALIA	0300-0600	SAs	13680T 15515T
VOICE INT AUSTRALIA	0600-0900	SAs	15335 15515T
VOICE INT AUSTRALIA	0900-1100	SAs	15230
VOICE INT AUSTRALIA	1100-1800	SAs	13635

Weekday schedule:

RADIO AUSTRIA INT	0044-0059	LA	9870 Monday to Friday
RADIO AUSTRIA INT	0114-0129	CNA	9870 Tuesday to Saturday
RADIO AUSTRIA INT	0144-0058	NA	9870 Tuesday to Saturday
RADIO AUSTRIA INT	1205-1220	As Pa	17715 Monday
RADIO AUSTRIA INT	1205-1220	Eu	6155 13730 Monday
RADIO AUSTRIA INT	1215-1230	As Pa	17715 Tuesday to Friday
RADIO AUSTRIA INT	1245-1300	As Pa	17715 Monday to Friday
RADIO AUSTRIA INT	1245-1300	Eu	6155 13730 Tuesday to Friday
RADIO AUSTRIA INT	1505-1520	NA	13775c Monday
RADIO AUSTRIA INT	1515-1530	NA	13775c Tuesday to Friday
RADIO AUSTRIA INT	1545-1600	NA	13775c Monday to Friday

Weekend schedule:

RADIO AUSTRIA INT	0035-0058	LA	9870 Sunday and Monday
RADIO AUSTRIA INT	0105-0128	CNA	9870 Sunday and Monday
RADIO AUSTRIA INT	0135-0158	ENA	9870 Sunday and Monday
RADIO AUSTRIA INT	0505-0558	ME	17870 Sunday (except German News 0530-0535)
RADIO AUSTRIA INT	1205-1258	Eu/As Pa	6155 13730/ 17715 Saturday and Sunday (except German News 1230-1235)
RADIO AUSTRIA INT	1505-1558	WNA	13775c Saturday and Sunday (except German News 1530-1535)

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

VOICE OF AZERBAIJAN	1700-1730	ME	6110
RADIO BANGLADESH	1230-1300	As	7250
RADIO BANGLADESH	1745-1900	Eu	7250 9550
BELARUS RADIO MINSK	2000-2200	Eu	7105 7360 7390

RADIO BULGARIA	0200-0300	NA	9700 11700
RADIO BULGARIA	0630-0700	Eu	7200 9400
RADIO BULGARIA	1130-1200	Eu	11700 15700
RADIO BULGARIA	1730-1800	Eu	7200 9400
RADIO BULGARIA	2100-2200	Eu	5900 9700
RADIO BULGARIA	2300-2400	NA	9700 11700

RADIO CANADA INT	0000-0057	SEAs	11700x
RADIO CANADA INT	0100-0157	SEAs	9620E
RADIO CANADA INT	1500-1557	As	11675x 17720x
RADIO CANADA INT	1505-1905	NA	9515
RADIO CANADA INT	1800-1859	Af	9530x 11765u 17735 17810u
RADIO CANADA INT	2000-2059	Eu	11765H 13650 15235 17735
RADIO CANADA INT	2305-0005	NA	6105 (-0104 Tuesday to Saturday)

CHINA RADIO INT	0000-0100	NA/As/Eu	6020q 9570q/ 6075 6180 7180 11730> 11885 13750 15125/ 7130
CHINA RADIO INT	0100-0200	As	6075 6175 7180 9535 <11730 11870 15125 15785
CHINA RADIO INT	0100-0200	NA/Eu	6020q 9570q 9580h 9790c/ 9470
CHINA RADIO INT	0200-0300	As	11770 13640 15435>
CHINA RADIO INT	0300-0400	NA/As	9690e 9790h/11770 13750 15110 15120 15785

