

The **NASA** Journal

VOLUME XLVI NUMBER 3

MARCH 2006



Quality Equipment From Universal Radio

RFspace SDR-14

The RFspace SDR-14 is a 14-bit software defined radio receiver, offering a broad range of spectrum analyzer and demodulation capabilities. The hardware samples the whole 0-30 MHz band using a sampling rate of 66.667 MHz. The digital data from the ADC is processed into I and Q format using a direct digital converter (DDC) and is then sent to the PC for processing using a USB 1.1 interface. All of the demod and spectral functions are done on the PC side. Supported formats include USB, LSB, AM, FM, WFM, CW, CWr and DSB. Filter bandwidths are continuously adjustable. DRM is now supported via special demod mode using third-party software (DREAM) by routing the demod audio through the mixer control. The SDR-14 supports high resolution spectral captures using up to 262144 point FFTs. The maximum spectral display width is 30 MHz simultaneously. One of the most exciting features of the SDR-14 is the ability to record band segments of any band to hard drive in real time. This is done at a rate of 52GB/day for a 150 kHz wide segment. The stored file contains everything that happened in that segment of the band for the duration of the recording. The fidelity of the file is superb with over 96dB of dynamic range. The recording can be played back at any time with full tunability and choice of modes. The recording can also be analyzed for hidden signals and carriers. The SDR-14 comes with AC power supply, USB cable and computer CD. Visit the Universal website to view screen shots, spectrograms and complete specifications.



Order #0014 \$999.95

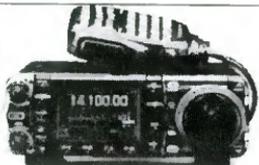
ICOM PCR1500

The Icom PCR1500 wideband computer receiver connects externally to your PC via a USB cable. This provides compatibility with many computer models, even laptops. Incredible coverage is yours with reception from 10 kHz to 3300 MHz (less cellular gaps). Modes of reception include AM, FM-Wide, FM-Narrow, SSB and CW. (CW and SSB up to 1300 MHz only). The PCR1500 comes with an AC adaptor, whip antenna, USB cable and Windows 98SE/ME/2000/XP™ CD. The PCR1500 is expected Spring 2006. This device has not been approved by the F.C.C. This device may not be offered for sale or lease or be sold or leased until approval of the F.C.C. has been obtained. The information shown is preliminary and is subject to change.



IC-7000

The ICOM 7000 represents the next generation in all-mode HF/VHF/UHF transceivers. DSP at the IF level is the cornerstone of this impressive new multi-bander. In fact, the 7000 employs two DSP chips to work its magic. Imagine having 41 bandwidths available - standard! You can even select sharp or soft filter shape. And variable twin PBT allows you to either narrow the IF passband, or shift the entire passband to eliminate QRM. The IC-7000 has an incredibly versatile and capable **shortwave receiver**. It would be difficult to find a more impressive receiver in such a small package. Yes, there is tremendous power "under the hood", but the radio is also downright gorgeous. The 2.5 inch (diagonal) color TFT presents numbers and indicators in bright, concentrated colors for easy recognition. You can choose from three background colors and two font styles. Not only does this display provide radio status, but it also supports a two-mode band scope. In the Center Mode the scope is centered on the receiving frequency. In the Fixed Mode the scope sweeps a fixed range. The Digital Voice Recorder (DVR) function has a front panel REC control that allows you to record incoming signals for up to 25 minutes. Other features include: a detachable control head (requires optional separation cable), 503 memories, S/PWR/SWR meter, RIT, Preamp, RTTY Demodulator, Attenuator, Bass & Treble, adjustable SSB bandwidth, DTMF memory, VOX, full break-in and adjustable CW pitch. Requires 12 VDC at 22 amps for transmit but only 2 amps for receiving.



Order #0700 \$1499.99

GRUNDIG YB-550 PE

The incredibly attractive Grundig YB-550PE combines form and function to offer an excellent shortwave experience. Six tuning methods are available to make tuning the bands easy and quick. Enjoy AM, FM, FM Stereo (to earphone jack) and full coverage shortwave from 1710-30000 kHz. Direct keypad frequency entry is possible or Up-Down tuning is available to surf the bands. A bar-graph tuning meter puts you exactly on frequency. 100 memories store your favorite stations. The built in clock can wake you to the radio audio or a buzzer. The large backlit LCD shows time and frequency. Comes with a carry case. 3.5 x 5.75 x 1.375 inches 10 oz. (The 550ACA AC adapter is optional order #3039 \$12.95)



YB-550 Order #0550 \$79.95

etón FR250

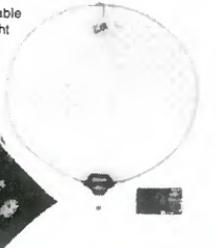
Be prepared and aware with the etón FR250 emergency radio. This affordable portable receives AM, FM 88-108 MHz and seven spread shortwave bands. This radio can be powered from four different sources: the built-in rechargeable Ni-MH rechargeable battery, from 3 AA batteries, AC adaptor (not included) and from the dynamo crank. There is also a built-in triple white LED light source and mini earphone jack. A fine-tuning control knob is superimposed on the main tuning control knob for precise tuning. The FR250 is not only perfect for emergencies, but also for camping, hiking, or anywhere you need to stay in touch.



Order #0250 \$49.95

SONY AN-LP1

The Sony AN-LP1 portable active antenna is just right for the traveller who wants maximum performance from their worldband radio. The flexible folding loop antenna is 19 inches (48 cm) when open, but folds down to a mere 7 inches and neatly fits in the supplied soft carrying case. A mounting clip and suction cup on the end of the loop allows easy placement in a variety of situations. The suction cup is especially useful for mounting the antenna to a window where reception will often be the best. Output is to a mini plug. A preselection knob selects operation from 3.85 to 21.95 MHz. The AN-LP1 requires two AA cells (not supplied) for about 40 hours of use.



Special Notes:
• The AN-LP1 derives power from the radio when connected to models ICF-SW1000r or ICF-SW7600a.
• Not recommended for use with model ICF-SW77.

Sony AN-LP1 Order #3676 \$99.95
This model has just been discontinued by Sony. Availability is subject to stock on hand.



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With the Winter SWL Festival falling "early" this year, this issue of the *Journal* may arrive too late for those that have not made plans already. If so, you missed a great opportunity to meet and greet other like minded radio hobbyists. This is our 19th reunion of the radio's best people from around the world. Check **Rich Cuff's** column for any last minute updates. Check the *Journal* for the registration form. More will be in the pages of the *Journal* describing what happened in the coming months.

Included this month in *Musings* is groundbreaking news and information about the "Revive Radio St. Helena Day" project by **Robert Kipp**. At the conclusion we are left with an interesting challenge to raise funds in an effort to restore a shortwave transmitter on St. Helena Islands. The musing contains all the necessary bank information you would need to contribute to this project. The "Revive Radio St. Helena Day" project is totally dependent upon generous donations from all Friends of St. Helena, and Robert assures me the entire island is hoping that this project succeeds. The following are Radio St. Helena internet pages, created by well-known Swedish DXer **John Ekwall**: www.sthelena.se/radio (about the funding raising project), www.sthelena.se/radiosth.htm (about the RSH Day 1999), and www.sthelena.se/index/index2.htm for other articles. You may recall that John Ekwall initiated the very first RSH shortwave broadcast in 1990 and was responsible for setting up the RSH Day programs starting in 1992.

On 3 February 2006, distinguished long time ABC broadcaster **Keith Glover** passed away. He began his career with ABC in Queensland in 1947. In Melbourne Keith worked with Radio Australia for many years. Many remember him as presenter of Radio Australia's

Listeners' Mailbag program. He received a number of awards for international broadcasting. In the latter stages of his career Keith moved into management, working as Supervisor of Radio Australia's English Language programming and finally as Supervisor of Radio Presentation in Victoria. He retired from the ABC in 1985. His sincere, down to earth style made him immensely popular with listeners.

From our friends at the Danish Shortwave Club International we learn of an invitation to the European DX Council (EDXC) Conference in St. Petersburg, Russia on 19-22 October 2006. The board of deputies of the EDXC has accepted the proposal made by **Tibor Szilagyi** to hold the next Conference in Saint Petersburg, Russia. Everyone is invited to participate in this interesting event. It will be held at the State Educational Centre of Russian Atomic Energy Agency ROSATOM in Saint Petersburg, Aerodromnaya street No. 4, 197 348. There is a hotel at the Conference Centre with rooms costing EUR 46.00 / night or \$54.00 / night, including breakfast. Tibor advises that it is recommended to apply for a Russian visa in connection with your purchase of a flight ticket. If you have questions please do not hesitate to contact Tibor Szilagyi <Tibor.Szilagyi@ovako.com>.

A substantial reduced schedule of shortwave broadcasts looms out on the horizon at the Voice of America. *Shortwave Center* Editor **John Figliozzi** broke the news within the shortwave community on February 1st that the International Broadcasting Board of Governors will require implementation of across the board "efficiencies" (i.e. budget cuts) so that the VOA's overall broadcast mission can concentrate on its support of this country's war on terrorism. The costs associated with securing and bolstering defenses against terrorism, the damage and

cost of recovery caused by Hurricane Katrina, plus the already high federal government budget deficit, translates into budget cuts at the VOA. For 2006 and 2007 reduction to shortwave transmissions have been made for most of the broadcast services. Approximately 90,000 transmission hours will be deleted. Implementation began effective February 1st. These are tough times at the VOA.

It's not too late! A reminder that thanks to the efforts of the International Radio Club of America (IRCA) there is an excellent opportunity to QSL the shortwave broadcasts of the United Radio Broadcasters of New Orleans (URBONO) with a special QSL card. The IRCA has been granted permission by the Chief Engineer at WWL to act as the QSL Bureau for stations that participated in the URBONO effort headed by WWL Radio following Hurricanes Katrina and Rita. Listeners who wish to receive a QSL card should send a standard reception report including the station they heard, date, time, and frequency and as much program details as possible up to fifteen minutes. An individual QSL card will be issued for each station heard. Be sure to enclose return postage (US\$1.00 should be sufficient for most international replies). Nine medium wave stations, nine FM stations and one shortwave station participated in the network. Reports with adequate return postage should be sent to URBONO QSL, P. O. Box 3777, Memphis, TN 38173-0777. **Jim Pogue**, who was down in Baton Rouge and New Orleans for 2 1/2 months doing response/recovery work, sent along this information. Once again, special thanks are in order for Jim's efforts down south and on the QSL front! It is very much appreciated!

Looking to participate in a shortwave radio oriented contest? The Danish Shortwave Club International (DSWCI) has such an affair cooking up later this month that may interest you. The 18th International DX Contest "The Grand Tour With Cancer And Capricorn" for 2006 runs from Friday 24th March, 1800 UTC, to Sunday 9th April, 2400 UTC. It is open to all shortwave listeners regardless to their membership in any DX club. Primary contest frequencies are from 2300 to 26100 kHz. Logs outside this range will be valued by half

points. The contest fee EUR 3.00 / USD 3.00 shall be sent together with the contest form to: **Jaroslav Bohac**, Jizerska 2900/11, 400 11 Usti n.L., Czech Republic, trams@volny.cz. The deadline for submission is 14 April 2006 (date of post stamp), 23 April 2006 (by e-mail). Each participant will receive a contest diploma with his/her classification and a list of participants with their results. The first three participants will be awarded non-cash prizes; three additional prizes will be drawn into all participants regardless to their scoring. In Part 1 listen to any broadcast station of the contest country, for at least 15 minutes. For one country one log only. Unofficial, pirate and clandestine stations are not allowed. Scoring: 1000 points of each logged country will be divided by a number of logs and rounded to two decimal places. Maximum point value 200 points for one country. In Part 2 you can raise your score by listening to any DX program. The number of DX programs is limited to 6! No particular country limit. Scoring in the same way as in Part 1, maximum point value 100 points for one DX program. Full value of the Quiz questions is 1/10 of the points reached in Part 1 + Part 2. Example: If your point value of Part 1 + Part 2 is 1000 points, and you reach 65 quiz points, then you can raise your total score to $1000 * 1.065 = 1065$ points. Contest forms are available on the DSWCI website: <http://dswci.org/contest/2006grandtour.html>. Good luck!

Long time member, former Executive Council member, *Popular Communications* magazine columnist, and a great friend of mine **Gerry Dexter** recently celebrated his 55th anniversary in the shortwave listening hobby. Fifteen years ago at the Winter SWL Festival we "roasted" Gerry on reaching his 40th anniversary in the hobby. At that time, there weren't too many folks around celebrating that many years in the hobby. Now I know quite a few 40+ year old timers, including myself! Anyway, congratulations Gerry on 55 years in the hobby, some of which were quite productive, hi!

We are at the tail end of the DX season but the action is still hot on the bands. If you have not signed up for the club's electronic *Flashsheet* service, you are missing out on

timely news and information each week. 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 conditions 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 **Ray Bauernhuber**, DXRADIO@webtv.net. Each week the electronic *Flashsheet* brings a lot of exciting, late breaking DX news and information to our members. The electronic newslet-

ter is an excellent supplement to the monthly *Journal* for the timely dissemination of DX loggings and breaking news. This is a service that is only available to our members. Deadlines are posted in the *NASWA Flashsheet* each week. Let's keep Ray busy!

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

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

FRENDX: Twenty-Five Years Ago (March 1981)

The latest version of the Association of North American Radio Clubs *Club List* was available. Larry Magne was looking to sell equipment used for his tests in the 1981 *World Radio TV Handbook*. In the *Shortwave Center*, John Moritz had a comprehensive interview with Ian McFarland of Radio Canada International. In *Vintage Vignettes*, Bill Taylor wrote about regenerative receivers. John Campbell provided "Yet Another Word About Pirates." Dan Ferguson wrote the first *DX Smorgasbord* feature designed to provide notes on how to hear particular countries. Feedback about new US commercial shortwave broadcaster WRNO was negative. In the *QSL Report*, Sam Barto noted verifications from 119 countries. Jerry Lineback's first *Scoreboard* column appeared. Ninety reporters filled out Gregg Bares *Frendx Credits* column.

Calendar Of Events

Mar 3-4, 2006 Convention. The **19th Annual Winter SWL Festival**, sponsored by *NASWA*, will be held at the *Best Western—The Inn at Towamencin* (Kulpsville to the rest of us), located at Exit 31 on the Northeast Extension of the Pennsylvania Turnpike, on 3rd and 4th March 2006. Richard Cuff and John Figliozzi co-chair the organizational committee. Of course, it's never too early to begin planning. This year's registration form appears in this month's *Journal*. See you there!

Mar 17 Meeting. Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcscpk@aol.com.

Mar 17 Meeting. Boston Area NASWA Chapter. The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>

- Mar/Apr, 2006 Contest.** The 18th International DX Contest **The Grand Tour With Cancer And Capricorn** for 2006 runs from Friday 24th March, 1800 UTC, to Sunday 9th April, 2400 UTC. The contest fee EUR 3.00 / USD 3.00 shall be sent together with the contest form to: Jaroslav Bohac, Jizerska 2900/11, 400 11 Usti n.L., Czech Republic, trams@volny.cz. Contest forms are available on the DSWCI website: <http://dswci.org/contest/2006grandtour.html>.
- Apr 8 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>>
- May 4-7, 2006 50th Julilee DX Camp and Convention.** The **Danish Shortwave Clubs International (DSWCI)** will hold its **50th year Jubilee** with a DX Camp and AGM on 4-7 May 2006 at the beach resort of Vejers near the westernmost point of Denmark at the Scout camp. The DSWCI is preparing a large program of activities which include: a DX-Camp from Thursday afternoon throughout till Sunday morning; a cultural tour on Friday to the town of Varde including an Danish painting exhibition; various historical exhibitions and publications about the DSWCI are planned; the Annual General Meeting Saturday morning; some of the founders and old-timers will be invited; various DX-related lectures Saturday afternoon; special DX-broadcasts and a Jubilee Dinner Saturday evening. Participation fee is DKK 500,00 or EUR 70,00 to use the facilities. Participation in just the AGM is free. The club is looking to complete registration and payment of fees by 10 April 2006. Non-member DXers and broadcasters are welcome.
- July 28-30, 2006 Convention.** The DX Clubs of Mexico holding its **12th National DX Meeting, "Ascension 2006"** 28-30 July 2006 in the city of Ascension in the state of Chihuahua in Mexico.
- Aug 19, 2006 2006 Madison-Milwaukee Radio Get-together. The 13th Annual Madison-Milwaukee Get-together for DXers and Radio Enthusiasts** will take place in Milwaukee, WI on Saturday August 19, 2006, with Tim Noonan hosting. Please contact Tim at dxing2@aol.com for additional information Further information will appear in the *Journal* as the event draws near.
- Sep 1-3, 2006 Convention. The National Radio Club and the DX Audio Service** will hold their annual convention at the Best Western in Akron, Ohio on 1-3 September 2006. Room rates are \$68.00 per night. More information to follow.
- Oct 19-22, 2006 Convention. European DX Council (EDXC) Conference** in St. Petersburg, Russia on 19-22 October 2006 hosted by Tibor Szilagyi <Tibor.Szilagyi@ovako.com> It will be held at the State Educational Centre of Russian Atomic Energy Agency ROSATOM in Saint Petersburg, Aerodromnaya street No. 4, 197 348. There is a hotel at the Conference Centre with rooms costing EUR 46.00 / night or \$54.00 / night, including breakfast. If you have questions please do not hesitate to contact Tibor Szilagyi.
- Mar 9-10, 2007 Convention. The 20th Annual Winter SWL Festival**, sponsored by NASWA, will be held at the *Best Western—The Inn at Towamencin*. Join us for this 20th anniversary extravaganza in the DX Mecca.

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

Musings

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

Robert Kipp <RDC-Roberts-Data@t-online.de>, Germany

Radio St. Helena: The Project and The Reality

Our "Project" to put Radio St. Helena back on the air on shortwaves and to revive the famous "RSH Day" interactive broadcasts is still a dream, but day by day this dream is coming closer to becoming reality.

Anyone who has attempted to put together a 1000 Watt amateur radio station with an outdoor antenna system will appreciate the difficulties. We need a receiver, a separate 100 Watt transmitter, a robust 1000 Watt linear amplifier, a sturdy antenna for 27 meters, a heavy-duty rotor, various special cables, an SWR-monitor, a power meter, and a 13 meters tall antenna tower. In addition, about 2.5 cubic meters of expensive concrete for the tower is almost essential. Add to all that the transportation costs for the ship from England to St. Helena, and the fact that the ship only visits England twice per year. On top of all that, we need to coordinate this "Project" more or less remotely from a distance of several thousand kilometres and to turn every coin over twice before we spend it.

We are hoping for the donation of two used amateur radio transceivers such as the Yaesu FT-757GXII or similar. If you can help, please send me an email.

This is quite a nice "Project", and amazingly, it is proceeding fairly well! This may be the first time ever that radio friends have actually helped to build "their own" shortwave radio station! This is really a unique experience. However, without your many donations and some sponsors, we will not be able to succeed. RSH still needs a lot of help from us all. Let's do it! Let's make this dream become reality.

In order to revive the international, interactive shortwave programs from Radio St. Helena, we, the Friends of RSH and radio friends everywhere, need to provide a lot of help in the way of donations and sponsorships. Our "Dream-Project" most surely can become reality!

In the unlikely event that, in the end, we are not able to finance our "Dream-Project", all donations will be given to RSH to support the very much needed repairs and replacement of equipment for the RSH medium-wave station and studios, so that at least the people on the island of St. Helena can continue to enjoy the programming designed by Ralph Peters especially for all the "Saints".

Please contribute as you are able to any of the following accounts. Please remember that we are totally dependent upon your donations for this project.

Euros:

Account name: Radio St. Helena Fund Kipp
Account number: 0360304070
Bank: Commerzbank, Langen, Germany

BLZ (Bank number): 50840005
IBAN: DE45 5084 0005 0360 3040 70
SWIFT Code: COBA DEFF 012

Pounds Sterling:

Account name: Martyn Phillips, G3RFX
Account number: 60613487
Bank: Barclays Bank, Bristol, England
Bank Sorting Code: 20 - 13 - 34

Note: If donating by cheque, please send the cheque directly to Martyn Phillips, G3RFX, 17 Richmond Hill, Clifton, Bristol, BS8 1BA, England.

US Dollars:

For donations in USA Dollars by check, cash, or money order: Please make money orders payable to: Radio St. Helena Fund. Please send your check, cash, or money order directly to: Richard A. D'Angelo, c/o Radio St. Helena Fund, 2216 Burkey Drive, Wyomissing, PA, 19610, U.S.A.

Let's do it! Let's build "our own" shortwave radio station together with RSH! With sincere thanks for your help and best wishes,

Robert Kipp, Special Assistant to the Station Manager of Radio St. Helena

Ron Howard <howard@redshift.com> Monterey, California

Wanted to give a big thank you for a job well done to Ralph Brandi, for the outstanding job he has done with the NASWA website. It is indeed a very nice 10-year anniversary present to the NASWA membership! The Shortwave Loggings Database is an especially good tool for the serious DXer or casual SWL. Thank you for keeping NASWA up-to-date.

Ron

Russell Lay <russlay@earthlink.net>, Nags Head, NC, USA

The Musing from me last month should have read VOA instead of AFN!! The email was from Joe O'Connell and is the one printed in the February Musings, where the first line identifies Mr. O'Connell as being from AFN instead of VOA. As an aside, I got a VOA QSL yesterday for Sao Tome, so they appear to be back on track. I have written Mr. O'Connell and he is checking to see if my QSL was a sporadic fluke or if they now have a person hired who is catching up on the backlog.

Russ

Ralph W. Perry ralphperry@yahoo.com, Bangkok, Thailand

Stumbled across NASWA online and was delighted to see a lot of the same ol' familiar names from the old days of FRENDX / NU, etc. Though I've totally drifted away from the radio hobby (and now, instead, collect 1930s nonsport bubblegum cards), there'll always be a soft spot in my heart for DXing and QSLs! Am living in Bangkok, Thailand, right now, where I'm the country chairman for an oil company. Cheers to all - Ralph

Lee R. Wical <LEEWICAL@aol.com>, 45-601 Lulukou Road, Kane'Ohe, Hawaii 96744-1854

Paragraph 2 Column 2 statement: (US \$1.00 should be sufficient for most international replies). I don't think so. Germany, for instance, is almost \$2.00 USD!

As a QSL manager, I would suggest this statement: Be sure to enclose a SASE for domestic return postage. For International return postage a SAE or return label with no less than TWO (2) IRCs or two (2) US dollars.

I collect two dollar bills from my bank and credit unions and use them. THIS WORKS FOR ME in the Amateur Radio hunt!

WHAT WORKS, WORKS. Americans are noted for being cheap in return postage! Believe me, I notice that. QSL?

ALOHA & MAHALO

Dave McLaren <dave9n@hotmail.com>, 1904 1st Avenue #40, Rock Falls, IL 61071

I would like to know if there are any other club members that have a Sony ICF-SW-07 radio receiver, as I am thinking about purchasing a new (rom) chip for mine. I would like to know if any other club members have done this and I would like to know if they have had any trouble obtaining the chip or installing the chip. Please print this in the next musings column if possible.

Tnx. De Dave Mc Laren (NE9N)

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

It was a wet and warm late January as we trekked to French Creek State Park for our last DXpedition of the DX season. With the spring like weather and the Winter SWL Festival only weeks away, it seemed like the DX season was rapidly slipping away.

I arrived shortly after 3:00 PM to find Kris Field and Bob Montgomery already set up, ready to listen. I began to unpack my junk from the car. I was pleasantly surprised that the wet conditions didn't hamper my antenna set up as I traversed the back slope. Usually that is very slippery territory but it wasn't too bad considering the wet ground conditions. Ed Mauger arrived in daylight and so did John Figliozzi. John brought his Eton E-1 which gave the rest of us our first look at this interesting new portable rig. Rich Cuff rounded out the Sunday crew with a late Sunday afternoon/evening visit.

First day conditions were mixed. Africans were booming in on 60 meters in the late afternoon although much sought after Tanzania was just a carrier without any audio. However, as the Africans closed down, apparently so did the conditions. No Indonesia, India or much from Latin America. However, a few ventured down to the longwave band where Bob Montgomery logged 11 different broadcast stations salvaging the evening. As things began to quiet down, Rich Cuff packed up and left having only enough time to spend Sunday with us.

Unfortunately, things only got worse not better the following morning. Conditions were just awful Monday morning. Nothing, literally nothing, was heard. I didn't enter one log into the system! It was an all time low, not something you look forward to saying at one of these gatherings. At times like these it is important to have a good cabin crew because conversation is all that it left. It looks like Rich Cuff made the right decision leaving town

Sunday night, hi! Afternoon listening seemed to pick up although when I returned to the cabin I discovered John, Kris and Bob enjoying lunch outdoors at the picnic table. This didn't seem right for January in Pennsylvania. No wonder the propagation was confused. The weather was much too mild for a winter DXpedition! Bob reeled in his antennas and packed up his gear due to a work commitment the following morning reducing our group to four.

Late afternoon Africans were plentiful once again but Latin America might as well have been on Mars for all we could hear. However, our "banquet" made up for everything with pasta, kielbasa, Texas toast, black walnut pie and two different types of Kris Field's homemade wine. Not a bad deal! Late evening Africans were particularly good with a nice opening to Ethiopia.

Our final morning saw me alone at the dials at 0920 as the others slept in. Early morning Bolivian stations were starting to appear although not at the usual strength levels. However, it was good to have them back. Ed meandered to the listening room after 1000. Unlike the Bolivians, the Peruvians stayed elusive this morning.

In the better late than never category, the Voice of Russia sent a nice looking holiday card, combined Christmas and New Year's, a few weeks after the start of the New Year. The timing was off a little but the thought was nice.

73, Rich

On the Short Waves by Jerry Berg

<www.ontheshortwaves.com> Update, January 29, 2006—Under "Articles, Research, etc.," "Pot Pourri," an interesting booklet from BCB station WJZ, New York City, with transmitters in Bound Brook, New Jersey. This is actually a QSL--see the handwritten verification statement on the inside front cover. There is also mention of shortwave on pages 10-11 and page 15. This is probably vintage 1924 or thereabouts.

<www.ontheshortwaves.com> Update, February 10, 2006—Under "Articles, Research, etc.," "Pot Pourri," a pamphlet, "Short Wave Hints and Helps," from the International Short Wave Club when it was headquartered in East Liverpool, Ohio. This primer describes the club and gives information on how to identify stations, how and where to send reports, etc. The ISWC operated from the U.S. from 1929 to 1942 and from the U.K. from 1946 to approximately 1970. This pamphlet is undated, but from the station lists I would place it in the mid 1930s. For a fuller history of the club, see George Zeller's article, "The Founding of the International Short Wave Club in Klondyke, Ohio," the second item from the bottom of the "Full-Text Articles" list.

<www.ontheshortwaves.com> Update, February 17, 2006—Under "Articles, Research, etc.," "Personalities": "The way we were in NASWA." Before March 1972, when Dan Ferguson took the club to offset booklet-style printing, the NASWA bulletin was mimeographed. For a couple of years starting in 1970, "FRENDX" would sometimes contain picture pages featuring photos of members. Here are some of the picture pages from 1970-71, including the brief writeups which accompanied the photos. More next time.

NASWA

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

Easy Listening

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

You may be at the Fest as you're reading this...

The March *Journal* may show up in your mailbox as you're loading the car for the ride to Kulpsville, or it may arrive while you're at the Winter SWL Fest. Either way, I'll have more on the Fest in April's column.

Podcasting updates

I must confess to having a bit of an epiphany—a revelation—this past month when it comes to podcasting. I recently purchased a refurbished MP3 player off of eBay for roughly \$35, and have been using it to listen to programming from Radio Netherlands, the BBC and elsewhere as I exercise in the mornings. What's handy is that you don't have to record the program in "real time" as you do with an audio cassette recorder. Podcasts are downloaded directly to your computer's hard disk, and it's a simple process to simply pick a program and then transfer the file to the MP3 player. The whole process takes no more than 1-2 minutes for a 60-minute audio file, even if you're using a USB 1.1 (comparatively slow) connection. The versatility of MP3 players exceeds that of audio cassette players, which can be handy if you want to listen to only part of a program, or listen in multiple sessions.

It was unnerving to listen to a recent Radio Netherlands program—*Dutch Horizons*—where the background audio, consisting of a plane flying overhead, flew "across" my head from the right stereo channel over to the left channel. That really aided the realism of the point the presenter was trying to make.

While some broadcasters have embraced podcasting, which in reality also means

you can download the audio and listen on an MP3 player, other broadcasters offer downloadable audio but do not specifically have the podcasting web code implemented. That means you have manually visit the broadcaster's website and then download the file to your computer or to your music player. That's slightly less convenient than podcasting, but still enables the listener to copy programming to a portable device more quickly than if they had listened in real time.

Some might look at this process and rightfully wonder what all the excitement is about—after all, isn't it easier to simply switch on a radio and start tuning? Yes, most definitely...as long as one has the time and has that time when the broadcaster is on the air.

Here's an update to the international broadcasters who have implemented podcasting and audio downloading as part of their offerings. Remember that, in nearly all instances, broadcasters that offer programs via podcast also offer these programs for manual downloading.

Deutsche Welle

You can now add **Deutsche Welle** to the roster of traditional shortwave broadcasters that have embraced podcasting for much of their programming. Firstly, DW reorganized their English-language website so that audio-on-demand and podcasts are both available in fewer clicks than before. That's helpful. The DW programs now offered via podcast include *Inspired Minds*, a weekly portrait of the world's great "minds"—artists, scientists, environmentalists, and human rights advocates; *Living Planet*, a weekly look at environmental topics; *Newslink Plus*, a weeknightly hour-long current affairs program developed for a North American audience; *Sports Report*, focus-

ing on German athletes, German sports, and sports of general European interest; and, *Inside Europe*, a weekly newsmagazine including interviews, background features, and cultural reports that airs on Deutsche Welle and other public radio broadcasters. Also, approximately three daily interviews and short 3-minute or 4-minute reports are offered via podcast under the name of *Correspondents Report*.

CBC

Canada's **CBC** is readying a broader podcast offering, though the programs to be podcast haven't yet been identified. The only English-language program podcast so far is *Quirks and Quarks*. Meanwhile, RCI's self-produced programs, including *Business Sense*, *Maple Leaf Mailbag*, *Media Zone*, *Sci-Tech File*, *Spotlight*, and *Canada Today* are already available for downloading, which is the next best thing as podcasting. RCI's Audience Relations guru, Bill Westenhaver, advises me that RCI will not be pursuing podcasting directly due to the general rights concerns that pervade CBC on-demand audio.

Radio Australia

Radio Australia offers podcasts of *Asia Pacific*, *Breakfast Club*, the new *Connect Asia*, selections from *In The Loop*, the long-running *Innovations*, *Pacific Beat*, and *On the Mat*. Meanwhile, Australia's domestic Radio National offers podcasting and downloadable audio for 23 of its programs. I've highlighted these in prior months, so I won't do so now.

Radio Netherlands

Radio Netherlands has been working to offer all of their programming via podcast, but the programming hasn't worked correctly for the folks I've talked to who have attempted to subscribe to them. In any event, all programs can also be manually downloaded in addition to streamed online. These programs are now easier to find on the recently redesigned Radio Netherlands website, <http://www.radionetherlands.nl>.

Radio New Zealand International

RNZI offers a podcast feed that includes each of its on-demand audio programs as individual subscription choices. Each program can be selected for subscribing. You can also download the audio for these programs. The offerings include *Pacific News & Sport*, a bulletin of regional news updated twice daily; *Dateline Pacific*, a weekday review of the day's events, *Tradewinds*, the week's top regional business stories, and *Mailbox*, the long-running fortnightly listener contact program. Meanwhile, Radio New Zealand's domestic **National Radio** service has started a podcasting trial of selections from *Upbeat*, a daily program on the music industry, and *This Way Up*, a weekly two-hour program on consumer issues. This podcasting trial is slated to run until March 31st.

Radio Prague

Radio Prague has also embraced podcasting in a big way; 19 program-centric podcast selections are offered, as are 12 thematic podcast selections—which might include selections from various programs—are also offered. These include *Letter from Prague*, *Spotlight*, *Talking Point*, and others. Check out http://www.radio.cz/en/html/rss_and_podcasting.html.

Radio Singapore International

RSI isn't the easiest shortwave catch out there from North America, but they, too, have begun a podcasting trial. The weekly edition of *Campus Connect*, an interview program launched in September 2005 consisting of youth forums recorded on various educational institutions in the ASEAN region.

BBC World Service

I've reported on the **BBC's** podcasting initiatives in prior months. The BBC announced this past month that they'll be increasing their limited podcast offerings across all their services, including the World Service. The hourly news bulletin will be podcast, along with selected stories from *World*

Today. These new programs were to have been added by the end of February, but the podcasting page had not been updated as of Saturday, February 25th.

BBC World Service—*Calling the Falklands* coming to an end later in March

This twice-weekly 15-minute program that aired only on a single shortwave frequency, and only on Tuesdays and Fridays, is coming to an end as of the end of March. The reasons given for the end of the series are the usual ones, as Falklanders are able to use more diverse choices to access news from abroad. The local Falklands Islands radio service will be given access to BBC World Service content for an indefinite period.

Every once in a while I'll remember to set the radio and cassette recorder to automatically catch the broadcast, and I'll probably do so for the balance of the month. It's certainly different than much of what you'll find on the BBC, given how narrowly its audience is defined. I find listening to the program to be a throwback of the days when there were no choices other than to listen to a program via shortwave, and if you missed an air time, you were out of luck until the next week's airing.

Calling The Falklands airs Tuesdays and Fridays at 2130 on 11680 kHz; you may need to tune the upper sideband to avoid French Guiana 5 kHz lower.

Radio Australia programming changes

If you read the topic earlier in the column regarding podcasting, you saw reference to a **Radio Australia** program called *Connect Asia*. This program will air on those Radio Australia frequencies that target Asia, along with the online webcast, at 2300 UTC Sundays through Thursdays. The focus of the program will be the news of the day

and associated issues. The longer duration increases the opportunity for a range of views to be heard and for important items to be covered in depth. The program will include a daily newspaper/website round-up, a daily financial report, along with business news and weather information. The audience will be acknowledged through regional time checks—not using UTC—during the program. The second half of the program will be at a slower pace than the first and will be followed by news and then *Breakfast Club*, another relatively new, Asia-focused program that is a chatter magazine-style program, which runs from 2240 to 2300 and then 0000 to 0200 UTC.

Neither of these will air on the frequencies that are most audible in North America, as those frequencies target the Pacific region, not Asia.

Meanwhile, did you notice that the live streamed audio schedule doesn't match, the shortwave schedule from 0300 to 0800 UT—the web audio doesn't have *In The Loop* or *Pacific Beat*, as other Radio National-originated programs, including *The Health Report* and *Life Matters* will appear in the Asia stream at that time.

The Commonwealth Games come to Australia in March, and this will result in changes to Radio Australia's shortwave and webcast schedule.

Opening ceremonies will air on shortwave Wednesday, March 15th at 0800. From Thursday, March 16th to Sunday, March 26th, Commonwealth Games coverage will air on shortwave from 0000 through 1100. Some of the coverage will be embedded in regular programming such as *In The Loop* and *Pacific Beat*, where studio hosts will then weave in coverage of the games; 0900 UT to 1100 UT will feature essentially continuous coverage of the games.

Thankfully, unlike the BBC World Service during the summer Olympics, Radio Aus-

tralia won't shut down their web feed in its entirety. ABC Local Radio's Melbourne service ("774 Melbourne") will be providing a specially-programmed web-only service from 0000-1100 weekdays and 2300-1100 on weekends during the Games that will be offered in Radio Australia's streaming audio service. There won't be total avoidance of the Games—but only results and interviews will be available, no live commentary.

New CBC Radio program: *High Definition*

High Definition is a new weekly program on **CBC Radio 1** about...television. The program explores our relationship with popular television and what it says about the wider world around us. It airs Saturdays 1130 AM local time (across various time zones from 1530 to 1930) (12 noon in Newfoundland). The program might show up on the *Northern Quebec* service on 9625 kHz, possibly 1530 or 1630 UT.

Are the VOA's English language days numbered?

The **Voice of America** announced substantial frequency cutbacks in February and will be axing various language services, in order to focus more resources on the Middle and Near East (read: Iraq, Iran, Afghanistan). There is talk that the **News Now** service to Asia may be axed, though it would appear the Africa-focused service generally audible in the afternoons in the USA would remain reasonably intact. English to other areas—nowadays primarily Asia—is likely to be deemphasized.

In Conclusion

Fest and work activities require me to cut the column a bit this month. Hope you're having / had a great SWL Fest!

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**. Almost 4,000 entries have been updated for the current scheduling period. Visit the Guide at <http://www.naswa.net/swlguide/>. 

WELCOME TO THE FOLLOWING NEW MEMBERS

DON GRANT, Little Rock, AR
JAMES R. GEHRUM, Edison, NJ
CARL W. NEUBER, Turnersville, NJ
BILL DONALDSON, Glenmore, PA
MATTHEW GLAZER, Vienna, VA
EDWARD INSINGER, Summit, NJ
BRENT R. MILLER, Winchester, VA
ROBERT ROWE, Gladwin, MI
MARION ROBERTS, Greenfield, IA
HOWARD LAZARUS, Boynton Beach, FL

Returning member Ed Insinger, 28 Madison Avenue, Summit, NJ 07901 would like to get in touch with other NASWA members in his area

Shortwave Center

John Figliozzi • 45 Algonquin Rd • Clifton Park, NY 12065 • jfiglio1@nycap.rr.com

HFCC Successful Say Participants

17-Feb-06

Frequency coordination has improved listening quality of shortwave radio services, broadcasters attending the 4th Global Shortwave Coordination Conference in Hainan were told today.

Li Zhi, Director-General of the Administrative Bureau of Radio Stations, Radio and Television of the People's Republic of China (RTPRC), said in his opening address that the coordination conferences had played a significant role in this achievement by effectively promoting the economic use of broadcasting spectrum.

The Chairman of the High Frequency Coordination Committee, Oldrich Cip, said there had been an increase in the public awareness of shortwave coordination and this placed the conference's work under increasing public scrutiny.

Some 130 frequency managers from broad-

casting organizations in 52 countries are attending the meeting which is being held to resolve mutual interferences in shortwave broadcasts.

The conference will continue up to 17 February and is expected to produce methods and tools to improve around 10 to 15 percent of the interfered shortwave radio service.

The coordination process evolved over the years after a group of broadcasters in Europe and North America took the first pioneering steps.

This group, now known as the High Frequency Coordination Conference (HFCC), came up with several procedures and software packages to facilitate coordination and reduce interference in their services. Two similar groups were created several years ago under the auspices of the Asia-Pacific Broadcasting Union and the Arab States Broadcasting Union.

DDI-India, ABC-Australia win CBA Awards

17-Feb-06

India's public broadcaster Doordarshan (DDI) and the Australian Broadcasting Corporation are among the winners of this year's Commonwealth Broadcasting Awards.

The awards were announced in New Delhi at the CBA's General Conference. Other awards went to the Canadian Broadcasting Corporation and New Delhi Television.

DDI won the CBA-World Bank Award for programmes on development issues for the program *From Fallows to Food Baskets*. The

programme shows how villagers in India are producing more at low cost by involving the community, particularly women.

Doordarshan also won the CBA-UNICEF Award for children's program for the television drama *Joymoti*, which is the story of a girl in a tea-garden laborer's family who takes up the challenge of education.

The CBA-Amnesty International Award for human rights programs went to the Australian Broadcasting Corporation's program *A Knife's Edge*, which explores the issue of women and children in detention.

The Canadian Broadcasting Corporation won the CBA-Rolls Royce award for exceptional news feature for its program *A War in Words: An Iraqi Family Diary*.