CHINA RADIO INT	0400-0500	NA/As	6020c 6080c 9755g/13750 15120 15785 17730 17855
CHINA RADIO INT	0500-0600	NA/Af/As	6020c 6190c/11710 17505/ 11880 15350 15465 17505 17540 17730 17855
CHINA RADIO INT	0600-0700	NA/Af/As	11710 17505 /11870 11880 13660 15140 15350 15465 17505 17540 17710
CHINA RADIO INT	0700-0800	Eu/As	13710q 17490 /11880 15350 15465 17540 17710
CHINA RADIO INT	0800-0900	Eu/As	13710q 17490 /11620 11880 15350 15465 17540
CHINA RADIO INT	0900-1000	Eu/As/Pa	15270 17490 17570 /11620 15350 17750 /15210 17690
CHINA RADIO INT	1000-1100	As/Pa	11610 11635 13620 13590 13720 15190 15350 17750 /15210 17490
CHINA RADIO INT	1000-1100	Eu/NA	17490/ 6040c
CHINA RADIO INT	1100-1200	Eu/NA/As	13650q 17490 / 6040c 11750c/ 5955 11650 11660 11795 13590 13645 13720
CHINA RADIO INT	1200-1300	As	5955 9460 9600 9645 9730 11650 11660 11690 11980 13645
CHINA RADIO INT	1200-1300	Eu/Pa	13650q 13790 17490 / 9760 11760
CHINA RADIO INT	1300-1400	NA/LA	9570h 9650c 15260c/15440 Chile
CHINA RADIO INT	1300-1400	As	5955 9730 9765 9870 11660 11980 13755
CHINA RADIO INT	1300-1400	Eu/Pa	13610 13790 / 9760 11760
CHINA RADIO INT	1400-1500	NA/As	13740h 15220c/ 5955 9765 9870 11675 11765
CHINA RADIO INT	1400-1500	Eu/Af	13710 13790 /13685c 17630c
CHINA RADIO INT	1500-1600	Eu/Af	11965 13640 / 6100n 13685m 17630c
CHINA RADIO INT	1500-1600	NA/As	13740h/ 5955 7160 7325 9800 9870
CHINA RADIO INT	1600-1700	Eu/Af/As	11940 11965 13760/ 6100n 9570 11900/ 6180 9760
CHINA RADIO INT	1700-1800	Eu/Af/As	6145 7335 9695 11940 13760/ 6100n 9570 11900 / 7130 7265 7315
CHINA RADIO INT	1800-1900	Eu	7120 9600 13760
CHINA RADIO INT	1900-2000	Af/As	7295 9435 9585 11710 17505/ 7295 9435
CHINA RADIO INT	2000-2100	Af	5985 7295 9440 11710 17505
CHINA RADIO INT	2000-2130	Af	11640c 13630c
CHINA RADIO INT	2000-2100	Eu	5960q <7160 7190 7285q 9600
CHINA RADIO INT	2100-2200	Eu/As/Af	5960q 6135 7190 7285q 9600/ 7295 9440 / 7325
CHINA RADIO INT	2200-2300	Eu/As	7175h/ 9590
CHINA RADIO INT	2300-0000	NA/As	5990h 6145c 9800 11840c/ 5915 7180 9610 11690
VOICE OF CROATIA	0300-0315	Eu NA	3985 9925N
VOICE OF CROATIA	0600-0605	Eu Pa	6165 9470w 11690w
VOICE OF CROATIA	1000-1003	Eu	9830
VOICE OF CROATIA	1600-1615	Eu	6165 Monday to Saturday (Sunday 1600-1605)
VOICE OF CROATIA	1805-1815	Eu	6165 Monday to Friday (Saturday 1805-1810)
VOICE OF CROATIA	2215-2230	Eu NA	3985 9925w
CUBA RADIO HAVANA	0100-0500	NA	6000 6180
CUBA RADIO HAVANA	0500-0700	NA	6000 6060 6180 9550 11760
CUBA RADIO HAVANA	2030-2130	NA	9505 11760
CUBA RADIO HAVANA	2300-0000	CA	9550
CZECH RADIO PRAGUE	0000-0027	NA	7345 9440
CZECH RADIO PRAGUE	0100-0127	NA	6200 7345
CZECH RADIO PRAGUE	0300-0327	NA	7345 9870
CZECH RADIO PRAGUE	0330-0437	NA/Af As	6080c/ 9445 11600
CZECH RADIO PRAGUE	0600-0627	NA	9955 via WRMI
CZECH RADIO PRAGUE	0700-0727	Eu	9880 11600
CZECH RADIO PRAGUE	0900-0929	As/Af	9880/ 21745
CZECH RADIO PRAGUE	0900-0929	NA LA	9955 via WRMI
CZECH RADIO PRAGUE	1030-1057	Eu/Af	9880/ 11665
CZECH RADIO PRAGUE	1300-1329	Eu As	13580 17540
CZECH RADIO PRAGUE	1400-1427	LA	9955 via WRMI
CZECH RADIO PRAGUE	1600-1627	Eu/Af	5930/ 17485
CZECH RADIO PRAGUE	1700-1727	Eu/Af	5930/ 17485
CZECH RADIO PRAGUE	2000-2027	Eu/As Pa	5930/ 11600
CZECH RADIO PRAGUE	2130-2157	NA/Af	9410/ 11600
CZECH RADIO PRAGUE	2230-2257	NA	7345 9415
CZECH RADIO PRAGUE	2300-2327	NA	9955 via WRMI
EGYPT RADIO CAIRO	0200-0330	NA	7270
EGYPT RADIO CAIRO	1215-1330	sAs	17835
EGYPT RADIO CAIRO	1600-1800	Af	12170
EGYPT RADIO CAIRO	1900-2030	wAf	9300
EGYPT RADIO CAIRO	2115-2245	Eu	11550
EGYPT RADIO CAIRO	2300-0030	NA	9280
EQ GUINEA R AFRICA	0700-1200	Af	15190 Monday to Friday (Saturday, Sunday 0600-1330)
EQ GUINEA R AFRICA	1700-2300	Af	15190
Transmissions Irregular			
RADIO ETHIOPIA	1600-1700	Af	7165 9560

RADIO FRANCE INT	0400-0430 eAf	9805 11995 Monday to Friday
RADIO FRANCE INT	0500-0530 eAf	13680 15160 Monday to Friday
RADIO FRANCE INT	0600-0630 eAf	11725 15160 17800 Monday to Friday
RADIO FRANCE INT	0700-0730 wAf	13675
RADIO FRANCE INT	1200-1230 Af	17800
RADIO FRANCE INT	1600-1700 Af	15605 17605