The CBA-IBC Award for innovative engineering went to New Delhi Television.

Broadcasters seek regulators' support for additional spectrum

17-Feb-06

Shortwave broadcasters attending the 4th Global Shortwave Coordination Conference in Hainan, China, have made a strong case for more channel frequencies and asked national spectrum regulators all over the world to support their cause at the ITU's World Radiocommunication Conference 2007 (WRC-07).

The ABU's Head of Transmission Technology and Spectrum, Sharad Sadhu, said the shortwave broadcasters had clearly demonstrated the need for additional spectrum to meet the requirements of their ongoing services and overcome current congestion in the allocated spectrum in the 4-10 MHz band.

Availability of additional frequency channels is one of the biggest problems faced by shortwave broadcasters as the available quota of channels is being densely used.

WRC-07 will look at this requirement with a view to making more channels available for shortwave broadcasting.

More than 130 frequency managers of 60 shortwave broadcasters attended the meeting. The delegates addressed frequency channels for 7,350 daily transmissions and improved 19 percent of the interfered shortwave radio service.

(The previous three items are from the Asia-Pacific Broadcasting Union Latest News e-newsletter.)

Bandscan analysis of Radio Handbooks for 2006

by Anker Petersen, Denmark, 16 January, 2006.

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Again this year the publishers of the 2006 editions of the *World Radio TV Handbook* (WRTH), Nicholas Hardyman, UK, and of the *Shortwave Frequency Guide* (SWFG), from Joerg Klingenfuss, Germany, sent me review copies of their latest handbooks for a comparative analysis. On 30 October 2005 the B05 winter schedules became effective. I received the handbooks in mid December and have now analyzed and compared their value to the SW Broadcast Dixer.

This is the 60th edition of the WRTH and the 10th edition of the SWFG, so the DSWCI hereby congratulates both editorial teams on that fine achievement. It is hard work by many people to edit and publish such high quality products year after year!

Because of its big anniversary, the WRTH 2006 has been expanded to 704 pages, including 96 in full colour, with some extraordinary articles including a *Brief History of WRTH, 50 Years DXing* by Jerry Berg, *60 years of Reception* describing the receiver market (Besides that there is also the usual Review of new Receivers). This is followed by an article about *60 Years of Technology* and interviews on the *Future of Radio*. There is also a *Digital*

Radio Update and a presentation of one of the many WRTH contributors, Jose Jacob in India.

On pages 97–704 are the fully updated sections with all details about National and International Radio, MW & SW Frequency Lists as one section, on page 648 a useful list of current DRM International Broadcasts followed by Television and References.

The SWFG 2006 contains 496 pages (296 about broadcasting and 200 about utility stations). The broadcasting part begins with a comprehensive article about digital modulation including nine pages with introduction of current and coming DRM receivers and an up-to-date list of DRM schedules on LW, MW and SW. At the same time Klingenfuss has published the *2006 Super Frequency List* (SFL) on a CD-ROM with the same total of 19,100 utility and broadcast entries on SW. This modern tool is very easy to use on a PC using Windows and has excellent search functions for specific frequencies, countries, stations, languages, call signs and times—or any combination thereof!

The new WRTH costs 22.00 GBP, including worldwide postage, from the publisher in England or 32 Euro (+ postage) for members of the DSWCI from Hein Radio Bookshop, Germany. The SWFG costs 35 Euro including worldwide surface mailing from the Publisher, Klingenfuss. The SFL costs 25 Euro, but the package price for SWFG + SFL is only 50 Euro.

Bandscanning

As in my analysis a year ago, I did not choose the traditional way of reviewing each section in the handbooks. Instead I scanned through the shortwave bands randomly, selected 100 broadcast stations and identified them 100%, no matter what language.

I then checked in the two handbooks, if each particular broadcast heard, was men-

tioned in the country section and in the SW frequency list with the essential details of station name, frequency, scheduled at that time, exact language and site of transmitter. Half of the stations carried domestic broadcasts, and half of them international broadcasts. Every DXer, in Europe at least, has the possibility to listen to the same stations and check my loggings. The list with my detailed analysis has been published at <http://www.dswci.org/specials/bookreviews/200601handbooks.pdf>.

Analysis

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

I still consider it *useful*, if the handbooks can provide the DXer with additional information about geographical coordinates for his propagation calculations and ID in the language heard. Furthermore it is necessary to know current addresses (postal, e-mail and web) and QSL policy for his reception report writing.

Most of these *useful* details can be found in the WRTH, but they are still missing completely in the SWFG!

This year I noticed that there is no real difference between the information in the country sections and in the frequency lists. This is an improvement since the 2005 editions!

Comparison

I then counted how many of the 100 stations heard which had *all essential* details correct (each figure out of 50 possible):

| | WRTH | | SWFG | |
|--|---------------|----------|---------------|----------|
| | International | Domestic | International | Domestic |
| A n a l y s i s r e s u l t | 43 | 39 | 42 | 40 |
| S u m | | | | |
| A n a l y s i s r e s u l t | 82 | | 82 | |

Thus both publications are very even, but the results seem to be a little below the results, I found in the 2005 editions. But please note that the remaining 18 loggings in most cases just missed one out of five details, so my conclusion is that *96% of the details in both Handbooks are correct!*

Please be aware that changes in broadcast schedules occur nearly each day and also during the period from the editorial deadline till the printed handbook reaches the listener. It has always been so. Because of this, it is impossible to achieve a 100% score! This time particularly R Romania International and VOIRI, Iran, made changes after editorial deadlines. I must state that both handbooks are very comprehensive, up-to-date and accurate and absolutely worth purchasing!

**It is evident that
the editors of
both handbooks
once more have done
a tremendously work
to gather up-to-date
broadcasting schedules
and other information**

Both handbooks cover clandestine stations well, but again the WRTH has more details about the stations.

Conclusions

It is evident that the editors of both handbooks once more have done a tremendous work to gather up-to-date broadcasting schedules and other information for the B05 period and both have succeeded in this! Each of the handbooks is useful for the DXer and ordinary shortwave listener. I need both handbooks for my broadcast DXing on shortwave, because they supplement each other. The details published in both of them are at a very high accuracy level and can hardly be much better!

An important feature when searching for and identifying broadcast stations, is their complete frequency schedules, so that all parallel frequencies can be checked. The schedules are easily available and very complete in both handbooks and on the SFL.

The SWFG is a frequency list with SW schedules, but without other details about the stations. It is in English. I prefer the SWFG when I scan the SW broadcast bands, because the current schedule and language is available at each frequency. But I am afraid that the ordinary broadcast DXer does not have any use of the many utility pages, so I suggest again this year the book split up into two cheaper publications in the future.

In contrary to the SWFG, the WRTH also contains LW, MW, FM and some TV information. Therefore I use this handbook when I DX on these bands or need more information on sw stations. (Petersen) 

Kim's Column

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This column, with links, is available at this URL publicized only to NASWA members: www.kimandrewelliott.com/massacre.html

VOA's Monday morning massacre

A few rumors wisped about during the weekend, but most VOA employees first learned about the planned cuts in a Broadcasting Board of Governors [press release](#) on the morning of Monday, February 6. It was more news than we really wanted to hear. Despite a budget *increase*, a shift of resources to the war on terror would result in the Voice of America dropping VOA News Now, the global English service, on October 1. (English-to-Africa and Special English would continue.) The VOA Greek, Turkish, Croatian, Georgian, and Thai services would also be eliminated. Radio in Albanian, Bosnian, Hindi, Macedonian, Russian, and Serbian would also be cut, but VOA would continue television in those languages. (See my [chart](#).)

At the Radio Netherlands Media Network website, I have already written some [arguments](#) why VOA should maintain a global English service. One thing I didn't mention in that article is that VOA has large audiences in the small (mostly on islands) English-speaking nations of the Caribbean and the Pacific. Because their combined population is smaller than some U.S. states, these countries have not been given high priority by the BBG. But even small countries, as sovereign states, are capable of mischief, and thus should not be ignored. President Ronald Reagan certainly didn't ignore Grenada in 1983. The Pacific islands could become bases for Chinese naval expansion. China is also increasing contacts in the Caribbean. In both regions, terrorists, pirates, and other miscreants could establish themselves.

As for the other VOA languages on the chopping block, Thai is perhaps the most

disconcerting. In the past several months, we have seen several news accounts of the Thai government increasing its control over independent media. The elimination of BBC's Thai Service in December 2005 has left VOA Thai as the only Thai-language foreign broadcaster with a substantial news service. Will Radio Free Asia have to add a Thai Service to compensate for the loss of the VOA Thai Service?

Turkish is also problematic. Turkey may not be a front line state in the war on terror, but it is just behind the front lines. Press freedom seems precarious at times. But Turkey is plugged in to the European television scene. And it has CNN Turk, a privately funded television news channel.

For VOA Croatian and Georgian, at least those languages will still be covered by Radio Free Europe/Radio Liberty. However, coverage of U.S. domestic is not, by definition, RFE/RL's strong suit.

Not only was the news in the BBG press release disappointing, so was its wording. The budget increase is "targeted to the war on terror," as if to say U.S. international broadcasting is tied in completely with the administration's foreign policies. International broadcasting is successful only insofar as it establishes its credibility. Credibility is established by demonstrating independence from the sponsoring government. Better wording would have been: "This shift in U.S. international broadcasting resources reflects in increased informational needs of audiences in areas presently in crisis."

VOA's Wednesday morning massacre

The bad news of February 6 came even as we had not yet digested the bad news of February 1: VOA [dropped](#) about 250 hours per week of shortwave transmissions. This was part

of a government wide effort to compensate for the budget deficit, to help pay for the Hurricane Katrina recovery, and, again, to allow the shift of broadcasting resources to the war on terror.

As is the case with such big decisions in U.S. international broadcasting, it was sprung upon us subordinates with no advance notice. Perhaps this was to keep the union and others from rallying opposition. But this also meant that frequencies—in many cases one of three shortwave frequencies per transmission—were dropped without giving the *audience* any advance notice. On February 1, a listener in Vietnam, or Bangladesh, or Afghanistan, may have tuned to his/her favorite frequency, only to hear nothing. And that listener hadn't been informed what other frequencies to tune to. They may well now be former listeners.

VOA Burmese lost one of three frequencies for each of its three transmissions. A May 2005 survey showed the VOA Burmese weekly audience to have increased to amazing 20 to 30 percent in major Burmese cities. The same survey indicates 71 percent of the VOA Burmese audience listens via shortwave—as opposed to the Thailand medium wave relay, or internet or satellite audio. By depriving Burmese listeners of shortwave frequencies, VOA is snatching defeat from the jaws of victory.

VOA Indonesian also lost one shortwave frequency per transmission, at just about the time the Indonesian government implemented a new law prohibited the live relay of news from foreign broadcasters on Indonesian domestic radio and television stations.

I hope that all this elimination of shortwave frequencies does not lead to the elimination of shortwave transmitters, or shortwave transmitting sites. Members of the BBG and other senior officials of U.S. international broadcasting should know—I hope they

know—do they know?—that shortwave is the least interdictable of the media available to international broadcasting. And it is the most capable of getting into remote areas. Reducing the global U.S. shortwave transmitting network would have negative consequences for U.S. global security.

Driving to Kulpville, and back

Probably by the time you are reading this, the Winter SWL Fest in Kulpville PA is taking place, or has concluded. I will be there, of course. And one thing I look forward to is the drive up, and the drive back. My car radio happens to have an excellent AM band. I scan the AM band to hear all the stations audible from Washington to Philadelphia.

There are still small-town radio stations, one maybe 30 miles to the east of I-95, another 20 miles to the west, in Maryland, Delaware, New Jersey, and Pennsylvania. I especially enjoy listening during the drive back, on a Sunday morning. That's when many of the independent programs on the independent stations are on the air: featuring polka, gardening, home improvement, finance, or this or that religion. Many of the communities along the way still have ethnic roots, and those roots come through in some of the last ma-and-pa programming left on American radio.

The signals, mostly from low-powered transmitters, betray the distances they have traveled to reach my car. There's a bit of fading, static, and interference from other AM stations. It's a wonderful, magical cacophony.

I will savor it, because when digital transmission takes over, broadcast signals will either be perfect or absent. And the content will probably be syndicated talk or voice tracks from California.

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



Listener's Notebook

Al Quaglieri • P.O. Box 888 • Albany, NY 12201-0888 • FAX: (518) 453-0864 • al@alcue.com

ALGERIA RTV Algeria in Arabic/French again via ISS (France)

0600-0658 9885
0700-0758 11725 11830
0800-0858 13620
1200-1358 15255 17840
1900-2058 NF 9475, ex 9885
2000-2158 7325

All transmissions of **RTV Algeria** via VT Communications deleted from Feb.6

0600-0800 9735
0700-0800 12020
0800-0900 13750
1200-1400 17690 17755
1900-2100 5985
2000-2200 7105

(Observer-BUL)

AZERBAIJAN 9677.46 to. 64 *Adalan Sasi Radiosu* from Stepanakert today Feb 22nd on air. Usual distorted FM like signal. Centered at 0600 UT on 9677.64, but wandering down continuously to 9677.46 at 0620 UT. Female voice in unID language (Armenian?). Schedule Tue/Thur, but today is Wed. Had left the air, when checked at 0636 UT again. Scheduled Tue/Thur 0600-0635, and Mon/Wed 1500-1535 UT. 73 wb (Bueschel-DE/DX Listening Digest/Hauser-OK)

BELGIUM (non) Updated B-05 for TDP via transmitters in Russia and Moldova:

Dejen Radio in Tigrigna again on shortwave

1700-1800 7590 SAM We, ex Sa

Denge Mezopotamya in Kurdish

0500-1300 11530 KCH
1300-1500 11530 KCH
1500-1700 7590 KCH

Radio Free Southern Cameroons in English

1800-1900 11840 ARM Su

Radio Horyaal in Somali

1730-1800 7560 ARM Sa-Th

Sawt al Amal / Voice of Hope is new station in Arabic

1200-1400 17660 KCH (alt. 17655/17665/17670/17680)

[see LIBYA]

Tensae Ethiopia Voice of Unity in Amharic

1500-1600 12115 ARM

Voice of Delina in Tigrigna

1800-1900 7560 ARM Su

Voice of Ethiopian National United Front in

Amharic

1700-1800 7590 SAM Fr/Su

Voice of Ethiopian People in Amharic

1700-1800 7590 SAM Tu/Sa

Voice of Eritrea is new station in Tigrigna

1600-1700 9485 MSK Sa

Voice of Liberty/Eritrea in Tigrigna

1600-1700 9485 MSK We/Fr/Su

Voice of Oromo Liberation in Oromo

1700-1730 7590 SAM Mo/Th

(Observer-BUL)

BOLIVIA 5952.48 *Radio Pio XII*, Siglo XX, 1056-1107, Feb 15 and 19, short ann in Quechua, ID in Spanish: "Somos Pio XII...Somos Pio XII," Andean music. (Slaen-ARG and Wilkner-FL).

5983.7 *Radio Cooperativa*, Huanuni, Oruro; 1045-1145, Jan 26 and 27, ann: "En transmision experimental esta es Radio Cooperativa, desde..., departamento de Oruro, Bolivia," tropical songs, ID by female in Spanish and Aymara, short advs of Huanuni. New station! (Slaen-ARG/DSWCI DX-Window/Petersen-DK)

BOTSWANA I have spoken to Mr. Kingsley Reetsang of *Radio Botswana* who told me that they are currently implementing a comprehensive network of FM transmitters all over the country. Once these are in place he will do the necessary measurements and assess the situation. If the FM and AM networks do not cover Botswana 100%, a return to SW will be considered, otherwise the SW broadcasts will be abandoned permanently. (Korinek-RSA in Dexplorer, Jan 26/DSWCI DX-Window/Petersen-DK)

CHILE Test transmissions of *CVC International* in DRM mode

1800-1900 17640 Mo-Fr Voz Crista Spanish
1900-2000 17645 Mo-Fr La Voz Portuguese

(Observer-BUL)

CHINA CRI - China Radio International schedule B05

0000-0100 Cambodian 11990nnn 9765nnn
0000-0100 Cantonese 17495bei 11820xia
0000-0100 Chinese 13655xia 13580bei
11900jin 11845xia
11780bei 9790sac 6040sac

| | | | | | |
|-----------|------------|---|-----------|------------|--|
| 0000-0100 | English | 9570alb 7170alb 6020alb 5915bei | 0400-0500 | Hakka | 17710bei 17540kas 17505xia 15350kas |
| 0000-0100 | Hakka | 11945kun 9860bei 9610kun 9550kun 9460kun 6140kun | 0400-0500 | Russian | 17640xia 15665kas 15445kas 5905kas |
| 0000-0100 | Mongolian | 11875bei 9470xia | 0400-0500 | Vietnamese | 17740xia 11640kun |
| 0000-0100 | Portuguese | 11850guf 9435kas 6100bei | 0500-0600 | Cantonese | 15170bei 13655xia |
| 0000-0100 | Russian | 7110huh 5990huh 5905kas | 0500-0600 | Chinese | 15130jin 15120bei 13620xia |
| 0000-0100 | Spanish | 15120hab 9800kas 9745Bonaire 9590kas 5990hab | 0500-0600 | English | 17855bei 17725xia 17540kas 15465kas 15350kas 11880kas 11770kas 9560sac 6190sac |
| 0000-0100 | Vietnamese | 13680xia 11770bei 9665kun | 0500-0600 | English-AF | 17505kas 7220alb |
| 0000-0200 | English | 11650bei 7345kas 7180kas 6075kas | 0500-0600 | Russian | 15665xia 15445kas |
| 0100-0200 | Amoy | 17495bei 15425xia 11980kun 11945kun 9860B1 9610kun 9550kun 9460kun | 0500-0600 | Vietnamese | 17740xia 11640kun |
| 0100-0200 | Chinese-AS | 13580bei | 0500-0700 | Arabic | 17485kas 9590alb 7120alb 5985alb |
| 0100-0200 | English | 9580hab 7300kas 6080sacDRM 6005sac 9570alb 7170alb 6020alb | 0600-0700 | Chinese | 17740xia 17650kas 15120bei 13750kun 13620xia |
| 0100-0200 | Russian | 13600xia 5905kas | 0600-0700 | Chinese-EA | 15170bei 13655xia |
| 0100-0200 | Spanish | 9710kas 9590kas | 0600-0700 | English | 17710bei 17540kas 15465kas 15350kas 15140kas 13645xia 11880kas 11770kas 6115sac |
| 0100-0200 | Urdu | 7155kas 6020kas | 0600-0700 | English-AF | 17505kas 11750alb |
| 0100-0300 | Chinese-EA | 15160bei 13655xia | 0600-0700 | French | 15220kas |
| 0130-0230 | Nepalese | 13780kun 11860kun | 0600-0700 | Italian | 15620kas |
| 0200-0230 | Pashto | 7150kas 6065kas | 0600-0700 | Spanish | 15135kas |
| 0200-0300 | Bengali | 11640xia 9655kun | 0600-0800 | German | 17720uru 15245kas |
| 0200-0300 | Chinese | 11695bei 9690E 9580hab 9570alb 7330kas 7170alb 6020alb | 0700-0800 | Chaozhou | 15145xia 13730xia 17740xia 17650kas 13750kun 11785alb |
| 0200-0300 | English | 13640kas 11770kas 9550kas 9480G | 0700-0800 | Chinese | 17710bei 17540kas 17490kas 15465kas 15350kas 13685alb 13645xia 11880kas 11855alb |
| 0200-0300 | Hakka | 17495bei 15425xia | 0700-0800 | English | 15220kas |
| 0200-0300 | Russian | 17640xia 5915kas | 0700-0800 | Spanish | 15135kas |
| 0200-0300 | Spanish | 13685G 9710kas 9590kas | 0700-0900 | Cantonese | 13610kas 11640bei |
| 0200-0300 | Tamil | 13715kun 13610kas 11870kas | 0800-0900 | Chinese | 17650kas 17560xia 15565xia 11785alb 9880jin |
| 0230-0330 | Nepalese | 13780kun 11730kun | 0800-0900 | English | 17540kas 17490kas 15465kas 15350kas 13685alb 11880kas 11855alb 9415xia |
| 0300-0400 | Chinese | 17540bei 15160bei 15130jin 13655xia 9720G 9590uru 7170alb 6020alb | 0800-0900 | Russian | 15665kas 15360kas |
| 0300-0400 | English | 15120bei 15110kas 13620xia 11770kas 9790hab 9690E 9460bei | 0830-0930 | Indonesian | 17735bei 15135kun |
| 0300-0400 | Hindi | 15350kas 15210kas 13720kas 11640kas | 0900-1000 | Chinese | 17670kun 17560xia 17500kas 15565xia 15525uru 15440kun 15340xia 15250kun 13850bei 11980kun 9880jin 9440bei 7190bei |
| 0300-0400 | Russian | 17710xia 15435xia 11710bei 5915kas | 0900-1000 | English | 17750kas 17690jin 17490kas 15350kas 15210kun 9415xia 17650kas |
| 0300-0400 | Spanish | 9560sac 9665bra | 0900-1000 | French | 17650kas |
| 0300-0400 | Tamil | 13735kas 13600kun | 0900-1000 | Romanian | 9460alb 7130alb |
| 0400-0500 | Cantonese | 15160bei 13655xia 9790hab | | | |
| 0400-0500 | Chinese | 15170kas 15130jin 13640kas | | | |
| 0400-0500 | English | 17855bei 17725xia 15120bei 13620xia 9755G 9560sac 9460bei 6190sac | | | |