Schedule valid until September 6

RADIO FRANCE INT	0400-0430 eAf	9805 11995 Monday to Friday
RADIO FRANCE INT	0500-0530 eAf	11995 13680 Monday to Friday
RADIO FRANCE INT	0600-0630 eAf	9765 15160 17800 Monday to Friday
RADIO FRANCE INT	0700-0730 wAf	13675 Monday to Friday
RADIO FRANCE INT	1200-1230 Af	21620
RADIO FRANCE INT	1600-1700 Af	15605 17605

Schedule valid from September 7

GERMANY D WELLE	0000-0100 sAs	9885f 15595r 17525r
GERMANY D WELLE	0300-0400 As	13770r 15595d
GERMANY D WELLE	0400-0500 Af	7225u 7245k 12945d 15445l
GERMANY D WELLE	0500-0530 Af	9700k 9825m
GERMANY D WELLE	0600-0630 Af	7310s 15275k
GERMANY D WELLE	0900-1000 As	15340S 17705l
GERMANY D WELLE	1600-1700 As	6170f 9540f 15640u
GERMANY D WELLE	1900-1930 Af	9565l 11795u 17860s
GERMANY D WELLE	2000-2100 Af	6150k 11795f 11865u 15205u
GERMANY D WELLE	2100-2200 Af	9735u 11865k 15205k

VOICE OF GREECE	2305-0000 Eu NA Af	7475 9420 15650 Sunday
VOICE OF GREECE	0600-0700 Eu	11645
VOICE OF GREECE	0905-1000 Eu As Pa	9420 15630 Sunday

KTWR GUAM	0800-0835 Pa	11840 Monday to Friday (Saturday -0815)
KTWR GUAM	0830-0900 sAs	15170 Monday (Wednesday 0820-0900)
KTWR GUAM	1355-1500 SAs	9975 Tuesday, Wednesday (-1430 Monday, Thursday and Friday)

All INDIA RADIO	1000-1100 Pa As	7270 13695 15020 15260 15410 17510 17800 17895
ALL INDIA RADIO	1330-1500 sAs	9690 11620 13710
ALL INDIA RADIO	1745-1945 Eu Af	7410 9445 9950 11620 11935 13605 15075 15155 17670
All INDIA RADIO	2045-2230 Eu Pa	7410 9445 9910 9950 11620 11715
ALL INDIA RADIO	2245-0045 As	9705 9950 11620 11645 13605

VOICE OF INDONESIA	0200-0300 As Am	9525
VOICE OF INDONESIA	0800-0900 As Am	9525
VOICE OF INDONESIA	2000-2100 Eu	11785

Station changes frequency erratically, uses one of 9525, 11785 and 15150 for its broadcasts.

VoIR IRAN	0130-0230 NA	7235 9495
VoIR IRAN	1030-1130 seAs	15600 17660
VoIR IRAN	1530-1630 seAs	7375 9600
VoIR IRAN	1930-2030 Eu/Af	6000L 6205 7205 / 9800 9925

IRELAND	1500-2230 Eu	3910 6295 12255 Reflections Europe Sunday
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IRRS	0930-1200 Eu ME Af	9510 Sunday
IRRS	1800-2000 Eu ME Af	7290 Friday, Saturday, Sunday

European Gospel Radio, transmitter believed to be in Slovakia

RADIO JAPAN	0000-0020 Eu/NA/As	5960w/ 6145c/13650 17810
RADIO JAPAN	0500-0530 Eu/NA/Af	5975w/ 6110c/11970F
RADIO JAPAN	0500-0530 Af/As	11970F/15325
RADIO JAPAN	0900-0930 As/Pa	11815 15590 / 9625 9825
RADIO JAPAN	1200-1230 NA/Eu/As	6120c/17585d/ 9695
RADIO JAPAN	1200-1230 Pa	9625
RADIO JAPAN	1310-1340 As	11985
RADIO JAPAN	1400-1430 Eu/NA/Af	13630u/11705c
RADIO JAPAN	1400-1430 Af/As	21560F/11985
RADIO JAPAN	2200-2220 Pa	13640

RADIO JORDAN	1600-1730 Eu NA	11690
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Transmissions not monitored in AOB by mid-May deadline

KOREA KBS WORLD R	0200-0300 LA	9580
KOREA KBS WORLD R	0230-0300 NA	9560c

KOREA KBS WORLD R	0800-0900	As	9570
KOREA KBS WORLD R	1200-1300	NA	9650c
KOREA KBS WORLD R	1300-1400	As	9570 9770
KOREA KBS WORLD R	1600-1700	Fu	9515
KOREA KBS WORLD R	1800-1900	Eu	7275
KOREA KBS WORLD R	2200-2230	Eu	3955u
VO KOREA PYONGYANG	0100-0200	As/LA	7140 9345 9730/ 11735 11760 15180
VO KOREA PYONGYANG	0200-0300	seAs	13650 15100
VO KOREA PYONGYANG	0300-0400	As	7140 9345 9730
VO KOREA PYONGYANG	1000-1100	seAs/LA	11735 13650/ 11710 15180
VO KOREA PYONGYANG	1300-1400	Eu/NA	13760 15245/ 9335 11710
VO KOREA PYONGYANG	1500-1600	Eu/NA	13760 15245/ 9335 11710
VO KOREA PYONGYANG	1600-1700	ME Af	9990 11545
VO KOREA PYONGYANG	1900-2000	ME Af	7100 9975 11535 11910
VO KOREA PYONGYANG	2100-2200	Eu	13760 15245
RADIO KUWAIT	0500-0800	SAs	15110
RADIO KUWAIT	1800-2100	Eu	11990
LAOS LNR Vientiane	0600-0630	As	7145
LAOS LNR Vientiane	1330-1405	As	7145
LATVIA Latvia Today	0700-0800	Eu	9290 Saturday
LATVIA Latvia Today	1500-1600	Eu	9290 Sunday
Times of transmission variable			
LIBYA VO AFRICA	1400-1600	Af	17725 21695
LITHUANIA R VILNIUS	0030-0100	NA	11690
LITHUANIA R VILNIUS	0830-0900	Eu	9710
LITHUANIA R VILNIUS	2330-0000	NA	9875
VOICE OF MALAYSIA	0600-0830	As Pa	6175 9750 15295
MOLDOVA	1400-1515	Eu	12135 Radio Pridnestrovye Monday to Friday
MOLDOVA	1445-1500	Eu	12135 Radio Pridnestrovye Monday to Friday
MOLDOVA	1530-1545	Eu	12135 Radio Pridnestrovye Monday to Friday
MOLDOVA	1615-1630	Eu	12135 Radio Pridnestrovye Monday to Friday
MOLDOVA	2215-2230	NA	6040 Radio Pridnestrovye Monday to Friday
MOLDOVA	2300-2315	NA	6040 Radio Pridnestrovye Monday to Friday
VOICE OF MONGOLIA	0930-1000	As	12085
VOICE OF MONGOLIA	1530-1600	As	12085
TWR MONTE CARLO	0700-0750	Eu	6105w 9800 (Saturday 0715-0750, Sunday 0645-0820)
RADIO NEPAL	0215-0230	As	5005
RADIO NEPAL	1415-1425	As	5005
RADIO NETHERLANDS	0000-0200	NA	9845b
RADIO NETHERLANDS	0400-0500	NA	6165b
RADIO NETHERLANDS	1000-1100	As	11895t 12065r 13820r 15110P
RADIO NETHERLANDS	1400-1600	As	58300 9885t 11835t
RADIO NETHERLANDS	1800-1900	Af	6020t 15535w
RADIO NETHERLANDS	1900-2000	Af	5905t 7425t 15535w
RADIO NETHERLANDS	2000-2100	Af	5905t 7425t 17810b
NETHERLANDS KBC	2130-2230	Eu	6055L
NETHERLANDS KBC	0200-0300	NA	6110L Sunday
RADIO NEW ZEALAND	0159-0458	Pa	15720
RADIO NEW ZEALAND	0459-0658	Pa	11725 (scheduled change to 9615 end of May)
RADIO NEW ZEALAND	0659-1058	Pa	7145
RADIO NEW ZEALAND	1059-1258	Pa	9855
RADIO NEW ZEALAND	1300-1550	Pa	6170
RADIO NEW ZEALAND	1551-1850	Pa	7145
RADIO NEW ZEALAND	1851-1950	Pa	9615
RADIO NEW ZEALAND	1951-2050	Pa	11725
RADIO NEW ZEALAND	2051-2240	Pa	15720
RADIO NEW ZEALAND	2241-0158	Pa	13840