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| 0900-1000 | Russian | 15665kas 15360kas | 1230-1330 | Lao | 9785kun 7360kun |
| 0930-1030 | Malay | 17680nnn 15135kun | 1230-1330 | Malay | 15600kun 11955kun |
| 1000-1100 | Cantonese | 17670kun 17500kas 15440kun | 1300-1330 | Burmese | 11780xia 9880kun |
| 1000-1100 | Chinese | 17650kas 9880jin 6020bei | 1300-1400 | Bengali | 11610kun 9600xia 9490kas |
| 1000-1100 | English | 17690jin 17490kas 15350kas 15210kun 15190kas 13720xia 13590bei 7215xia 7135bei 5955bei | 1300-1400 | Chinese | 13650uru 9855kun 7205jin 7160nnn |
| 1000-1100 | Hakka | 15525uru 15340xia 15250kun 13850bei 11980kun 7255xia 17570kas 15220kas | 1300-1400 | English | 17490kas 15540sgo 15415jin 15230sac 13790uru 13610kas 11980kun 11900kun 11885sac 11760kun 9870xia 9765xia 9570hab 7300kas 5955bei |
| 1000-1100 | Hungarian | 17570kas 15220kas | 1300-1400 | English-af | 13630M 11640M |
| 1000-1100 | Japanese | 9440xia 7190bei | 1300-1400 | Esperanto | 11650xia 9440bei |
| 1000-1100 | Russian | 7290szg 7110huh 5915huh | 1300-1400 | Hindi | 9635kun 7265kas |
| 1030-1130 | Cambodian | 17680nnn 15160nnn 684dof | 1300-1400 | Japanese | 7215xia 7190bei |
| 1030-1130 | Indonesian | 15135kun 11700kun | 1300-1400 | Korean | 5965xia 1323cah |
| 1100-1200 | Bulgarian | 7130alb | 1300-1400 | Mongolian | 7285bei 6100bei |
| 1100-1200 | Cantonese | 13580kun 9645bei 9590kun 9540bei | 1300-1400 | Russian | 9675szg 7180xia 5990huh 5915huh 5905kas |
| 1100-1200 | Chaozhou | 11875kun 9440kun | 1300-1400 | Vietnamese | 11990kun 9685xia 9550bei |
| 1100-1200 | Chinese | 17650kas 11620bei 9515kas 7160jin | 1330-1430 | Burmese | 11780xia 9880kun |
| 1100-1200 | Czech | 17570kas 15225kas | 1330-1430 | Indonesian | 15135kun 11955kun |
| 1100-1200 | English | 17490kas 13720xia 13665alb 13645kas 11795kas 5960sac 5955bei | 1330-1430 | Thai | 9785kun 7360kun |
| 1100-1200 | Esperanto | 9720uru 7210uru | 1400-1500 | Amoy | 11650xia 9655uru |
| 1100-1200 | Japanese | 7200xia 7190bei | 1400-1500 | Bengali | 11610kun 9490kas |
| 1100-1200 | Korean | 5965xia | 1400-1500 | Cambodian | 9600kun 6055kun |
| 1100-1200 | Mongolian | 7170xia 7110huh | 1400-1500 | Chinese | 7210jin |
| 1100-1200 | Portuguese | 15540sgo | 1400-1500 | English | 17630M 15230sac 13685M 13740hab 13675sac 13610kas 11775kas 11765uru 11675kun 9795uru 9765xia 9700kas 9560kas 5955bei |
| 1100-1200 | Russian | 7290szg 6080xia 5915huh | 1400-1500 | Japanese | 7115xia 7190bei |
| 1100-1200 | Vietnamese | 11990xia 11600xia 9550bei | 1400-1500 | Korean | 5965xia |
| 1130-1200 | Burmese | 11780xia 9880kun | 1400-1500 | Mongolian | 5990huh 5915huh |
| 1130-1200 | Filipino | 12110kun 7180jin | 1400-1500 | Nepalese | 7180bei 7160kun |
| 1130-1230 | Thai | 9785kun 7360kun | 1400-1500 | Russian | 9450xia 7330xia 5905kas |
| 1200-1230 | Filipino | 12110kun 11640xia | 1400-1500 | Sinhalese | 15145kun 11900jin 7265kas |
| 1200-1300 | Cambodian | 17680nnn 11680nnn 9440kun | 1400-1500 | Tamil | 11685kas 9665kun |
| 1200-1300 | Chinese | 15540sgo 11875kun 9855kun 9570hab 7205kas 7180jin 7160nnn | 1400-1500 | Urdu | 7285kas 6075kun |
| 1200-1300 | Chinese | 15110uru | 1400-1500 | Vietnamese | 11990xia 9550bei |
| 1200-1300 | English | 17490kas 15415jin 13790uru 13665alb 11980kun 11760kun 9730bei 9460kas 7250kas 5955bei | 1400-1600 | French | 13670kas 11920alb |
| 1200-1300 | Japanese | 7190bei 7150xia | 1430-1500 | Filipino | 12110kun 7325bei |
| 1200-1300 | Korean | 5965xia 1323cah | 1430-1530 | Lao | 9675kun 7360kun |
| 1200-1300 | Mongolian | 5990huh 5915huh | 1500-1530 | Pashto | 11880kun 9665kun |
| 1200-1300 | Russian | 9685szg 9590uru 7215xia 7140szg 6100bei 5905kas | 1500-1530 | Persian | 11700kun 6165kas |
| 1200-1300 | Serbian | 7130alb | 1500-1600 | Bengali | 9690kun 9610xia |
| 1200-1300 | Vietnamese | 11990kun 11600xia 9550bei | 1500-1600 | Chinese | 9740kas 9700kas 9560kas 7265kas 7150bei |
| 1200-1400 | French | 17650kas | 1500-1600 | English | 17630M 13685M 13740hab 13675sac 11775kas 9785jin 9525kas 9435uru 7325bei 7160kas 6100mey 5955xia |
| | | | 1500-1600 | Hindi | 7235uru 7115kas |
| | | | 1500-1600 | Japanese | 7190xia 5980bei |

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| 1500-1600 | Nepalese | 9535kun 7215kun | 1900-1930 | Romanian | 7305F 6145xia |
| 1500-1600 | Russian | 6180bei 6105szg 6025xia 5990huh 5965bei 5915huh 5905kas | 1900-2000 | Cantonese | 9770kas 7215szg |
| 1500-1600 | Tamil | 11800kas 9490kun | 1900-2000 | English | 9585kun 9440bei 7295kun |
| 1500-1600 | Turkish | 9565alb 7120alb | 1900-2000 | Portuguese | 13630M/11640M fr1930 9635kas 9535xia 7335jin 7180kun |
| 1500-1600 | Urdu | 7285kas 6075kun | 1900-2000 | Russian | 7245xia 6110xia 6100kas 5905kas |
| 1500-1600 | Vietnamese | 9550bei | 1900-2000 | Turkish | 9655kun 7255kun 7220msk(fr1930) |
| 1530-1600 | Pashto | 11880kun 9665kas 6165kas | 1930-2000 | Albanian | 7130kun 6020szg |
| 1600-1700 | Arabic | 17880M 15125M 11725alb 9610kas 9555alb 7300kas 7245bei 7130spb | 1930-2000 | Czech | 7305F 7150xia |
| 1600-1700 | English | 11900xia 9570xia 9525kas 9435kas 7255kas 6100mey | 1930-2000 | Romanian | 7200jin 6145xia |
| 1600-1700 | French | 9700kas | 1930-2030 | Esperanto | 9745uru 7265kas |
| 1600-1700 | Hakka | 11825xia 9770uru | 2000-2030 | Serbian | 9855kun 7180uru 7130kas |
| 1600-1700 | Hindi | 9690kun 7235uru 7120kun 5915kas | 2000-2100 | Arabic | 7215alb 6185alb |
| 1600-1700 | Russian | 9765szg 7265xia 6040szg 5905kas | 2000-2100 | Chinese | 9865kun 7335uru 7245bei 7120xia |
| 1600-1700 | Swahili | 12000kas 11600xia 7160xia 5985bei | 2000-2100 | English | 13630M 11640M 9600kas 9490uru 9440bei 7295kun 7285alb 7190kas 5960alb 7150kas 6145F 6020szg 9730uru 7255xia 6100kas 6040xia |
| 1600-1700 | Turkish | 7325xia 6165uru | 2000-2100 | Polish | 7150kas 6145F 6020szg |
| 1600-1700 | Vietnamese | 11990xia 7360kun 6010xia | 2000-2100 | Russian | 9720uru 7160xia |
| 1600-1800 | German | 7155alb 5970alb | 2030-2100 | Bulgarian | 9720uru 7160xia |
| 1700-1800 | Arabic | 11725alb 9555alb 7300kas | 2030-2100 | Hungarian | 9585kas 7110jin |
| 1700-1800 | Cantonese | 9770uru 7220xia | 2030-2130 | Italian | 7265kas 7180kas |
| 1700-1800 | English | 11900jin 7255kas 6100xia 6100mey | 2030-2230 | French | 11660kas 7215Samara to 2127 7200uru |
| 1700-1800 | Esperanto | 7245xia | 2100-2130 | Albanian | 6145F |
| 1700-1800 | French | 7350kas | 2100-2130 | English | 13630M 11640M |
| 1700-1800 | Russian | 9795uru 9765szg 7265uru 7105xia 6070xia 6040szg 5905kas | 2100-2130 | Serbian | 7160uru 7110jin |
| 1700-1800 | Swahili | 15125M/11640M to 1727 11600xia 5985bei | 2100-2200 | Arabic | 9725uru 9695kas 7260kun 7215alb 6185alb |
| 1730-1800 | Hausa | 13670M 11640M | 2100-2200 | English | 9600kas 9490uru 7285alb 7190kas 5960alb |
| 1730-1830 | Chinese | 9745kun 9645kun 7315kun 7160uru 7120uru 6150kun | 2100-2200 | Korean | 7180xia |
| 1800-1830 | Hausa | 13670M 11640M | 2100-2200 | Portuguese | 17645sgo |
| 1800-1830 | Persian | 9670kun 7140uru 7130spb | 2100-2300 | Spanish-EU | 9640kas 6020szg |
| 1800-1900 | Chaozhou | 7285xia 6010bei | 2130-2200 | Hungarian | 7120xia 6145F |
| 1800-1900 | Chinese | 6100mey | 2130-2230 | French | 13630M 11975M |
| 1800-1900 | English | 6100kas | 2200-2300 | Chinese | 11945kun 9460kun 7325kun 7305jin 7265kun 7220kun 7190xia 6140kun |
| 1800-1900 | Italian | 7340kas 7150jin | 2200-2300 | English | 7170msk 5915bei |
| 1800-1900 | Russian | 9535F 7255kas 7190xia 6070xia 5905kas | 2200-2300 | Esperanto | 11700kas 9860kas |
| 1800-2000 | French | 7385alb 7180alb 6055alb 5970alb | 2200-2300 | Japanese | 7110bei 5985xia |
| 1800-2000 | German | 11775kas 9615uru 7170kas | 2200-2300 | Korean | 7210xia |
| 1830-1900 | Bulgarian | 9695jin 7265xia 6020szg | 2200-2300 | Portuguese | 9685kas 9410kas 6175alb |
| 1830-1900 | Hausa | 11730kun 9495kas | 2200-2300 | Spanish-AM | 13700sac 9490bei |
| 1830-1900 | Persian | 9670kun 7140uru | 2200-2400 | Spanish-EU | 7250uru 7210alb |
| 1830-1930 | Arabic | 13685M 11640M 7315kun 7200msk 6175kas | 2230-2300 | Chinese | 15505M 11975M |
| 1830-2030 | French | 9645kun 7350kun | 2300-2400 | Cambodian | 9765nnn |
| 1900-1930 | Albanian | 7265xia 7130kun | 2300-2400 | Cantonese | 11945bei 9965kun 9460kun 9425jin 7325kun 6140kun |
| 1900-1930 | Czech | 7150xia 6020szg | 2300-2400 | Chinese | 11975M 11900jin 7170M 11970sac 7180kas 6145bei 6040sac 5990hab 5915kas |
| 1900-1930 | Hungarian | 9560uru 7110jin | 2300-2400 | Japanese | 9695bei 9435xia |
| | | | 2300-2400 | Mongolian | 7205xia 6185xia |

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| 2300-2400 | Portuguese | 13650hab 6100bei | 0500-0700 | 4750x 4800gm 6030bei 7230x 9500sz |
| 2300-2400 | Russian | 7110huh 5990huh 5905kas | | 9630gm 9645bei 9675bei 9845bei |
| 2300-2400 | Spanish-AM | 9800kas 9590kas 6175alb | | 11720sz 11750sz 11760sz 11960bei |
| 2300-2400 | Vietnamese | 9415bei 7220kun 603dof | | 12045bei 13610gx 15370sz 15380bei |
| 2330-0030 | Sinhalese | 9490kas 6065kas | | 15480bei 15550bei 17550bei 17565bei |
| | Foreign Relays through facilities in China: | | | 17580sb 17595sz 17605bei 17890bei |
| | RFI | | | 0700-0730 |
| 0100-0200 | French | 13690kunum | | 4750x 4800gm 6030bei 7230x 9500sz |
| 1100-1200 | French | 11600xia | | 9630gm 9645bei 9675bei 9845bei |
| 1200-1300 | Khmer | 11600xia | | 11630sb 11720sz 11750sz 11760sz |
| 1400-1500 | English | 7180xia | | 11960bei 12045bei 12055sb 13610gx |
| 1600-1700 | French | 6090kunum | | 13700sb 15370sz 15380bei 15390sb |
| | REE | | | 15480bei 15550bei 17550bei 17565bei |
| 1000-1200 | Spanish (9660B1) | | | 17580sb 17595sz 17605bei 17890bei |
| 1200-1400 | Spanish | 11910xia | | 0730-0830 |
| | VOR | | | 4750x 4800gm 6030bei 7230x 9500sz |
| 1500-1600 | English | 9660xia | | 9630gm 9645bei 9675bei 9830bei |
| | RCI | | | 9845bei 11630sb 11720sz 11750sz |
| 0000-0100 | English | 9880kun | | 11760sz 11960bei 12045bei 12055sb |
| 1500-1600 | English | 11975uru 9635kun | | 13610gx 13700sb 15370sz 15380bei |
| 1800-1900 | English | 9770kas 7185kas | | 15390sb 15480bei 15550bei 17550bei |
| | China National Radio | | | 17580sb 17595sz 17605bei 17890bei |
| | CNR1 | | | 0830-0900 |
| 0000-0030 | | 4460bei 4750x 4800gm 5945bei | | 4750x 4800gm 6030bei 7230x 9500sz |
| | | 6030bei 6125sz 7230x 7290bei 9500sz | | 9630gm 9675bei 9830bei 9845bei |
| | | 9630gm 9675bei 9830bei 9845bei | | 1170bei 11720sz 11750sz 11760sz |
| | | 11710bei 11720sz 11750sz 11760sz | | 11925sb 11960bei 12045bei 13610gx |
| | | 11925sb 11960bei 12045bei 13610gx | | 13700sb 15550bei |
| | | 13700sb 15550bei | | 0900-1000 |
| 0030-0100 | | 4460bei 4750x 4800gm 5945bei | | 4460bei 4750x 4800gm 6030bei |
| | | 6030bei 6125sz 7230x 7290bei 9500sz | | 6175bei 7230x 7305sz 7345bei 9500sz |
| | | 9630gm 9675bei 9830bei 9845bei | | 9630gm 9675bei 9830bei 9845bei |
| | | 11710bei 11720sz 11750sz 11760sz | | 11720sz 11760sz 12045bei 13610gx |
| | | 11925sb 11960bei 12045bei 13610gx | | 15370sz 15380bei 15480bei 17580sb |
| | | 13700sb 15380bei 15550bei | | 17595sz 17605bei 17890bei |
| | | 15550bei | | 1000-1100 |
| 0100-0130 | | 4750x 4800gm 6030bei 7230x 7290bei | | 4460bei 4750x 4800gm 5030bei |
| | | 9500sz 9630gm 9645bei 9675bei | | 5945bei 6030bei 6125sz 6175bei |
| | | 9845bei 11710bei 11720sz 11750sz | | 7230x 7305sz 7345bei 9500sz 9630gm |
| | | 11760sz 11925sb 11960bei 12045bei | | 9830bei 9845bei 11710bei 11720sz |
| | | 13610gx 13700sb 15370sz 15380bei | | 11760sz 11925sb 12045bei 12055sb |
| | | 15480bei 15550bei 17550bei 17565bei | | 13610gx 13700sb 15370sz 15380bei |
| | | 17595sz | | 15390sb |
| | | 17595sz | | 1100-1200 |
| 0130-0200 | | 4750x 4800gm 6030bei 7230x 7290bei | | 4460bei 4750x 4800gm 5030bei |
| | | 9500sz 9630gm 9645bei 9675bei | | 5945bei 6030bei 6125sz 6175bei |
| | | 9845bei 11720sz 11750sz 11760sz | | 7230x 7275bei 7305sz 7345bei 9500sz |
| | | 11925sb 11960bei 12045bei 13610gx | | 9630gm 9710sz 9830bei 9845bei |
| | | 13700sb 15370sz 15380bei 15480bei | | 9860bei 11710bei 11760sz 11925sb |
| | | 15550bei 17550bei 17565bei 17595sz | | 13610gx |
| | | 17605bei | | 1200-1300 |
| 0200-0500 | | 4750x 4800gm 6030bei 7230x 9500sz | | 4460bei 4750x 4800gm 5030bei |
| | | 9630gm 9645bei 9675bei 9845bei | | 5945bei 6030bei 6080gm 6125sz |
| | | 11630sb 11720sz 11750sz 11760sz | | 6175bei 7110sz 7230x 7275bei |
| | | 11960bei 12045bei 12055sb 13610gx | | 7290bei 7305sz 7345bei 9420sb |
| | | 13700sb 15370sz 15380bei 15390sb | | 9500sz 9630sb 9710sz 9830bei |
| | | 15480bei 15550bei 17550bei 17565bei | | 9845bei 9860bei 9890sb 11710bei |
| | | 17580sb 17595sz 17605bei 17890bei | | 11925sb 13610gx |
| | | | | 1300-1400 |
| | | | | 4460bei 4750x 4800gm 5030bei |
| | | | | 5945bei 6030bei 6080gm 6125sz |
| | | | | 6175bei 7110sz 7230x 7275bei |
| | | | | 7290bei 7305sz 7345bei 9420sb |
| | | | | 9500sz 9630sb 9710sz 9810gx |
| | | | | 9830bei 9845bei 9860bei 9890sb |
| | | | | 11710bei 11925sb |