VOICE OF NIGERIA	0500-0700	Eu Af	15120
VOICE OF NIGERIA	1000-1530	Af	9690
VOICE OF NIGERIA	1700-2100	Eu Af	15120
RADIO OMAN	1400-1500	Eu	15140
RADIO PAKISTAN	1100-1104	Eu	15100 17835
RADIO PAKISTAN	1600-1615	Af ME	9385 11570 15625
RADIO PILIPINAS	0200-0330	As	11880 15285 15510
PHILIPPINES FEBC	1000-1030	As	15325
POLAND R POLONIA	1200-1300	Eu NA	7330N 9525w
POLAND R POLONIA	1700-1800	Eu	7140J 7265w
RADIO ROMANIA INT	0000-0100	NA	9775 11790
RADIO ROMANIA INT	0300-0400	NA SAs	6150 9645 9735 11895
RADIO ROMANIA INT	0530-0600	Eu Pa	9655 11830 15435 17770
RADIO ROMANIA INT	1200-1300	Eu	11875 15220
RADIO ROMANIA INT	1700-1800	Eu	9535 11735
RADIO ROMANIA INT	2030-2100	Eu NA	9515 11810 11940 15465
RADIO ROMANIA INT	2200-2300	Eu NA	7185 9675 9790 11940
VOICE OF RUSSIA	0100-0200	NA	7250 9665 13775 15425
VOICE OF RUSSIA	0200-0300	NA	9480 9665 9860 13775
VOICE OF RUSSIA	0300-0400	Eu/NA	9435 9480 9665 9800 9860 12065 13635 13775
VOICE OF RUSSIA	0400-0500	NA	9435 9665 9800 9860 13635 13775
VOICE OF RUSSIA	0500-0700	Pa	17635 21790
VOICE OF RUSSIA	0700-0900	As/Pa	17495 17635 21790
VOICE OF RUSSIA	1400-1500	As	7165 7255 9745 11755 15605 15660
VOICE OF RUSSIA	1500-1600	Eu/As	12040/ 4965 4975 9625 9660
VOICE OF RUSSIA	1600-1700	Eu/Af	9890/ 11985 13855
VOICE OF RUSSIA	1600-1700	As	4975 6070 7350 9405 11985 12055 12120 13855
VOICE OF RUSSIA	1700-1800	Eu	7340* 9820* 9890 9575* 11675* * = Sat, Sun
VOICE OF RUSSIA	1700-1800	Af/As	9850 11510 11985 13855/ 4975 7350 9405 9850
VOICE OF RUSSIA	1800-1900	Eu/Af	9890 11630/ 9745 9850 11510
VOICE OF RUSSIA	1900-2000	Eu	7310 9890 12070
VOICE OF RUSSIA	2000-2100	Eu	9890 12070
5900 replaces 9800 to North America from August 1 at 0300-0500			
From September 7 the European evening schedule is			
VOICE OF RUSSIA	1500-1600	Eu	9810
VOICE OF RUSSIA	1600-1700	Eu	9890
VOICE OF RUSSIA	1700-1800	Eu	6000* 7320* 7340* 9820* 9890* * = Sat, Sun
VOICE OF RUSSIA	1800-1900	Eu	9480 9890
VOICE OF RUSSIA	1900-2000	Eu	7195 7310 9890
VOICE OF RUSSIA	2000-2100	Eu	7195 9890
S ARABIA R RIYADH	1000-1230	As Eu	15250
INT RADIO SERBIA	0000-0030	Eu NA	6185 Monday to Saturday
INT RADIO SERBIA	0100-0130	Eu NA	6185 Monday to Sunday
INT RADIO SERBIA	1300-1330	Eu	7200 Monday to Sunday
INT RADIO SERBIA	1830-1900	Eu	6100 7200 Monday to Sunday
INT RADIO SERBIA	2100-2130	Eu	6100 7200 Monday to Sunday
RADIO SINGAPORE INT	1100-1400	As	6080 6150
RADIO SLOVAKIA INT	0100-0130	NA LA	5930 9440
RADIO SLOVAKIA INT	0700-0730	Pa	9440 11650
RADIO SLOVAKIA INT	1630-1700	Eu	5920 6055
RADIO SLOVAKIA INT	1830-1900	Eu	5920 6055
S AFRICA CHANNEL AF	0300-0400	Af	3345 6135
S AFRICA CHANNEL AF	0400-0500	Af	3345
S AFRICA CHANNEL AF	0500-0600	Af	7230 9735
S AFRICA CHANNEL AF	0600-0700	Af	7230 15255
S AFRICA CHANNEL AF	0700-0800	Af	7230
S AFRICA CHANNEL AF	0800-1200	Af	9625
S AFRICA CHANNEL AF	1400-1500	Af	9625
S AFRICA CHANNEL AF	1500-1600	Af	9625 15215
S AFRICA CHANNEL AF	1700-1800	Af	15235
S AFRICA CHANNEL AF	2000-2200	Af	3345

S AFRICA R LEAGUE	0800-0900	sAf cAf	7205 17570 Sunday
S AFRICA R LEAGUE	1900-2000	sAf	3215 Monday
REE SPAIN	0000-0100	NA	6055
REE SPAIN	2000-2100	Eu Af	9690 11625 Monday to Friday
REE SPAIN	2100-2200	Eu	9840 Saturday and Sunday
SLBC SRI LANKA	0100-0330	As	6005 9770 15745
SWAZILAND TWR	0430-0500	Af	3200 4775 Monday to Friday
SWAZILAND TWR	0500-0800	Af	4775 6120 9500
SWAZILAND TWR	0600-0645	Af	11640m (-0615 Saturday and Sunday)
SWAZILAND TWR	0800-0900	Af	6120 9500
SWAZILAND TWR	1700-2030	Af	3200
SWAZILAND TWR	1730-1900	Af	9500
RADIO SWEDEN	0130-0200	NA	6010c
RADIO SWEDEN	0230-0300	NA/As Pa	6010c 11550t
RADIO SWEDEN	1230-1300	NA	15240
RADIO SWEDEN	1330-1400	As Pa	15735
RADIO SWEDEN	1430-1500	Eu As Pa	13820
RADIO SWEDEN	1430-1500	NA	15240c
RADIO SWEDEN	1530-1600	Eu/NA	11590
RADIO SWEDEN	1730-1800	Eu	6065(Wed, Th, Fri only)
RADIO SWEDEN	2030-2100	Eu	7395t
RADIO SWEDEN	2130-2200	Eu/ As Pa	6065/ 7420t
SYRIA R DAMASCUS	2005-2205	Eu NA	9330 12085
R TAIWAN INT	0100-0200	As	11875
R TAIWAN INT	0200-0300	NA	5950f 9680f
R TAIWAN INT	0300-0400	NA/LA/As	5950f/15215f/15320
R TAIWAN INT	0700-0800	NA	5950f
R TAIWAN INT	1100-1200	SEAs	7445 11715
R TAIWAN INT	1600-1700	As	11550 11600F(from Sep 7) 15515F (to Sep 6)
R TAIWAN INT	1700-1800	Af	11705F
R TAIWAN INT	1800-1900	Eu	3965F
R TAIWAN INT	2200-2300	Eu	15600f
TAJIKISTAN VO TAJIK	0900-1000	ME	7245
TAJIKISTAN VO TAJIK	1700-1800	ME	7245
RADIO THAILAND	0000-0030	Af	9680
RADIO THAILAND	0030-0100	NA	12120
RADIO THAILAND	0200-0230	NA	15275
RADIO THAILAND	0530-0600	Eu	17655
RADIO THAILAND	1230-1300	As Pa	9835
RADIO THAILAND	1400-1430	As Pa	9805
RADIO THAILAND	1900-2000	Eu	7155
RADIO THAILAND	2030-2045	Eu	9680
VOICE OF TURKEY	0300-0400	Eu NA As	5975 7265 7325c
VOICE OF TURKEY	1230-1330	Eu As Pa	13685 15450
VOICE OF TURKEY	1830-1930	Eu	9785
VOICE OF TURKEY	2030-2130	As Pa	7170
VOICE OF TURKEY	2200-2300	Eu NA	6195
UK BIBLE VOICE	0030-0100	SEAs	9490w Friday, Saturday, Sunday
UK BROADCASTING NETWORK	0700-0815	WEu	5945w Saturday and Sunday (0745-0800 Friday)
UK	1015-1045	Korea	5985r Sunday
UK	1115-1130	China	5950r Sunday (Saturday 1115-1200, 1245-1300)
UK	1200-1230	WEu	5945w Sunday
UK	1400-1500	SEAs	15680N Saturday and Sunday
UK	1500-1530	SEAs	15390N Saturday
UK	1530-1600	SEAs	15680J Thursday, Saturday
UK	1530-1815	ME	13590J Sunday (1540-1600 Mon, 1540-1700 Tu, 1540-1615 We, 1540-1645 Th, 1540-1800 Fri, 1545-1730 & 1800-1830 Sat)
UK	1700-1845	ME	9430w Sunday (1700-1830 Sat, 1830-1900 Fri)
UK	1800-1815	Iran	11875J
UK	1800-1830	EEu	6130w Sunday (Sat 1800-1845)
UK	1845-2000	Af	11830J Sunday
UK	1900-1930	Af	13710N Sunday

UK FEBA	1400-1430	SEAs	12025d Sunday
RADIO UKRAINE INT	0000-0100	NA	7440
RADIO UKRAINE INT	0300-0400	NA	7440
RADIO UKRAINE INT	0500-0600	Eu	9945
RADIO UKRAINE INT	0900-1000	Eu	11550
RADIO UKRAINE INT	1100-1200	Eu	11550
RADIO UKRAINE INT	1900-2000	Eu	7490
RADIO UKRAINE INT	2100-2200	Eu	7510
USA KATJ	0000-1200	NA FE	5755
USA KATJ	1200-0000	NA FE	9480
USA KJES	0100-0230	NA	7555
USA KJES	1300-1500	NA	11715
USA KJES	1800-1900	Pa CAm	15385
USA KNLS	0800-0900	FE	7355
USA KNLS	1000-1100	FE	6890
USA KNLS	1200-1300	FE	7355 9780
USA KNLS	1400-1500	FE	7355
USA KWHR	0000-0500	As	17800
USA KWHR	0500-0800	As	11565 13650
USA KWHR	0800-1100	As	9930 11565
USA KWHR	1100-1200	As	9930
USA KWHR	1200-1400	As	12130
USA KWHR	1400-1800	As	9930
USA OVERCOMER	1400-1500	Eu ME	6110J 13810J
USA MINISTRY	1500-1600	Eu Af	6110J 17485J
USA	1900-2100	Eu	6175w
USA PAN AMERICAN	0030-0045	SEAs	9640w Sunday
USA BROADCASTING	1400-1430	As	15205J Sunday, Wednesday (Mon, Tue, Thu-Sat 1415-1430)
USA	1430-1445	As	15205N Sunday (1400-1415 Sat)
USA	1600-1645	As	13830J Sunday
USA	1930-2015	ME	9515w Sunday (Friday 2000-2030, Saturday 1930-2030)
USA UNIVERSITY NETWORK GENE SCOTT	0000-1200	NA	5030 6150 7375 9725 Costa Rica
	1200-2400	NA	9725 11870 13750 Costa Rica
	1000-2200	NA	11775 Anguilla
	2200-1000	NA	6090 Anguilla
USA VOA	1400-1500	Eu ME	15530 17740
USA VOA	1500-1600	Eu ME	15130 15530
USA VOA	0300-0400	Af	4930 6080 <7340 9885 12080 15580
USA VOA	0400-0500	Af	4930 4960 6080 9575 11835 12080 15580
USA VOA	0500-0600	Af	4930 6080 6180 12080 15580
USA VOA	0600-0700	Af	6080 6180 12080 15580
USA VOA	1400-1500	Af	4930 6080 13570 15580 17530
USA VOA	1500-1600	Af	4930 6080 13570 15580 17895
USA VOA	1600-1700	Af	4930 6080 15580
USA VOA	1700-1800	Af	6080 <11835 15410> 15580 15675* *Sat, Sun
USA VOA	1800-1900	Af	4930 > 6080 9885> 15410 15580 <17865 17895> (Sat&Sun 909,4930 1800-)
USA VOA	1900-2000	Af	4930 4940 6080 9885 15410 15580 17895
USA VOA	2000-2100	Af	4930 <4940 6080 15580 17895 (Sat, Sun 11720 used 2030-2100)
USA VOA	2100-2200	Af	6080 15580
USA VOA	2030-0030	Afghanistan	7555
USA VOA	0100-0200	FE SAs Pa	7430 9780 11705
USA VOA	1200-1300	FE SAs Pa	6140 9360 9510 9760 12075
USA VOA	1300-1400	FE SAs Pa	9645 9510 9760
USA VOA	1400-1500	FE SAs Pa	7430 9760 15185
USA VOA	1500-1600	FE SAs Pa	7430 7480 12150 13735
USA VOA	2200-2300	FE SAs Pa	5910 6105 7120 7460 9415 11725 15185
USA VOA	2300-2400	FE SAs Pa	6105 7120 9415 11725 15185
USA VOA	1730-1800	Zimbabwe	4930 13775 15775 (Sat, Sun 1720-1740)
USA WBCQ	2100-1000	NA	5110
USA WBCQ	1400-0400	NA	9330 (Sunday -0330)
USA WBCQ	1700-2300	NA	17495 (Sunday 1300-2100, Wed 1700-2330, Fri 1700-2400, Sat 1700-2200)
USA WBCQ	1700-0700	NA	7415 Monday to Friday (Sat and Sun 1800-0700)