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| 1400-1730 | 4460bei 4750x 4800gm 5030bei 5945bei 6030bei 6080gm 6125sz 6175bei 7110sz 7230x 7275bei 7290bei 7305sz 7345bei 9500sz 9710sz 9810gx 9830bei 9845bei 9860bei 9890sb 11710bei 11925sb | 0300-0400 | 7140gm 9530x 9570gm 9620bei 9720x 9810x 11610bei 11660x 11670bei 11685x 11800bei 11835x 11845x 11915x 12080x 15270bei 15500bei 15540x 15570x 17625bei |
| 1730-1735 | 4460bei 4750x 4800gm 5030bei 5945bei 6030bei 6080gm 6125sz 6175bei 7110sz 7230x 7275bei 7290bei 7305sz 7345bei 9500sz 9710sz 9830bei 9845bei 9890sb 11710bei 11925sb | 0400-0500 | 7140gm 9570gm 9620bei 9720x 9810x 11610bei 11660x 11670bei 11800bei 11835x 11845x 11915x 12080x 15270bei 15540x 15500bei 17625bei |
| 2000-2200 | 4460bei 4750x 4800gm 5030bei 5945bei 6030bei 6080gm 6125sz 6175bei 6180sb 6950sz 7230x 7275bei 7290bei 7305sz 7345bei 9455sb 9500sz 9655sb 9710sz 9810gx 9830bei 9845bei 9890sb 9900bei 11710bei 11925sb | 0500-0800 | 7140gm 9530x 9570gm 9620bei 9720x 9810x 11610bei 11660x 11670bei 11685x 11800bei 11835x 11845x 11915x 12080x 15270bei 15500bei 15540x 15570x 17625bei |
| 2200-2300 | 4460bei 4750x 4800gm 5030bei 5945bei 6030bei 6080gm 6125sz 6175bei 6180sb 6950sz 7230x 7275bei 7290bei 7345bei 9455sb 9500sz 9655sb 9710sz 9810gx 9830bei 9845bei 9890sb 9900bei 11710bei 11750sz 11925sb | 0800-0900 | 7140gm 9570gm 9620bei 9720x 9810x 9820x 11610bei 11660x 11670bei 11800bei 11835x 11915x 12080x 15270bei 15500bei 15540x 17625bei 3985gm 7245bei 7315x 7350x 9480x 9530x 9570gm 9720x 9775bei 9810x 9820x 11610bei 11670bei 11800bei 11835x 11915x 12080x 15500bei 15540x 17625bei |
| 2300-2330 | 4460bei 4750x 4800gm 5945bei 6030bei 6125sz 6175bei 6180sb 6950sz 7230x 7290bei 7345bei 9455sb 9500sz 9630gm 9655sb 9675bei 9710sz 9830bei 9845bei 11710bei 11750sz 11925sb 12045bei 13610gx 13700sb | 0900-1000 | 3985gm 6090gm 6155bei 7245bei 7315x 7335x 7350x 9480x 9515bei 9530x 9755x 9775bei 9810x 9820x 11610bei 11670bei 11800bei 11835x 15540x |
| 2330-2400 | 4460bei 4750x 4800gm 5945bei 6030bei 6125sz 6175bei 6180sb 6950sz 7230x 7290bei 7345bei 9455sb 9500sz 9630gm 9655sb 9675bei 9830bei 9845bei 11710bei 11720sz 11750sz 11925sb 12045bei 13610gx 13700sb | 1030-1100 | 3985gm 6010x 6090gm 6155bei 7245bei 7315x 7335x 7350x 9480x 9515bei 9755x 9775bei 9810x 9820x 11610bei 11670bei 11800bei 11835x 15540x |
| | | 1100-1200 | 3985gm 6010x 6090gm 6155bei 7130x 7140bei 7245bei 7315x 7335x 7350x 7375bei 9480x 9515bei 9755x 9775bei 9810x 9820x 11670bei 11740x |
| | | 1200-1230 | 3985gm 6010x 6065bei 6090gm 6155bei 7130x 7140bei 7245bei 7315x 7335x 7350x 7375bei 9480x 9515bei 9755x 9775bei 9810x 9820x 11740x |
| CNR2 | | 1230-1300 | 3985gm 6010x 6065bei 6090gm 6155bei 7130x 7140bei 7150x 7245bei 7315x 7335x 7350x 7375bei 9480x 9515bei 9755x 9775bei 9820x 11740x |
| 0000-0030 | 6040bei 6090gm 6155bei 7130x 7140gm 7150x 7245bei 7315x 7335x 9480x 9530x 9720x 9755x 9775bei 9810x 9820x 11610bei 11670bei 11685x 11740x 17625bei | 1300-1400 | 3985gm 6065bei 6090gm 6155bei 7130x 7140bei 7150x 7245bei 7315x 7335x 7375bei 9515bei 9755x 9775bei 9820x 11740x |
| 0030-0100 | 6090gm 6155bei 7140gm 7150x 7245bei 7315x 9480x 9530x 9720x 9755x 9775bei 9810x 9820x 11610bei 11670bei 11685x 11740x 11800bei 11835x 11915x 17625bei | 1400-1600 | 3985gm 6010x 6065bei 6090gm 6155bei 7130x 7140bei 7150x 7245bei 7315x 7335x 7350x 7375bei 9480x 9515bei 9755x 9775bei 9820x 11740x |
| 0100-0200 | 6090gm 6155bei 7140gm 9530x 9620bei 9720x 9755x 9810x 11610bei 11660x 11670bei 11685x 11800bei 11835x 11845x 11915x 15270bei 15540x 15570x 17625bei | 2100-2300 | 6010x 6040bei 6065bei 6090gm 6155bei 6190gm 7130x 7140bei 7150x 7245bei 7315x 7335x 7360x 9480x 9515bei 9755x 9775bei 9820x 11740x |
| 0200-0300 | 6090gm 7140gm 9530x 9620bei 9720x 9810x 11610bei 11660x 11670bei 11685x 11800bei 11835x 11845x 11915x 12080x 15270bei 15500bei 15540x 15570x 17625bei | 2300-2330 | 6040bei 6065bei 6090gm 6155bei 6190gm 7130x 7140bei 7150x 7245bei 7315x 7335x 9515bei 9755x 9775bei 9820x 11740x |

2330-2400 6040bei 6090gm 6155bei 6190gm
7130x 7140bei 7150x 7245bei 7315x
7335x 9515bei 9755x 9775bei 9820x
11670bei 11740x

bei=Beijing
gm=Ge'ermu, QH
gx=Guangxi
kas=Kashi-Kashgar
qiq=Qiqiqhar
sb=Shanxi, Lingshi
sz=Hebei, Shijiazhuang
uru=Urumchi
x=X'ian

CNR5 Taiwan Service

0055-0615 5925 7620 11935 11620 9685
0955-2200 5925 7620 9410
2200-0005 5925 7620 9665

CNR6 2nd Taiwan Service

0355-1100 11905 15880
1100-1200 9170 11905
1200-1805 6165 9170
2055-0105 6165 9170

CNR8

0000-0100 Uighur 15670 11810 11630 9890
9655 9455
0100-0200 Kazakh 15670 11810 15390
11630 9890 9455
0200-0300 Korean 6020 9610
0300-0400 Mongolian 11815 9610
0400-0500 Tibetan 15570 11685 9530
0500-0600 Kazakh 15415 11780 15390
13700 12055 11630
0600-0700 Uighur 15415- 11780- 15390+
13700+ 12055+ 11630+
0700-0800 Mongolian 11815- 9610-
0800-0900 Tibetan 11685- 9530- 9480-
0900-1000 Kazakh 15415 11780 15390
13700 12055 11630
1000-1100 Korean 7120 9610
1100-1200 Uighur 11720 9690 12055 11630
9890 9420
1200-1300 Mongolian 9610 5420
1300-1400 Tibetan 9480 7350 6010
1400-1500 Kazakh 7120 9890 9645 9630
9420 6180
1500-1600 Uighur 7120 9890 9645 9630
9420 6145
1600-1700 Mongolian 9890 9645 9630 9420
6145
2100-2200 Korean 5420 4190
2200-2300 Mongolian 5420 9550
2300-2400 Tibetan 9480 7360 6010

+ not Tu.
- not We.

Tibet People's Broadcasting Station

0000-0030 Chinese 4820 5935 6050 7170 7240
0000-0200 Tibetan 4905 4920 5240 6110 6130
6200 7125 7385

0030-0100 CNR1 4820 5935 6050 7170 7240
0100-0200 Chinese 4820 5935 6050 7170 7240
0200-0400 Tibetan 4905 4920 5240 6110 6130
6200 9490 9580 (except Tu
0600-0930)
0200-0900 Chinese 4820 5935 6050 11860
11950
0400-0500 CNR8 4905 4920 5240 6110 6130
6200 9490 9580 (except Tu
0600-0930)
0500-0930 Tibetan 4905 4920 5240 6110 6130
6200 9490 9580 (except Tu
0600-0930)
0900-1030 Chinese 4820 5935 6050 7170 7240
0930-1000 Tibetan 4905 4920 5240 6110 6130
6200 7385 9490 (except Tu)
1000-1300 Tibetan 4905 4920 5240 6110 6130
6200 7125 7385
1030-1100 CNR1 4820 5935 6050 7170 7240
1100-1730 Chinese 4820 5935 6050 7170 7240
1300-1400 CNR8 4905 4920 5240 6110 6130
6200 7125 7385
1400-1800 Tibetan 4905 4920 5240 6110 6130
6200 7125 7385
2000-2230 Chinese 4820 5935 6050 7170 7240
2100-2300 Tibetan 4905 4920 5240 6110 6130
6200 7125 7385
2230-2300 CNR1 4820 5935 6050 7170 7240
2300-2400 Chinese 4820 5935 6050 7170 7240
2300-2400 CNR8 4905 4920 5240 6110 6130
6200 7125 7385

Voice of Strait

0000-1200 Amoy 6115
0000-1200 entertainment 7280
0000-1200 news 11590
1200-1700 Amoy 4900
1200-1700 entertainment 5050
1200-1700 news 4940
2225-2400 Amoy 4900
2225-2400 entertainment 5050
2225-2400 news 4940

China Huayi Broadcasting Corporation

0100-1200 6185
1200-1700 4830
2230-0100 4830

Voice of Pujiang

1200-1600 3280 4950 5075

Qing Hai People's Broadcasting Station (QH-BS)

2200-1600 Chinese 4750 6145 9780 We-Mo (not
Tu. 0600-0855)

Qing Hai Traffic & Music Broadcasting Station

0230-0830 Tibetan 9850
0800-0900 CNR8 4220 5990
relay
2250-1600 Tibetan 4220 5990 9850

Yushu People's Broadcasting Station

2255-0100 Tibetan 6075 (off 1025-1230)

Gannan People's Broadcasting Station in Tibetan and Chinese

2220-0100 3990 5970
0950-1400 3990 5970
2300-1300 3990 5970 relay CNR8

Nei Menggu Radio Station

0045-0800 Mongolian 7210 7270 9750
0120-0900 Chinese 7105 7165 9520
0800-0805 Mongolian 7270
0805-0830 Mongolian 4785 6195 7270
0830-0835 Mongolian 4785 6195
0835-1605 Mongolian 4525 4785 6195
0905-1605 Chinese 4000 4620 6045
2150-0040 Mongolian 4525 4785 6195
2150-0115 Chinese 4000 4620 6045

Xinjiang People's Broadcasting Station (XJBS)

0000-0300 Kazakh 4330
0000-0330 Mongolian 6190 7230
0200-0300 Uighur 3990 4980 6120 13670
0300-1200 Chinese 5960 7155 9600 11770
0300-1200 Kazakh 7340 9470
0300-1200 Uighur 7275 9560 11885 13670
0330-0530 Kyrgyz 7120 9705
0530-1030 Mongolian 7230 9510
1030-1230 Kyrgyz 7120 9705
1200-1300 Chinese 3950 5060 5960 9600
1200-1400 Uighur 3990 4980 6120 13670
1200-1800 Kazakh 4330 6015
1230-1800 Mongolian 4500 6190
1300-1800 Chinese 3950 5060 5960 7310
1400-1800 Uighur 3990 4980 6120 7195
2330-0200 Uighur 3990 4980 6120 7195
2330-0300 Kazakh 6015
2330-0400 Chinese 3950 5060 5960 7310

Guangxi Foreign Broadcasting Station

1000-1200 Vietnamese 5050 9820
1200-1400 Cantonese 5050 9820
1400-1600 Vietnamese 5050 9820
2300-0100 Vietnamese 5050 9820

(NDXC-JPN pages updated in January/February 2006; via JKB/Worldwide DX Club DX Magazine/Kubiak-DE)

CLANDESTINE—AFRICA 7175 and 8037, *Voice of the Somali People*, new station, will start broadcasting on Feb 01 in Somali, on Wed at 1000 and Sat at 1730. (Audio website of Ethiopian opposition Radio Freedom, Voice of the Ogadeni People, via BBC Monitoring report, Jan 26 via Schoech). Heard via Asmara on 7175 at 1730, Sa Feb 04, clear signal. (Ritola-FIN via Dxplore/DSWCI DX-Window/Petersen-DK)

17660 *Sawt al-Amal* (Voice of Hope) towards Libya, *1200-1400*, Jan 26. Built quickly, fairly good albeit fadey, fully readable, quick "Sawt al-Amal" ID, talk and music. (Berg-MA and Ritola-FIN/DSWCI DX-Window/Petersen-DK) later, but first background information (Ed):

Forced off satellite by a sophisticated and aggressive jamming campaign orchestrated by the government of Libya, *Sawt al Amal*, Libya's Voice of Hope, returned to the airwaves Jan 25 after weeks of silence. Response from listeners inside Libya, who were alerted in advance to the station's return through articles in the online Arabic-language press, has been positive. According to station director Jalal El Giathi, one listener wrote to say that the programs "are like fresh air that clears the pollution of the regime's propaganda." Independent media and the freedom of speech are not permitted in Libya. Journalists brave enough to counter the regime's lines are routinely imprisoned and, in many cases, murdered.

In order to remain on the air, *Sawt al Amal* had to turn to short wave. Originally broadcast on satellite, its feed was intentionally jammed by Tripoli, resulting in widespread disruptions that affected BBC, ESPN, CNN and U.S. and U.K. diplomatic and military communications traffic sharing the same satellite. *Sawt al Amal* was removed from the airwaves by the satellite provider and placed on a different satellite, which also suffered from the jamming attacks. The station was then ordered to "voluntarily" suspend its programs.

Intentional jamming of broadcast and communications traffic is a violation of the International Telecommunications Union regulations, which Libya is a signatory. Diplomatic efforts by Washington and London to bring Tripoli into compliance, however, resulted in no assurances that it would stop. "We must keep fighting," El Giathi said. "We cannot stop what we are doing because the regime does not want us on the air. That is exactly why we are on the air in the first place."

The station's daily programs are broadcast from an undisclosed transmitter site 1200-1400 (corrected time! Ed) on either 17660 or 17720. (Grace in CRW 198 Extra B/DSWCI DX-Window/Petersen-DK) <http://www2.rnw.nl/rnw/en/features/media/lby051208.html?view=Standard> (Berg-MA)

CLANDESTINE—ASIA 5890 Station named *Shiokaze*, or Sea Breeze started its transmission on Oct 30 last year targeting abducted Japanese in North Korea. In the beginning it aired only 30 minutes, but in early December air time increased to one and half hours, all in Japanese language. Broadcast hours are 1400-1500 and 1900-1930. They said reception reports were received from Asian countries, Oceania and Europe. So they began Korean, Chinese and English programs from Jan 30. Korean program is on Monday 1430-1500 and 1900-1930. English program is on Tuesday 1430-1500 and 1900-1930. Chinese program is on Wednesday 1430-1500 and 1900-1930. Other days and times are in Japanese. It is not announced, but the transmitter is believed to be in Irkutsk, Russia. In the program,

victims names, birthday and family letters of their victims are read. (Ohtake, Jan 31). Heard *1430-1500*, Tu Jan 31, new English broadcast, thanks to Ohtake tip. IDing as "This is Shiokeze—Sea Breeze from Tokyo, Japan." After presentation went to reading the names of the missing persons year by year according to the list on www.chosa-kai.jp/indexeng.htm. Best received on USB. (Ritola-Fin via HCDX and Gilbert via EDXP-FORUM/DSWCI DX-Window/Petersen-DK)

CYPRUS (non) Frequency change for **BBC WS** in English to Russian
1600-1700 NF 7285* CYP, ex 15565 RMP
(Observer-BUL)

DOMINICAN REPUBLIC 5009.8 **Radio Cristal Int.**, Santo Domingo, relaying Radio Pueblo 1510 MW, 2306-0003*, Feb 03 (Fr) and 11(Sa), reactivated with Dominican-type music and occasional talk in Spanish, phone in with tel. caller 2348, closed with the National Anthem of the Dominican Republic, poor signal and deteriorating, tinny audio, voice lower than music. (Barbour, Berg and Herkimer in Explorer/DSWCI DX-Window/Petersen-DK)

GERMANY Some DTK T-Systems changes:

RTBF in French

0600-0815 17580 JUL Mo-Fr >>>> cancelled
0600-1100 17580 JUL Sa/Su >>>> cancelled
1100-1300 21565 JUL >>>> cancelled
1600-1900 13590 JUL Mo-Sa >>>> cancelled
1700-1900 13590 JUL Su >>>> cancelled

Bible Voice Broadcasting Network (BVBN)

1630-1715 Arabic 11645 NAU Tu, ex Tu/We
1630-1730 Arabic 11645 NAU Mo/We-Fr, ex Mo/Th/Fr
1730-1900 English 9730 JUL Sa/Su, ex 1800-1900
1800-1900 English 9460 JUL Fr, ex We/Fr
1900-1930 English 6015 WER Su, ex
1900-2015 English 6015 WER Sa, ex JUL
1930-1945 Russian 6015 JUL Th >>>> new transmission
1930-2000 Russian 6015 WER Su, ex JUL
2000-2030 English 6015 WER Su, ex JUL

Voice of Ethiopian Medhin

1600-1700 Amharic 9820 JUL Su

Christian Science Monitor

1900-2000 Russian 9890 WER Sa, ex JUL

BCE Radio Luxembourg in DRM

0900-1545 German 7295 NAU, ex JUL
1545-1700 German 7145 NAU, ex JUL

IBRA Radio

1730-1830 Swahili 9520 NAU, ex JUL
1830-1845 English 9520 NAU, ex JUL

Voice of Russia / Russian International Radio
0200-0400 Russian 5995 WER, ex JUL

Voice of America

1900-2000 Turkish 9485 JUL >>>> cancelled

Minivan (Independent) Radio

1600-1700 Dhivehi 11800 JUL >>>> AGAIN cancelled!!

(Observer-BUL)

GUATEMALA 4800 **Radio Buenas Nuevas** has been missing for several days. I hope this is temporary, we running out of Guatemalan shortwave stations. (Johnson Feb 15/Cumbre DX)

INTERNATIONAL WATERS Coalition Maritime Radio - Radio One was heard today Feb 16 at 1430 UTC on 9134.5 kHz (ex -9133) USB with station information in Farsi. Signal strength only S3, but reception was quite good. (Huuskonen-FIN/Hard Core DX)

ITALY New schedule for **IRRS-Shortwave**

0800-1300 13840 MIL Sa/Su
1800-1855 9380 Fr
1900-2300 5775 Fr
2000-2130 5775 MIL Mo-Th
2000-2300 5775 MIL Sa/Su

New schedule of **Brother Stair** via IRRS-Shortwave

0700-0800 13840 Sa/Su
0700-1555 13840 Mo-Fr
1300-1400 15740 Mo-Fr
1300-1500 15740 Sa/Su
1600-2000 5785
2000-2100 5785 Mo-Fr
2000-2200 5785 Sa/Su

(Observer-BUL)

Frequency change for **RAI International** in Italian

1700-1800 NF 5960* ROM, ex 5955

(Observer-BUL)

KAZAKHSTAN B-05 for **Voice of Orthodox** in Russian:

1630-1700 7460 A-A Tu/Fr

(Observer-BUL)

Frequency change for **TWR India**

0000-0030 Assamese NF 7535 A-A Mo-Sa, ex 7410
0015-0030 Bangla NF 7535 A-A Su, ex 7410
0030-0045 Bangla NF 7535 A-A Mo-Fr, ex 7410

(Observer-BUL)

LESOTHO On Jan 30, I have spoken to Mr. Monyane (Chief Engineer) about the absence of SW from **Radio Lesotho**. He told me that their SW transmitter is over 20 years old and it is getting almost impossible to obtain spares. However, they have decided to get

a new transmitter as they would like to continue SW broadcasts. He can only order it in their new financial year which starts in April, and he expects the new transmitter to be on air sometime in August / September. (Korinek-RSA in Dexplorer/DSWCI DX-Window/Petersen-DK)

LIBYA *Idhaat al Jamahiriya al Ozma / Radio of The Great Jamahiriya* in Arabic

1200-1400 17655/17660/17665/17670/17680, probably to jam Sawt al Amal!!!

(Observer-BUL)

MEXICO 4810 **XERTA** has reactivated. Heard from 0010 to 0200 with religious programs such as Esperanza para la Familia. Nice signal, but co-channel UTE means you have to listen in LSB. (Johnson Feb 17/Cumbre DX)

6045v **Radio Universidad** 1313-1359 Feb 8. Back on the air after a long absence. Tuned in at 1313 during classical music (piano, as always), uninterrupted until 1358 when YL spoke very briefly, then at 1359 male announcer with ID; heard only "XEXQ..." and a few seconds later, "...Universidad." Freq varied up to 6045.12 kHz. (Wilkins-CO/Cumbre DX/Johnson-FL)

NAMIBIA Mr. Mike Evans of **NBC** told me that the Board has not made yet any decision about the future of SW (and MW). All equipment is still in place but being over 20 years old, some spares and repairs would be needed. NBC is likely to take the decision in the next 3 months or so, but Mike pointed out that NBC are financially very strapped at the moment. (Korinek-RSA in Dexplorer, Jan 26/DSWCI DX-Window/Petersen-DK)

PAKISTAN Frequency changes for **Radio Pakistan**:

1330-1530 Urdu WS NF 9375, ex 9385
1600-1615 English NF 9375, ex 9385

(Observer-BUL)

PERU 6061v **Radio Sinal**, Cercado, Huanuco, new station heard drifting from 6060.8 to 6061.2. General Manager is Ruben Matias Lopez. Address: Jr. Abtao 287, Cercado, Huanuco, Huanuco, Telephone: (62) 51-6288. E-mail: radiotvsina12@hotmail.com <mailto:radiotvsina12@hotmail.com> (Canote-PRU via Slaen-ARG, Feb 01/DSWCI DX-Window/Petersen-DK)

RUSSIA (non) Frequency change for **TWR India**

1600-1630 Pashto NF 7490 ARM Mo-Fr, ex 7365
1630-1645 Dari NF 7490 ARM Mo-We, ex 7365

New additional transmissions of **WYFR** on short-wave

1200-1300 Vietnamese 7495 IRK
1300-1400 Tagalog 7495 IRK

(Observer-BUL)

SOLOMON ISLANDS 9543.30 **Solomon Islands Broadcasting Corp.**, Honiara, 1124-1200, Feb 16, typical music selections with comments from a woman between each tune. 1147 ID: "You are listening to the Solomon Islands Broadcasting Corporation, broadcasting from...The time is 13 minutes...11 o'clock...." Audio was very muffled. At 1148 advs. Signal here peaked around 1145 to good, but still muffled. (Bolland-FL/DSWCI DX-Window/Petersen-DK)

Adrian Sainsbury has just visited SIBC and tells me that 9545 will become a DRM transmission in the future for relay by remote SIBC relay stations in the Solomons. (Hartley via BC-DX, Feb 11). They put on line another transmitter a while ago, but they do not register usage with the ABU/ITU/FCC! Its schedule appears erratic. It is currently audible with huge signals here in Melbourne on 9543 in the period 1900-2100, parallel with 5020. Interesting programming at 1945, with early morning messages and local news for the villages. The offset frequency is a pain...! Audio quality on 9543 is good, intended for outer islands. (Padula-AUS/EDXP, Feb 10/DSWCI DX-Window/Petersen-DK)

SWEDEN **RCI/RNW/RSI** odd freqs via HB, all minus 700 Hz from nominal:

| | | |
|-----------|---------|--------------------------|
| 0000-0030 | 5854.3 | RCI Chinese |
| 0300-0400 | 5839.3 | RCI Arabic |
| 0700-0757 | 6014.3 | RNW Dutch |
| 0900-1057 | 6034.3 | RNW Dutch |
| 1100-1110 | 9489.3 | RSI Swedish Mo-Fr |
| 1100-1130 | 9489.3 | RSI Swedish Sa/Su |
| 1130-1140 | 11609.3 | RSI Swedish Mo-Fr |
| 1130-1200 | 11609.3 | RSI Swedish Sa/Su |
| 1200-1210 | 15239.3 | RSI Swedish Mo-Fr |
| 1200-1230 | 15239.3 | RSI Swedish Sa/Su |
| 1300-1330 | 12074.3 | RSI Russian |
| 1330-1400 | 7419.3 | RSI English |
| 1400-1430 | 9529.3 | RSI Russian |
| 1500-1530 | 5849.3 | RSI Russian |
| 1600-1630 | 5839.3 | RCI Russian |
| 1645-1715 | 7419.3 | RSI Swedish Mo-Fr |
| 1645-1700 | 7419.3 | RSI Swedish Sa/Su |
| 1700-1730 | 7419.3 | RSI Kurdish Sa |
| 1700-1715 | 7419.3 | RSI Assyrian Sa |
| 1715-1730 | 7419.3 | RSI Kurdish Su |
| 1800-1900 | 5849.3 | RCI French |
| 1900-1930 | 5819.3 | RSI Swedish |
| 2100-2200 | 5849.3 | RCI English |

Monitored on Jan.27-30, 2006 (Observer-BUL)

TAJIKISTAN (non) Frequency change for **Voice of Tibet** in Tibetan and Chinese:

1430-1518 NF 7460 DB

(Observer-BUL)

UNITED STATES Frequency changes for **IBB** effective Feb.1:

0300-0400 Turkmen NF 5955, ex 11975

| | | |
|-----------|---------------------|-------------------------|
| 0430-0500 | VOA Hausa | NF 5955, ex 7290 |
| 0500-0530 | VOA Hausa | NF 5955, ex 7290 Mo-Fr |
| 1030-1130 | RFAf Pashto | NF 15535, ex 11940 |
| 1130-1230 | RFAf Dari | NF 15535, ex 11940 |
| 1130-1230 | RFAf Dari | NF 9990, ex 19010 |
| 1200-1230 | RL Kyrgyz | NF 15120, ex 13740 |
| 1230-1330 | RFAf Pashto | NF 15535, ex 11940 |
| 1400-1500 | RL Kazakh | NF 11975, ex 15235 |
| 1700-1800 | Persian | NF 9770, ex 11845 |
| | | >>>> Radio Farda |
| 1700-1800 | Uzbek | NF 9650, ex 11740 |
| 1800-1900 | Persian | NF 9595, ex 11845 |
| | | >>>> Radio Farda |
| 1900-2000 | RL Ukrainian | NF 9725, ex 7155 |
| 1900-2000 | VOA Turkish | NF 7285, ex 11875 |
| 2000-2100 | VOA Korean | NF 7135, ex 11825 |

RFAf=Radio Free Afghanistan (Observer-BUL)

Extracts from article in Washington Post, Feb 14, 2006 by Christopher Lee, Washington Post Staff Writer:

The *Voice of America (VOA)* plans to silence many of its radio broadcasts in English and several other languages as the agency concentrates more resources on the Middle East and countries central to the U.S. effort against terrorism. The Broadcasting Board of Governors, which oversees the government-owned broadcasting service, announced the moves last week, citing tight budgets and the need to focus on the most pressing national security threats. Its plans arose despite proposed budget increases of 13 percent for the U.S.-sponsored Middle East Broadcasting Networks and 5.3 percent for the VOA. "Faced with the increased costs of expanding critically needed television and radio programming to the Arab and non-Arab Muslim world, the Board has had to make some painful choices," the broadcasting board, led by Chairman Kenneth Y. Tomlinson, said in a written statement.

Most painful, advocates say, is the prospective loss of News Now, the VOA's flagship English-language service. It broadcasts worldwide 14 hours a day and includes hourly news updates, correspondent reports and longer programs on science and other topics. The VOA would continue with English content on the Web and special broadcasts for limited English speakers. Also scheduled for elimination are VOA radio broadcasts in Croatian, Turkish, Thai, Greek and Georgian. Radio broadcasts in Albanian, Bosnian, Macedonian, Serbian, Russian and Hindi would end, although television programming in those languages would continue. Russian and Georgian programming would continue on Radio Free Europe/Radio Liberty, a U.S.-funded broadcasting service carrying stories of regional interest.

The broadcasts on the chopping block generally are transmitted over shortwave radio, a medium that studies show has a diminishing audience, said Larry Hart, a spokesman for the broadcasting board. He said the board wants to expand VOA operations over the Internet and on television, a more expensive medium that will more than soak up the budget increases.

At the same time, the board wants to shift resources to the Middle East, Iran and Afghanistan, regions central to the fight against terrorism where few people speak English and a free press is scarce.

The proposed changes, which must be approved by Congress, include expanding service to Iran, where daily VOA television programming in Persian would increase from 30 minutes to four hours in prime time and the Radio Farda Web site would be improved. For Afghanistan, there would be additional Pashto radio broadcasts targeting the border region with Pakistan, and the VOA would develop a new one-hour TV program in both Dari and Pashto. The board would increase to 24 hours a day (up from 16) news broadcasts from Alhurra, a two-year-old Arabic-language satellite television network that reaches viewers in 22 countries in the Middle East. And it would add more local news for Radio Sawa, an Arab-language pop music and news station funded by the United States.

Art Chimes, who produces a weekly science program in English for News Now, said that the agency should not retreat from shortwave broadcasts. "Television is great, and we should be on television," he said. "The Internet is great, and we should definitely be on the Internet. But the rest of the world is not like the United States in terms of their access to this kind of information technology. There are places where there is no substitute for radio." (Wilkner in Dxplore, Feb 14/DSWCI DX-Window/Petersen-DK)

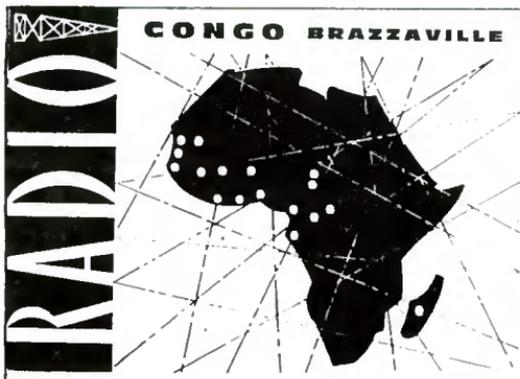
URUGUAY 9620.46 SODRE (p), 0927 end of Classical mx, then W in SP over Classical mx but not quite strong enough to copy. Followed by canned M w/exact same piano diddy (increase/decrease) bracket as hrd in the past. Another canned anmnt, then back to Classical mx at 0931. Peaking at 0949 and 0958, but only mx then. Faded and not even a carrier at 1034. (11 Feb./Valco-PA)

THANKS! Danish Shortwave Club International (DSWCI) has generously made their 2005 Tropical Bands Monitor available to all DXers at: <http://dswci.org/tbm/>

There's another updater to the **WRTH**, available at <http://www.wrth.com>, click on the "Latest PDF Updates" link. 

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



BOTSWANA: Voice of America
13710 ltr. w/ 55 page VOA program guide in 55 ds. & \$1.00. v/s Thomas R. Powell, Transmitter Plant Engineer. Addr: International Broadcasting Bureau, Botswana Transmitting Station, Private Bag 0038, Selibe Phikwe, Botswana. (Wood-TN)

CHILE: China Radio International 17625 f/d "Endangered Species" cd. w/ Happy New Year cd. and a personal note in 1 mo. (Field-MI)

CLANDESTINE: Radio Republica
* 7160 via Germany f/d "Florida" cd. w/ via Germany

from Jeff White of Radio Miami International in 10 ds. after I sent an e-mail to T-Systems DTK. (Craighead-KS), 7110 via UK? n/d SP & EG ltr. direct from the station in 1 mo. Addr: P.O. Box 110235, Hialeah, FL 33011. Also rcvd. transmission schedule. (Craighead-KS).

ENGLAND: WYFR 9530 via **Woofferton** f/d "30 years of Family Radio" cd. in 5 wks. w/ calendar and schedule. (Field-MI).

GERMANY: Gospel for Asia 15775 via **Julich** date only cd. from the TX addr. in 5 mos. after my first report. (Field-MI).

HAWAII: WWVH 15000 f/d cd. w/ personal ltr., station picture and other literature in 15 ds. Addr: P.O. Box 417, Kekaha, HI 96752-0417. v/s Dean Okayama, Engineer in Charge. (Wood-TN)

INDIA: All India Radio 11620 via **Bangalore** f/d "Caravanserai" cd. in 2 mos (Barto-CT).

MOROCCO: Radio Liberty 9865 f/d "RFE/RL Headquarters" cd. in 3 mos. (Field-MI).

SIKKIM: All India Radio 3390 via **Gangtok** f/d "Jami Masjid" cd. in 13 * mos. v/s Y.K. Sharma. (Lare-MI).

SOMALIA; DEMOCRATIC REPUBLIC: Radio Shabelle 6960 p/d e-mail ltr. in * 2 mos. v/s Mustafa Haji (Lare-MI).

SOUTH AFRICA: Radio Okapi 11690 and 11890 via **Meyerton** f/d ltr. in 1 mo. w/ schedule. v/s **Kathy Otto**. (Field-MI).

Only 2 US QSLs so not enough to justify a second page. Only 1 page! This is a first. Get the QSLs in.

QSL
LEOPOLDVILLE



TARJETA QSL

via Weissborn Beijing, 17-6-03
Estimado amigo:

Tenemos el agrado de confirmarle su informe de recepción de nuestra emisión en lengua española del día 28-5-03, de 02:00 a 03:00 hora UTC, por la frecuencia de 13685 KHz.

Recibiremos con mucho placer nuevos informes de recepción suyos sobre nuestros programas. Muy atentamente.

Radio Internacional de China

Contributors' Page

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

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members sent in contributions:

| | |
|------------------------------------|---|
| Brian ALEXANDER, Mechanicsburg, PA | NRD-545 AOR AR-7030 100' LW |
| Scott BARBOUR, Intervale, NH | R-75, MLB-1, 200' Beverage |
| Ray BAUERNHUBER, Whitestone, NY | FRG-100B, 50' wire, MFJ-956 tuner |
| Jerry BERG, Lexington, MA | R8 19, 41, 90 meter dipoles |
| Mike BRANCO, Islip, NY | No equipment listed |
| Ralph BRANDI, Middletown, NJ | AOR7030, R8, 300' longwire, T2FD |
| Paul BROUILLETTE, Geneva, IL | Drake R8, ICF2010, 60' long wire |
| William BROWN, Independence, MO | Drake R8B 168' LW |
| Chris CAMPBELL, Columbus, OH | Sat 800, RF Systems EMF LW |
| George CARAS, Saco, ME | RX340, R8B, Orion, R30, SE3, 550lw, verticals |
| Ross COMEAU, Andover, MA | R8, 325' LW |
| Rich D'ANGELO, Wyomissing, PA | TenTec R340, Lowe HF-150, DX Sloper |
| Mickey DELMAGE, Sherwood Park, AB | Collins HF-2050 |
| Jim EVANS, Germantown, TN | RX340, 30 m wire, R8B AN-LP1 |
| Marlin FIELD, Hillsdale, MI | NRD535D, Eavesdropper ant |
| Bob FRASER, Belfast, ME | Sony ICF-2003 ICF-SW100S 2m LW |
| John HERKIMER, Caledonia, NY | NRD535D, 100' longwire |
| George HERR, Playa del Rey, CA | G303e. R8B. 45' lw, Am Rad active antenna |
| Ron HOWARD, Monterey, CA | NRD545, LW 160' |
| Alan JOHNSON, Reno, NV | Ten-Tec RX-340, mini Beverage |
| Bob MONTGOMERY, Levittown, PA | NRD535D, R390A, RX320, HF150, SE3, T2FD, |
| Todd MYERS, Denver, CO | PE300, 23'random wire |
| Sheryl PASZKIEWICZ, Manitowoc, WI | NRD-515, NRD345, AOR LA-350 loop |
| Jim RONDA, Tulsa, OK | FRG-100B, FRG-7, Eavesdropper |
| Paul SHINN, Valley Springs, CA | R5000, R390A, 160' LW |
| Louis Crisler SMITH, Thurmont, MD | R-75, 160' long wire |
| Dan SREBNICK, Aberdeen, NJ | R8B, DX398, 130' inverted |
| Mark TAYLOR, Madison, WI | R-75, Sat 800, EWE, Eavesdropper |
| Joe WOOD, Gray, TN | DX-390, Grundig Mini 100 PE, whip antenna |

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. Webmaster Ralph Brandi has updated almost four thousand entries in the database for the new broadcasting season. Visit the Guide on the new NASWA web site at <http://www.naswa.net/swlguide/>. 