Station has been heard testing at times on 15420 as a possible replacement for 17495

USA WBOH	0000-2400	NA	5920 Spanish and English
USA WEWN	0000-0600	As	11520
USA WEWN	0600-0800	Eu	7570
USA WEWN	0800-1100	As	9355
USA WEWN	1100-1400	As	11560
USA WEWN	1400-1900	As	15855
USA WEWN	1900-2200	NA Eu	17595
USA WEWN	2200-0000	NA Eu	15665
USA WHRI	0000-0100	EuAf NA	5850 5875 7315
USA WHRI	0100-0300	EuAf NA	5850 5875(Mo-Fr) 7315(Sa,Su) 7385
USA WHRI	0300-0400	EuAf NA	5850 5875(Mo-Fr) 6110(Tu-Sa) 7315(Sa,Su) 7385(Su,Mo)
USA WHRI	0400-0500	EuAf NA	5850 7315 7365
USA WHRI	0500-0700	EuAf NA	7315 7365 7490
USA WHRI	0700-0900	EuAf NA	5875(Sa,Su) 7315 11565(Mo-Fr)
USA WHRI	0900-1000	EuAf NA	5875 7315
USA WHRI	1000-1200	EuAf NA	7315 9425
USA WHRI	1200-1300	EuAf NA	7385 9410 15710
USA WHRI	1300-1400	EuAf NA	9840 11785 15710
USA WHRI	1400-1600	EuAf NA	9840 11785 15195
USA WHRI	1600-1800	EuAf NA	9495 9840 17520
USA WHRI	1800-1900	EuAf NA	9495(Sa,Sun) 9840 17520(Mo-Fr) 17690(Mo-Fr)
USA WHRI	1900-2000	EuAf NA	9495 9840 11885 17690
USA WHRI	2000-2100	EuAf NA	7520 9495(exc Fr) 11785 15665(Fr) 17650(Fr)
USA WHRI	2100-2200	EuAf NA	7385 11785 11885 15665
USA WHRI	2200-2300	EuAf NA	7385 9615 11785 11885
USA WHRI	2300-0000	EuAf NA	5850 7315 9615 11785
USA WINB	1000-1200	NA	9265
USA WINB	1200-2200	NA	13570
USA WINB	2200-0300	NA	9265
USA WMLK	1600-2100	Eu ME	9265 Monday to Saturday
USA WRMI	0000-0100	LA	9955
USA WRMI	0100-0300	NA	9955 Tuesday to Saturday (beamed to Latin America Sun and Mon)
USA WRMI	0300-1400	LA	9955
USA WRMI	1400-1600	NA	9955
USA WRMI	1600-0000	LA	9955
Station carries both English and Spanish programming			
USA WTJC	0000-2400	NA	9370
USA WWCR	0000-0100	NA	5070 5975 7465 9980
USA WWCR	0100-0200	NA	5070 5890 5935 7465
USA WWCR	0200-0900	NA	3215 5070 5890 5935
USA WWCR	0900-1000	NA	5070 5890 5935 9985
USA WWCR	1000-1100	NA	5070 5890 5935 15825
USA WWCR	1100-1200	NA	5935 9980 12160 15825
USA WWCR	1200-1300	NA	9980 12160 13845 15825
USA WWCR	1300-1500	NA	9985 12160 13845 15825
USA WWCR	1500-2100	NA	9980 12160 13845 15825
USA WWCR	2100-2200	NA	7465 9980 12160 13845
USA WWCR	2200-0000	NA	5070 7465 9980 13845
USA WWRB	0000-0500	NA	3185 5050 5745 6890
USA WWRB	0500-1200	NA	3185
USA WWRB	1200-1500	NA	3185 6890
USA WWRB	1500-1600	NA	9385
USA WWRB	1600-1700	NA	9385 9430
USA WWRB	1700-2200	NA Eu Af	9385 9430 12180 15250
USA WWRB	2200-2300	NA Eu Af	6890 9385 9430 12180 15250
USA WWRB	2300-0000	NA	6890 9385
Schedule subject to daily variations dependent on time booked			
USA WYFR	0000-0100	NA/LA	6985 9505 11835 /17805
USA WYFR	0100-0200	NA/As	6985 9505/ 15195v
USA WYFR	0200-0300	NA/LA	5985 6985 9505 11835/ 5985 11855
USA WYFR	0300-0400	NA/LA	6985 9505 /11740 15255
USA WYFR	0400-0500	Eu/NA	7780 / 6915 6985 9505 9715
USA WYFR	0500-0600	Eu/NA	9355 / 6915
USA WYFR	0600-0700	NA/LA	9680 / 5850