NASWA

Visit our newly redesigned and refreshed club home page on the World Wide Web at <http://www.naswa.net/>

Tropical Band Loggings

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

- 2280H **DOM.REP. R. Anacaona** 0023-0210+ 1/18 & 0250-0304* 1/21, thanks to John Sgrulletta's tip noted with ID at 0026, then pgm of continuous vocals; fair. 1/21 mx till ID 0302, then orchestral NA. (D'Angelo-PA) 2279.96, 0245-0304* continuous local mx. SS anmts w/ID 0302, NA. Fair 1/28. (Alexander-PA)
- 2310 **AUSTRALIA VLBA** Alice Springs 1230 2/3 EE nx and 1450-1515 2/4 country mx chart countdown w/M&W ancrs. P-F. (Johnson-NV) 1337 Aus. C/W mx w/ M EE ancr; good 1/14. (Brown-MO) 1123-1133 EE coverage of Australian Open Tennis, mens singles quarterfinals. P/F in USB 1/24. (Barbour-NH)
- 2390 **MEXICO R. Huayacocotla** 1309-1321 regional mx; good 1/14. (Brown-MO)
- 2485 **AUSTRALIA VL8K** 1137-1147 EE "Nightlife(?)" mx px featuring folk/country mx. 1145 ID as "105.7 ABC Darwin" and "ABC Radio". Poor 2/3. //2310 VL8A-fair. (Barbour-NH) 1321 M EE talks about a "fiddlers convention" in Melbourne. (Brown-MO)
- 2850 **KOREA (N) KCBS** 1322-1325 opera by W, //4450; good 1/25. (Brown-MO)
- 3200 **SWAZILAND TWR** 0258-0306 in local language. IS w/EE anmt, *0300 w/Afr style singing, M ancr African style singing. Fair 2/7. (Taylor-WI)
- 3235 **PNG R. W. N. Britain** 1332-1341 M EE intro PNG hits; fair 1/25. (Brown-MO) 1219-1238 Pidgin, up-tempo music w/M b/w selections. Able to make out a TC at 1222 and a few words regarding station programs. Poor/weak 1/24. (Barbour-NH)
- 3240 **SWAZILAND TWR** 0311-0331 vernacular, M w/rel talks, mx 0328 w/Harare, Zimbabwe POB, ID 0330. Fair 1/31. (Barbour-NH) 0324-0337 M inlisted Shona, multipleIDs, IS & opening in listed Ndaul language. Male preacher followed. Fair 1/19. (D'Angelo-PA) 0326, gospel mx but not // 3200, fair 2/6 (Srebnick-NJ) 2201-2234 EE rel pgm at apparently a new time spotted by Bob Montgomery. ID 2230 by W as the program segments changed out. P/F 1/29. (D'Angelo & R.Montgomery/FCDX-PA) 0318-0324 M in Swahili. W singing; strong 1/21. (Brown-MO)
- 3249.69 **HONDURAS HRPC, R.Luz y Vida** 1115 M EE preacher, xlated to SS by W woman for whom SS was obviously a second language. ID 1136, into another SS-lang. pgm, "Manyanitas Cristiana." Good 2/15. (Berg-MA) 3249v 0200 SS ID, beginning of a request/greetings prgm; lots of folksy remarks; sounded so clear it was as if they were in my living room!; superior audio from the E1. Vy good 2/19. (Ronda-OK)
- 3255 **S.AFRICA BBC** Meyerton 0408 EE nx, report on elections in Haiti & Uganda. Same time period on same day R. Sondergrense 3320 was at very strong levels; good 2/17. (Ronda-OK) 0312-0318 EE political editorial by W, 1/21. (Brown-MO) 2128 M&W EE ancrs w/local mx pgm, some in EE, some in local lang. Interesting day time catch 1/29. (R.Montgomery, FCDX)
- 3279.7 **ECUADOR LVdel Napo** Tena (listed) 1105 M&W w/SS prayers over; fair 1/12 with bassy modulation (Herr-CA)
- 3279v **ECUADOR LV Napo** 0506 w/R. Maria SS rel pgm; F/P 1/16. (Ronda-OK)
- 3280 **CHINA V. Pujiang** 1312-1318 CC radio drama, //5070. Poor 1/25. (Brown-MO)
- 3291.1 **GUYANA V. Guyana** 2237 fading up with EE ID by W, "This is the Voice of Guyana"; 1/8. (Brown-MO) 3291.18, 0932-0946 EE, cl mx at t/in, VOG ID 0934 then "Answers to Life's Questions" devotional pgm. Good 1/23. (Barbour-NH) 3291.2, 0336-0403 M w/EE funeral notices alternating w/somber instl mx. W ID 0352, TC "23 hours, 52 minutes." Pgm previews & mention of BBC World Service. Joined BBC pgm 0359 prior to 0400 news. Fair 2/4 and nice to have them back on again after a brief absence. (D'Angelo-PA) 3291v, 0151 EE speech on up-coming elections; ID 0200. Best rx yet of a station that is usually heard but at very poor audio quality. F-G 2/16. (Ronda-OK)
- 3310 **BOLIVIA R. Mosoj Chaski** 0920-0937 W talk in Quechua, then flute music & ID by M, preview of next pgm. Rustic vocal by a man. P/F 1/31. (D'Angelo/FCDX-PA)
- 3315 **PNG R. Manus** 1157-1206 M in Pidgin at t/in, silence 1159, drums/mx 1200, into relay of NBC. M w/EE nx, "NBC" ID 1204. Poor 1/24. // 4890. (Barbour-NH)
- 3320 **KOREA (N) KCBS** 1408-1418 traditional mx, W ancr; poor 1/14. (Brown-MO)
- 3320 **S.AFRICA R. Sondergrense** 2250-2255 M w/long talks in Afrikaans. Interview or call-in pgm; fair 1/29. (R.Montgomery, FCDX) 2310-2325 two W w/long talk in Afrikaans, S.Afr. version of C/W mx in Afrikaans; strong 1/8. (Brown-MO) 0303-0340 Afrikaans. Talk by M., Rock and MOR music in Af & EE, ID at BoH. 2/9. (Taylor-WI) 0328, pop mx, fair 2/6 (Srebnick-NJ)

- 3340 **HONDURAS HRMI** 0226 rapid fre SS religious talk, no ID; poor 1/21. (Brown-MO) 0032-0054 continuous vocals to 0045 M SS ID, then W talking. Noted a California address at 0052 followed by more vocals. Fair 1/21. Also, 0055-0131 vocals pgm w/periodic IDs. Mx fanfare & nice SS ID & fqy anmt 0112. Fair 2/14. (D'Angelo-PA)
- 3345 **S.AFRICA Channel Africa** 0032-0410 EE svc w/Inner Voice program, IDs news 0400. Fair 1/17. (D'Angelo-PA) 0330 M in EE "The station you are listening to is Channel Africa", fair 2/6 (Srebnick-NJ) 0418 EE rpt on current refugee probs in southern Africa. Fair 2/17. (Ronda-OK) 2129 PP & EE; W in EE talking abt flowers grown locally. Fair 1/29. (R.Montgomery, FCDX)
- 3365 **PIRATE (NA) Undercover Radio** 0244-0258* Dr.Benway w/replay of the New Year's program featuring a Halloween story and confrontation with Commander Bunny. Fair 1/30 but seemed to disappear suddenly. (D'Angelo/FCDX-PA)
- 3480U **PIRATE (USA) Undercover Radio** 0109-0112* Dr. Benway with several ments of Cdr. Bunny and the rodent revolution. Ments of new QSL cd with the mobile rig featured. Ments of New Year's show. ID & addr 0110 as "Undercover Radio broadcasting from the middle of nowhere." Addr as POB 293, Merlin, Ontario, NOP 1W0, Canada. Poor 2/1. (Wood, TN)
- 3578.9 **INDO RSPD Maluku Tengah** (tent) 1408 II nx by M; ARO QRM & gone by 1423; fair 1/14. (Brown-MO)
- 3925 **JAPAN R. Nikkei** 1240 JJ talk by M&W; fair 2/4. (Ronda-OK)
- 3945 **IRAN VOIRI** Zahedan *0125-0227* sudden on M talking, then mx till Urdu pgm 0130 w/ID, Koran recitation & nx. Program mainly of talks with short mx interludes. When they opened the amateurs on frequency said "Here comes Omar again." Fair 1/27 with some ARO QRM. (D'Angelo-PA)
- 4052 **GUATEMALA R. Verdad** 0040 gospel songs; sudden off 0042, then just as suddenly back on 0047; F/G 1/30. (Ronda-OK) 0525 "Peace in the Valley" by Tennessee Ernie Ford, then insp tk by M in SS. Poor 2/4. (Wood, TN) 4052.5, 0234 piano mx; fair 1/21. (Brown-MO) 4052.6, 0103-0235 M&W SS talks over organ or piano, many segued hymns (inc through ToH), ID 0223. 2/11. (Taylor-WI) 4052v, 0435 EE gospel songs; fair 1/16. (Ronda-OK)
- 4385.7 **PERU R. Imperio** 1014-1033 M before a crowd w/rel church service; crowd repeating certain portions. P/F 1/31. (D'Angelo/FCDX-PA)
- 4409.2 **BOLIVIA R. Eco** (tent) 2241-2300 SS mx & talk by M&W, then cont mx till abruptly off 2300. Poor but gradually improving. 2323 re-check revealed very weak music. 2/3. (Barbour-NH)
- 4450 **KOREA (N) KCBS-AINDF** (tent) 1139-1206 KK allads & vocal anthems; ancr 1200. V.poor 2/6 under "sweeper". (Barbour-NH)
- 4460 **CHINA CPBS** 1315-1318 M CC talk, UTE QRM; fair 1/27. (Brown-MO)
- 4525 **CHINA Nei Menggu PBS** 1347-1351 long talk by M in listed Mongolian, //4460; good 1/25. (Brown-MO)
- 4604.96 **INDONESIA [Irian Jaya] R. Serui** 1015 poss rel pgm in lang. poor 2/12. (Herr-CA) 4605, 1425-1436 Indo call in show by M, area mx; vy good 1/14. (Brown-MO)
- 4635 **TAJKISTAN R. Tajik(P)** 0212-0303 f/o Min RR, into ME sounding mx with intro by W; fair 1/21. (Brown-MO)
- 4716.8 **BOLIVIA R. Yura** 2318-2332 nice pgm of rustic Bolivian vocals hosted by M w/multiple IDs and freq anmts, SS talk. P/F 1/30. (D'Angelo/FCDX-PA)
- 4760 **ANDAMAN & NICOBAR ISLANDS AIR** Port Blair 1150-1203 vernacular, M&W w/banter, Hindi mx 1152, more talks & ballads thru t/out w/(P)ID at 1200. Poor 2/3. (Barbour-NH)
- 4760 **LIBERIA ELWA** 2107-2110 EE rel pgm w/ continuous gosel tunes. Poor 1/29. (R.Montgomery, FCDX) 2155-2231* continuous rel mx till ID & EE s/off anmts. Fair 1/29. (D'Angelo/FCDX-PA) 2248-2301* M w/typical canned EE rel pgm ending 2253, then a couple of hymns (How Great Thou Art) and closing anmts w/ID by M and NA by large orchestra. Weak 1/11 but readable for once! (Brouillette-IL)
- 4770 **NIGERIA R. Nigeria** Kaduna 0432-0511 ID 0442 " on the English Service of Radio Nigeria" just before xmsn break where carrier remained off until 0455. Drums 0459, ID & nx by M. Fair 2/4. (D'Angelo-PA) 0503-0512 in EE, M, nx, ID 0511 fair but mod muffled 1/28(Caras,ME) 0523-0530 vern bantering DJ tag team, trad. mx & EE promo for faith healer. 0530 ID, NA. P/F 2/5 (CrislerSmith MD) 0557-0610+ Afro-pop mx. ID & EE nx 0600; fair 1/13. (Alexander-PA) 0601-0607 EE nx by W; strong 1/15. (Brown-MO) 2154 EE, local music, hip hop style M ancr; very low audio 1/14. (Brouillette-IL) 0507 EE talk by man, fair 2/4. (Srebnick-NJ) 2147 Nigerian pops; good 1/29. (Brown-MO) 2137-2152 "EE service of Radio Nigeria-Kaduna" ID at t/in, funk-like music thru t/out. Weak 1/21 but in the clear. (Barbour-NH) 2216-2232* M EE ID, SW & MW freqs, local TC; diff. M "National Service of Radio Nigeria-Kaduna" in passing, rap music. S/off anmts 2230, NA 2232 s/off. P/F 2/3. (Barbour-NH) 2124-2130 Afr tunes, vernacular. Strong

- 1/29. (R.Montgomery, FCDX) 4769.95, 2158-2231 country & and pop tunes, mostly of the 1970's variety, including Elton John's "Candle In The Wind", muffled M anc, but improved before s/off w/ "The English Service of The Voice of Nigeria" and upcoming schedule. Nigerian folk song at close, and off. Haven't heard this one in some time. Good 1/22 but undermod. (Comeau-MA)
- 4775 **BRAZIL R. Congonhas** 2240-2254 M PP talk, ID, hosting pgm of romantic vocals. P/F 1/30. (D'Angelo/FCDX-PA)
- 4775 **SWAZILAND TWR** 0339-0355* and *0400-0407 IS, EE ID, then listed Lomwe svc w/ID, choir singing, M preaching; GG 0400 Fair 1/17. (D'Angelo-PA) 0405-0437 short GG talks, many mx selections. ID 0430, continued. Good 2/4. (D'Angelo-PA) 0428 ending GG pgm; EE ID, into EE "Insights for Living" pgm. F-G 2/17. (Ronda-OK) 0430-0438 GG M&W tag team nx format into thoughtful discussion. Ute QRN, fair 2/18 (CrislerSmith MD)
- 4777 **GABON RTVG** *0458-0520+ NA, opening FF anmts 0459, possible nx 0500. "Radio Gabon" IDs 0504, 0505, 0507. Local children's chorus 0508. Fair 1/14. (Alexander-PA) *0457-0535 OC, then tail end of orchestra NA; W anc "Radio Gabon" ID & opening anmts in FF. Pgm of highlife vocals till nx 0530. F/G 2/5. (D'Angelo-PA) 0504-0515 FF jiving YL DJ w/ afro funk & rap. Callers w/ requests. F-G 2/5 (CrislerSmith MD) 0506-0533 in FF M host local pop mx, ID 0531, nx 1/29(Caras,ME) 0509, nice African mx, good 2/4 (Srebnick-NJ) 0530-0545 M FF talk b/w Afro pop mx, nx by W 0532, ments Cameroon; then radio drama, more mx. Good 2/4. First log of this. Good 2/4. (Wood, TN) 0521-0532 FF M DJ bantering over highlife mx & pop. ID 0530, more DJ banter. F-G 2/18. (CrislerSmith MD) 0542-0606 M&W FF talks b/w music bits. Afropops and ballads. Tent ID 0554. Fair 1/3. (Barbour-NH)
- 4780 **DJIBOUTI R. Djibouti** 0326, mx, nx in AA at 0330, fair 2/4 (Srebnick-NJ) 0405-0412 local music; good 1/21. (Brown-MO) *0259-0330+ s/on w/local instl mx; vern talk 0300 & local Horn of Africa mx. Koran 0301, tlk 0308. Horn of Africa mx 0319. Fair 1/22. (Alexander-PA) 0343-0415 M in lang (probably Somali) w/clear mentions of Djibouti, occasional word or two in FF; very exotic music. Koran recitations after 0400. Exc 1/12. (Brouillette IL) 0340-0350 AA, classic HOA call - response extended jams w/ vox, organ, elec bass & percussion. vg 1/29 (CrislerSmith MD)
- 4780 **GUATEMALA R. Cultural Coatan** 1337-1400 child's pgm into SS nx at TOH; 1/8. (Brown-MO) 0203-0233* vocals hosted by W w/SS; 0231 M ID, s/off anmts; off w/no NA. Fair 1/25. (D'Angelo-PA)
- 4783.4 **MALI RTV du Mali** 2153 W accompanied by guitar; good 1/29. (Brown-MO)
- 4789.94 **INDONESIA [Irian Jaya] RRI FakFak** 1334-1359 S.Pacific vocals by M&W, s/off anmts; F/G 1/21. (Brown-MO)
- 4796.4 **BOLIVIA R. Mallku** 0934-0947 rustic early morning Bolivian music hosted by M w/some SS talk. Weak 1/31. (D'Angelo/FCDX-PA) 0958-1005 mx at t/in, SS ID 1001, then YL talks, back to mx at t/out. Poor 1/23 but improving. (Barbour-NH)
- 4799v **GUATEMALA R. Buenas Nuevas** 2342 SS talk & orch mx in the background; ID 2350 w/military march mx. F-G 1/15. (Ronda-OK)
- 4810v **MEXICO XERTA, R. Transcontinental** 0122 SS vocals, no ID at BoH, into what sounded like a rel pgm with occasional mx; no ID 0145; continuing vocals; clear SS IDs 0148 & two at 0158. Not heard here for some time. F-G 2/17. (Ronda-OK)
- 4815 **BRAZIL R. Dif. Londrina** 0010 PP ancts, romantic vocals; PP ID 0015 under singing; fair 1/30. (Ronda-OK) 2250-2306 M PP reltalks, choir vocals; fair 1/39 with CODAR splatter. (D'Angelo/FCDX-PA)
- 4819.1 **HONDURAS HRVC** 0130-0136 M&W closing SS rel pgm, other pgm promos, clear ID's as "HRVC". Quite weak 1/30. I recall when this used to be a regular armchair copy station. (Brouillette-IL) 4819v, 1214 SS gospel songs; good 2/4. (Ronda-OK) 4819v, 0146 modern rel orchestral & vocal mx; usual zipper noise not as potent as usual. Good 2/16. (Ronda-OK)
- 4824.98 **BRAZIL R. Canção Nova** 0630-0645+ PP rel pgm, radiodrama. PP rel mx. Weak 1/28. // 6105-weak & // 9675 - good. (Alexander-PA) 4825, 0450-0505 M&W PP, nx, ID 0503; 1/25. (Caras,ME)
- 4830 **INDIA AIR Jammu** (p) 0043-0055 Vernacular, Hindi mx & anc poking thru the static on occasion. Vy poor 1/10. (Barbour-NH)
- 4845 **BRAZIL UNID** 1005-1035 PP talks by 2 M b/w up-tempo mx & ballads. Several mentions of "...programa Amazonas." w/canned ID anmt 1030. All I could copy was "onda corta. 4845 kHz..Brasil". Fair w/ occasional ute QRM. WRTH '06 has two Brazilians, R.Cultura and R.Ternura FM relay, at this time. 1/23 (Barbour-NH)
- 4845 **MAURITANIA R. Mauritanie** 0038-0102 M AA talks; 0053 Koran chant; 0101 ID, off. Poor 2/18. (Taylor-WI) 2250-2305 M AA talk. Poor 2/15. (Jim Evans, TN) 2225-2234 long talk by M&W; strong 1/8. (Brown-MO)

- 4850 **UNID** 1136-1200*(?) ancw w/talks b/w lengthy choral-like mx selections. Poor, gone at 1200 though probably a result of poor propagation. SW conditions really stunk this AM. Possibly AIR Kohima-India? 1/21. (Barbour-NH)
- 4871.1 **INDONESIA [Irian Jaya] RRI Sorong** (p) 1051-1111 II, ballads; 1100 poss SCI, ancw w/continuous talks thru t/out. Forgot about listed 1115* or I would have stayed longer. Gone at 1122 re-check. Poor/weak under static 1/7. (Barbour-NH)
- 4885 **BRAZIL R. Clube do Para** Belem 0547 PP MoR mx. M ancw; fair 2/4. (Wood, TN) 0553 PP version of M.Jacksons "Ben"; fair 1/27. (Brown-MO)
- 4885 **BRAZIL R. Dif. Acrena** 0217 PP talk, ments Acreana; caught Dif in ID 0230 in mounting noise levels. F-P 2/17. (Ronda-OK)
- 4890 **PERU R. Macedonia** 0957 M SS play; OA tune 1005. No PNG hrd. Call in by W 1007, suddenly dead, no carrier. F-G 1/30. (R.Montgomery, FCDX)
- 4890 **PNG Port Moresby** 1312-1317 EE Pop mx (ballads) & plenty of tropical QRN; poor 2/2 (CrislerSmith MD)
- 4900 **CHINA V. Straight** 1325-1340 ad strings & Asian rock mx in listed Amoy; good 1/29. (Brown-MO)
- 4902 **BOLIVIA R. San Miguel** 1009 M SS talks, mx 1010. Weak 1/30. (R.Montgomery, FCDX) 4903, 0938-0953 M w/long winded SS talk, Bolivian mx. Poor 1/31. (D'Angelo/FCDX-PA)
- 4905 **CHINA Xizang PBS** 1327-1340 regional instl mx, M in Tibetan; //4920; poor 1/25. (Brown-MO)
- 4910 **EQUADOR R. Quito** 0541-0555 excellent mx pgm featuring huaynos; fair 1/14. (Brown-MO)
- 4910 **ZAMBIA ZBC** 2051-2105 M w/vernacular talks over mx, up-tempo vocal selections. Drums/fanfare w/ID 2059, then call-in program; poor 1/21. (Barbour-NH) 2051-2105 M w/vernacular talks over mx, up-tempo vocal selections. Drums/fanfare w/ID 2059, then call-in program. Poor 1/21. (Barbour-NH) 2138-2155 M EE DJ w/TC, ID, call-ins; fair 1/15. (Brown-MO)
- 4915 **BRAZIL R. Nac. Macapa** 2338 rapid-fire PP sports cmnty; R.Nac ID 2345; an occasional EE word from GBS popping thru. Strangely enough, only the E1 provided usable audio using AM-Sync & enhanced SSB. 1/19 (Ronda-OK) 0251 M ID in PP; good 1/21. (Brown-MO)
- 4915 **GHANA GBC** 2217 lang discussion over one of the Brazilians 1/15. (Paszkievicz-WI) 2315 EE talk & pop vocals; increasingly mixing with R. Macapa; almost fair 1/16. (Ronda-OK) 2350 EE nx; ID 2356, into vernac. prayer; two anthems & off 0000; great to have listenable audio from a station that is usually muffled here; F-G 1/30. (Ronda-OK)
- 4915 **USA WWCN** Nashville 2254-2300 M w/px "Scriptures for America Worldwide". Stn ID 2259. Fair 2/18. (Wood, TN)
- 4919 **ECUADOR R. Quito** 0045-0137 two fast talking men with coverage of futbol match with IDs ("Radio Quito, la voz de Capital") during coverage. Fair 1/26. Also, 0332-0421 two excited M ancws w/futebol; apparent post-game coverage after 0400. Numerous IDs during the coverage ("Radio Quito, la voz de la capital"). Fair 2/8. (D'Angelo-PA)
- 4924.9 **BRAZIL R. Ed. Rural** Tefe 1029 ads, promos, mx, stingers, TCs, full ID w/calls & fqys for 1270 and 4925 kHz. Nice signal 2/15. (Berg-MA)
- 4930 **BOTSWANA VOA** 0350 news; fair. (Shinn, CA) 0440-0445 EE Afro pop in vern, extended jam format. M DJ cmty on history of artist & mx. //4960 (Sao Tome) both F-G 2/18. (CrislerSmith MD) 2158-2200* lite piano jazz, EE ID & "Yankee Doodle" at s/off. Poor 1/7. (Brouillette-EL)
- 4930 **TURKMENISTAN Turkmen Radio** 2222 Turkic mx, talk by M 2225, ments Turkmen and Asgabat, seeming end of talk 2237, then mentions of Turkmenbasi (leader of Turkmenistan, maybe the person speaking at length?), possible ID as "Miras" (third program) 2239, more mx, talk by W, talk by M, Turkmen NA 2257 (matches anthem at <http://www.national-anthems.de/ants-t-z.html>) 2/1. (Brandi-NJ)
- 4940 **CHINA V. o. t. Straight** 1432 M&W CC drama; weak 1/28. (Brown-MO)
- 4950 **ANGOLA RN Angola** (tent) 0514 fair sig, low mod 2/4 (Srebnick-NJ)
- 4960 **SÃO TOME VOA** 0409-0416 EE "Africa News Now"; good 1/14. (Brown-MO)
- 4965 **ZAMBIA Christian Voice** 2231-2250 vernaculars, gospel mx by M; noisey 1/8. (Brown-MO) 2320 EE gospel songs & anmts, ID 2329 as Radio Christian Voice; still reasonably good 2340 recheck; 1/16. (Ronda-OK)
- 4976 **UGANDA R. Uganda** Kampala 0338-0350 EE Chatty DJ spinning old school R&B funk fading overall f-g 2/5 (CrislerSmith MD) 0350-0422 talks in local language. ID 0400, M EE nx. Series of promo anmts 0414, then W talking. Poor 2/14. (D'Angelo-PA)
- 4980 **CHINA Xinjiang PBS** Urumqi (p) 0047-0102, Vernacular, M&W alternating talks continuous right over time-pips at 0100 then rapidly slipping under prop. QRN. Poor 1/12. (Barbour-NH)
- 4985 **BRAZIL R. Brasil Central** Goiana 2343 mx that sounded like Nashville with a latin beat; PP ancts & ad string; fair 1/30. (Ronda-OK) 2328 "Macho Man" Village People version; low audio, good carrier 1/8. (Brown-MO)