USA WYFR	0600-0700	Eu/Af	7520 11580 /11530
USA WYFR	0700-0800	NA/LA	6915 9715 / 9505
USA WYFR	0700-0800	Eu/Af	7520 / 9930
USA WYFR	0800-0900	NA/Af	5950 5985 6915 / 9930
USA WYFR	0900-1000	NA/As	5985 6915 9755 / 9450r 9465v
USA WYFR	1000-1100	NA/As	5950 5985 6915 9755/ 9450r 9465v
USA WYFR	1100-1200	NA/LA	5950 5985 9755 / 7780 9550 9625
USA WYFR	1200-1300	NA/LA	5950 5985 17795 /17555
USA WYFR	1300-1400	NA/As/Af	11830 11865 11910 17795 /11520v 11560v 13810r 15670w/17630d 17715d
USA WYFR	1400-1500	NA	11830 11910 13695 17795
USA WYFR	1400-1500	As/Af	6135r 7320r 9365U 9615r 9865r 11560v 11725r 13810r/17715d
USA WYFR	1500-1600	NA/LA	11830 11910 17795 /15770
USA WYFR	1500-1600	As/Af	6280v 7320r 15520d/15750w
USA WYFR	1600-1700	NA/LA	11830 11865 13695 17795/ 6085
USA WYFR	1600-1700	Eu/Af/As	18980 21455 /13630N 15650w 15705w 21525 /11850d
USA WYFR	1700-1800	Eu/Af/NA	18980 21455 /13630N 15760u 21680a/13690 17795
USA WYFR	1800-1900	Eu/Af	3955u 18980 / 7240r 7395t 9845d 13630N 13730w 13780u 157450w 15760u 17845
USA WYFR	1800-1900	NA	13615 13690 17795
USA WYFR	1900-2000	NA/LA	13615 13690 17795 / 6085
USA WYFR	1900-2000	Eu/Af	18930 18980/ 3230n 6020t 7395t 9610w 11875d 17845
USA WYFR	2000-2100	Eu/Af	7430K 17750 18980 / 3230n 6020t 9610w 15195a 17845
USA WYFR	2000-2100	NA/LA	13615 17795/ 17725
USA WYFR	2100-2200	Eu/Af/NA	7430K 11565 18980 / 9610w 11875a(2115-) 15195a 17845 /13615 17795
USA WYFR	2200-2300	NA/Af/LA	11740 / 7285w 11875a(-2315) 15770/ 15255 17750
USA WYFR	2300-0000	NA/LA	11740 /15255 17750

VATICAN RADIO	0140-0200	As Pa	7335 9650
VATICAN RADIO	0250-0320	NA	6040 7305
VATICAN RADIO	0300-0320	As	15560
VATICAN RADIO	0300-0330	Af	7360 9660
VATICAN RADIO	0500-0520	Eu	4005 5965 7250
VATICAN RADIO	0500-0530	Af	9660 11625 13765
VATICAN RADIO	0630-0645	Eu AsPa	4005 5965 7250 9645 11740 15595
VATICAN RADIO	0630-0700	Af	11625 13765 15570
VATICAN RADIO	1130-1200	AsPa	15595 17765
VATICAN RADIO	1515-1600	As Pa	11850 13765 15235
VATICAN RADIO	1615-1630	Eu AsPa Af	4005 5885 7250 9645
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	9725A
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	0600-1600	SAF	6065
ZAMBIA CHRISTIAN V	0600-2100	Waf	13590
ZAMBIA CHRISTIAN V	1600-0600	SAF	4965

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