- 5005 **EQ.GUINEA R. Nacional** Bata 0527-0545 SS, nice mx, w/much percussion & funky rhythms, M host; 1/28. (Caras,ME) 2250 in SS W.Afr. mx, NA 1/21. (Paszkievicz-WI) 0551 M in SS w/Afropop mx; ID 0553; first log of this station. Fair 2/4. (Wood, TN) 2230-2256* M SS talk, ID, highlife music. Off w/long orchestral NA; fair 2/11. (D'Angelo-PA) 2250-2255 pop mx, W ancr. Vy poor, just above the noise 2/15. (Jim Evans, TN) 2244-2258* SS, hi-life music, M 2253 w/s/off anmts, NA 2255. F-G 2/7. (Barbour-NH)
- 5010 **DOM.REP. R. Cristal**(tent) 2306-2319 lite SS music w/brief SS ancr 2313; no ID noted; poor 2/3. (Barbour-NH)
- 5010 **INDIA AIR Thiruvananthapuram** 0130-0150 vernacular; presumed ad string at t/in, Hindi mx 0135; 2 M, one brief the other with lengthy prayer-like talk. Various ancrs & music bits 0148; poor 2/3. (Barbour-NH) 0035-0132 W EE nx, ID 0040, Hindi flute mx. Discussion px 0058 w/two men; jingles, anmts. 5+1 time pips 0130, ID, more flute mx. P-F 2/14. (D'Angelo-PA)
- 5010 **MADAGASCAR RNM** *0257-0311 choral NA, M ID & s/on anmts in Malagasy. More talk, some music & W ancr w/nx. Fair signal but low voice modulation, 2/3. Also, *0258-0340 choral NA, M ID & anmts in Malagasy; brief talks, some instl mx, IDs, till nx at 0330. Fair 2/18. (D'Angelo-PA)
- 5015 **TURKMENISTAN Turkmen Radio** 0046 M chanting, M&W in Turkmen (listed); YL mx 0103. Poor 1/27. (Brown-MO)
- 5026 **UGANDA R. Uganda** 0344-0416 snatches of conversation, light mx till 0400; then apparent nx px seemingly //4976 at this point. Very weak but no sign of Rebelde, 2/18. (D'Angelo-PA)
- 5030 **BURKINA FASO R. Burkina** 2235-2243 FF Afro pop. W DJ bantering w/callers. World nx ments "Washington". F-G 1/29. (CrislerSmith MD) *0600-0630+S/on w/NA, FF anmts, Afro-pops 0605. Fair but some splatter from Cuba-5025. S/on time seems to vary. 1/8. (Alexander-PA) 2250-2305 pop mx, occ FFTalk by W. Fair 2/15. (Jim Evans, TN) 2253 FF talk & marimba-like mx; FF ID 2301. Poor but readable 2/13. (Ronda-OK)
- 5045 **BRAZIL R. Guaruja Paulista** 0510, chimes & quick ID 0514; part of EE ID 0535 for "Guaruja Paulista Radio", mentioned shortwaves & 5045 & at least one other fqy. Hrd at the same time on 3235, but different prgmg. Nothing on 5930, which they have used as well. 1/27. (Berg-MA)
- 5054 **COSTA RICA Faro Del Caribe** 0555-0602 inst mx thru TOH; Min SS prayers and insp tk. P-F 2/4. (Wood, TN) 5055, 1150-1202 M SS talk, ID 1200, SS contemporary Christian mx. (Taylor-WI)
- 5240 **CHINA Xizang PBS**(p) 0102-0105 W in Mongolian nx; fair 1/28. (Brown-MO)
- 5420 **LIBERIA R. Veritas** 2250 EE ID "This is Radio Veritas"; fair 1/14. (Brown-MO)
- 5446U **USA AFRTS** 0603 pro basketball game (Portland Trail Blazer vs Minnesota Timber Wolves). Portland won 89-85. Good 2/4. (Wood, TN)
- 5470 **LIBERIA R. Veritas** 2155 M in EE, ID, back to choir mx 29, English, Male announcer at tune in with id and then back to choir mx, preaching. Very nice 1/29. (R.Montgomery, FCDX) 2205-2301* promo anmt for live morning mass six days a week; ID & choir vocals. M ID 2259 mentioning benediction was next, station ID, fqy anmt & the Lord's Prayer. F-G 1/29. (D'Angelo/FCDX-PA)
- 5500 **ETHIOPIA V. Tigray Revolution** *0350-0416 OC to 0350 mx IS; echo anmt by M 0400, flute mx, M ID & open in Tigrinya; M w/nx. Horn of Africa music from 0404, brief talks. Fair 1/28 but //6350 was poor. (D'Angelo-PA) Talk in unid lang; fairly good, //6350. (M.Field, MI)
- 5544.6 **PERU R. San Andres** 0203-0312* continuous OA vocals; 0246 M SS talk, TC, mx, occ anmts to ID & s/off anmts 0300; brief vocals, dead air 0303-0312. Poor 1/26 with some UTE QRM. (D'Angelo-PA)
- 5699.8 **PERU R. Frecuencia** San Ignacio 0132-0148* OA vocals, M ancr mentioning "Frecuencia San Ignacio" during chat breaks. Off w/orchestral NA. P-F 1/31. (D'Angelo/FCDX-PA) Also 0138-0155* OA vocals & mx, M SS talk, ads, anmts; 0146 ment "frecuencia" which I took to be part of the ID. Off w/NA. Poor 1/25 w/static. (D'Angelo-PA)
- 5765 **USA WWCR** 0357 talk abt Iraq w/callers; strong. (Shinn, CA)
- 5775 **ITALY IRRS** 2235-2300* EE UN pgming. Good 1/27. (Alexander-PA)
- 5785 **ITALY IRRS** (via Bulgaria?) 2235-2300* Brother Stair preaching. Vy wk 1/27. (Alexander-PA)
- 5880 **UKRAINE RUI** 0054-0106 mx, EE IS/ID 0100, then news re Ukrainian WTO membership. Fair 2/6. (Barbour-NH)

International Band Loggings

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- 5910 **COLOMBIA Marfil Estereo** Puerto Lleras in SP 2228-2337*, lite vocals, Mexican-style ranchera mx, merengues, 2254 fanfare, NA, ID, ads, abruptly off at 2337 (Brouillette IL 1/7)
- 5925 **VIETNAM Hmong Domes Service** via Hanoi in VT 1045-1115, mx to 1100 ID, fair and //6165 also fair until huge carrier wiped out signal at 1052-likely RN relay Bonaire (D'Angelo FCDX-PA 1/31)
- 5930 **CZECH REPUBLIC R Prague** in EG 1833, nx and topics- cancer research in regional areas, dangerous weather, 425th anniversary of brewery w/Czech girl party (Branco NY 2/4)
- 5950 **USA R Taiwan Int** relay via Okeechobee, FL in EG 0205-0230, street interview of Taiwanese on subject of what makes them laugh, good (Myers CO 1/19)
- 59525 **BOLIVIA R Pio Doce** Siglo Veinte in SP 0952, OM w/fqys, ads, brief flutes to ID and TC, tlks, fair but subject to splatter from WYFR which reduced condx periodically (D'Angelo PA 1/31)
- 5960 **RUSSIA RS Tikhly Okean** via Vladivostok in RS *0935-1000*, IS, ID, YL w/tlks, and mx bits, into interview? 1945, poor to fair (Barbour NH 2/7)
- 5960 **CANADA China R Int** relay via Sackville in EG 0515, feature re CH college students returning to farming when unable to find city employment, good (Myers CO 1/14)
- 5980 **MOROCCO RTV Marocaine** Tanger in AR/FR 2256*, AR mx, ID in FR, sked, g (Brouillette IL 1/14)
- 5985 **CONGO R Congo** Brazzaville in FR 1954, vocals, ID, tlk, feature, p-f (D'Angelo/FCDX-PA 1/30)
- 6035 **SAO TOME VOA** relay in EG 2112, jazz pgm-Russ Davis host, //13710, exc (Crisler-Smith MD 2/5)
- 6065 **CHINA China Business Radio** Beijing via CNR-2 in EG 1328, "Studio Classroom Online" feature produced in Taiwan (sic), concurrent audio online, //6155, 7140, 7245 (Howard CA 2/4)
- 6080 **SAO TOME VOA** relay in EG 0625, tlk re African soccer championships b/w Senegal and Congo, promos for African News Now pgm and hip hop mx, g (Wood TN 2/4)
- 6085 **RUSSIA R Rossii** Vladivostok in RS 0133, RS mx, tlks re Iraq, Osama, IDs, f-p (Barbour NH 2/6)
- 61055v **BOLIVIA R Panamericana** La Paz in SP 1053, lite pop mx, ID, Andean flutes, f-p (Berg MA 1/28)
- 6110 **PHILIPPINES VOA** relay in EG 1410, feature re CH automakers visiting Detroit Auto Expo, Asian weather report, g-f with high side het (Brown MO 1/21)
- 6115 **PERU R Union** Lima in SP 0840, SP pops/OA mx, IDs, ancmts, p-f (Alexander PA 1/28)
- 6120 **IRAN V of Justice** Kamalabad in EG 0150-0230*, wx forecast, political cmntry w/usual anti-USA rhetoric, ID, nx, website, satellite fqys, addr, lite instrum'l mx and off, fair, //9665 (Alexander PA)
- 61348 **BOLIVIA R Santa Cruz** in SP 0857-1035, nice morning pgm of rustic local mx, many IDs and TCs, ad string, nx, tlks, many ments of La Paz (Herkimer NY 1/20, Alexander PA 1/22, D'Angelo FCDX 1/31)
- 61399v **COLOMBIA R Lider** Bogota in SP 0345, mx, IDs, promos, strong signal thru het (Caras ME 1/28) in SP 0600, IDs, pops including Celene Dion and Air Supply, nx w/mention of Venezuela, Caracas, and North America, some items consisted of EG and PT lang w/SP translation (Delmage AB, Wood TN)
- 6145 **UNITED ARAB EMIRATES Gospel for Asia** relay via Abu Dhabi in Sinhala 0116, bits of Christian mx and tlks, ID as "Radio Athmik Yatra" at 0130 s/off, co-chan QRM (Brouillette IL 1/7)
- 6145 **CANADA R Japan** relay in EG 0010, financial nx, rpt on Mad Cow disease, ID, g (McGuire MD 1/24)
- 6165 **CHAD R Dif Nat'l Tchadienne** N'Djamena in FR 2102-2135, nx, ID, hi-life and FR rap mx w/DJ b/w selections, tlks, fair but QRM co-channel Croatia (Paszkiwicz WI, Barbour NH, D'Angelo FCDX-PA)
- 6175 **CANADA V of Vietnam** relay in EG 0230, tlk on Internet security in SE Asia, p-f (Myers CO 1/4)
- 6175 **UNITED KINGDOM BBC** relay Rampisham in SP *0000, IS, ID, Lat Amer nx, g (McGuire MD)
- 6612h **ZIMBABWE ZBC** Harare in Vern 0314-0410, hi-life vocals, listener phone calls, choral NA 0358, ID, drums, nx, f (D'Angelo PA 1/26) in Vern/EG 2055-0030 f/o, Afro tunes, nx at 2100, ID, xmtr site, fqy ancmts for FM and SW, ad in EG promoting local advertising opportunities, g-f (Delmage AB 1/15) in Vern 2143, jiving DJ w/Afro pop mx w/call-ins, f-g (Crisler-Smith MD 2/5, Montgomery FCDX 1/29)
- 7100 **ERITREA VO Broad Masses** Asmara in Tigrinya 0445, YL tlk, bouncy Horn of Africa mx, ID, fqy at 0500, into nx, fading out by 0510 (Caras ME 1/21)
- 7120 **UNITED KINGDOM Sudan Radio Service** relay via Wooferton in Vern 0410, tlk, ID, occasional local Afro-pop mx, good but slight adjacent channel splatter (Alexander PA 2/3)
- 7180 **MOLDOVA V of Russia** via Kishinev in EG 0200, NA, ID, nx w/rpt on Iran, cultural feature, into mx program at 0230 (Taylor WI 1/21, McGuire MD 1/24)

- 7190 **SUDAN Republic of Sudan Radio** via Al Fitahab in AR 0443, tlks, Horn of Africa mx bridge, signal gone after abrupt s/on of D Welle (Evans TN 1/18) in AR 0420, OM/YL reading nx items including field rpts, ID and IS 0430, f-g (Crisler-Smith MD 2/5)
- 7270 **MALAYSIA Wai FM** relay via RTM Sarawak in Vern 0953, DJ w/pop songs, TOH singing Wai FM jingle (long version), continuation of pop rx, fair (Howard CA 1/28)
- 7285 **GERMANY V of Croatia** relay via Juelich in EG 0300, nx, ID, lovely Croatian mx beginning 0316, into SP programming at 0330, f-g (Herr CA)
- 7285 **MADAGASCAR R Nederlands** relay in IN 2220, ID, talks re Malaysia and Pakistan over mx, some EG soundbites of Bush on the War on Terror, EG rap mx, wiped out by Budapest 2229 (Barbour 1/22)
- 7320 **FRANCE V of Libya** relay in AR 2215, AR mx, pips, ID, NA, regional nx, f (McGuire MD 1/11)
- 7325 **AUSTRIA ROI** in EG 0013, ID, nx, Mailbag, into GM 0030 (Montgomery PA 1/30, McGuire MD)
- 7400 **BULGARIA R Bulgaria** in EG *0000, IS, ID, fgy, sked, national nx, Ham Radio DX show w/mentions of antenna systems and the declining interest in Ham Radio, vg (Wood TN, McGuire MD)
- 7812usb **USA AFRTS** relay via Key West. FL in EG 0035, cmntry on need for US service personnel to remember they represent the US in foreign countries when on liberty, Professional basketball game b/w Charlotte and Toronto, fair (Wood TN 2/11)
- 9310 **UZBEKISTAN WYFR Family Radio** relay via Tashkent in Burmese 1331, soft spoken preached with sermon, some fading, fair (Crisler-Smith MD 2/15)
- 9385nf **ITALY? IRRS** relay in EG 0105-0200*, "Keep Reaching Out" w/interview of Christian pop/rock musician, ID as IRRS Milan, Italy, at 0134 into feature pgm "Talk Nation Radio", abrupt s/off in mid-sentence 0200 (Delmage AB 1/16) ED: Delmage says this one may be relayed via Bulgarian xmtr.
- 9420 **GREECE V of Greece** Avlis in GK 2115-2300, mostly enjoyable pop mx w/OM announcer, xmsn beamed to Europe, good signal with almost no QRN or QSB (Bauernhuber NY 2/10)
- 9430 **PHILIPPINES FEBC** Manila in CH 1314-1406, two YL's bantering over lite instrumental mx, baslads tlks (Barbour NH 1/31, D'Angelo PA 2/12)
- 9500 **SWAZILAND TWR** relay in EG 0500, ID, nice African Christian mx, relig tlk (Caras ME 2/1)
- 9500 **UZBEKISTAN Voice International** relay via Tashkent in HD 1318, relig pop mx with South Asian flavor, chatty DJ, ment Pakistan, ID, phone #, India address, f-g (Crisler-Smith MD 1/19)
- 9520 **GERMANY IBRA Radio** relay via Juelich in EG 1829-1845*, two YL's w/"Spotlight" pgm re peace maze in No. Ireland, pgm credits, URLs, ID at s/off, fair at best, QRM VOA (Barbour NH 1/31)
- 9530 **UNITED ARAB EMIRATES AWR** relay via Al Dabbiya in Nepali/EG 1522, OM in Nepali over mx, URL at 1526, into EG service 1530, ID, relig pop mx and testimonials, f (Barbour NH 1/23)
- 9550 **RWANDA FEBA** relay via Kigali in AR 1950, tlks, instrum'l mx, vocals, ID (Paszkievicz WI 1/28)
- 9570 **ALBANIA China R Int** relay in EG *0000, ID, national nx, rpt on Iran & Sharon (McGuire MD 1/12)
- 9575 **MOROCCO MEDI 1** via Nador in AR 0619, radio skit/comedy routine, pop mx mentions "Habibi" (beloved), nx w/field rpts, exc (Crisler-Smith MD 1/22)
- 9580 **GABON Afrique Numero Un** Moyabi in FR 2050, 2 OMs w/talks, hi-life mx cut off for promos and IDs, nx, field reports, f-g (Barbour NH 1/23) in FR 2132-2204, very nice pgm featuring the mx of James Brown and similar artists, DJ w/cmntry re songs, IDs, pips, nx, 2200, g-vg (Wood TN 2/10)
- 9605 **JAPAN BBC** relay via Tokyo in CH 1342, interview, nx, cmntry, fair (Crisler-Smith MD 2/15)
- 9645 **THAILAND VOA** relay in EG 1344, nice jazz mx, covered by Vatican s/on 1400 (Caras ME 2/4)
- 9740 **SINGAPORE BBC** relay in EG 1410, interview on medical topics, ID 1430, nx (Caras ME 1/30)
- 9755 **VATICAN CITY Vatican Radio** in EG 2008, rpts from Africa (Sudan, Kenya, Egypt) with no relig overtones, ID, carillon bells 2028 until 2030 s/on of FR xmsn (Delmage AB 1/15)
- 9765 **GERMANY Christian Voice Communications** relay via Wertachtel in EG 1816, "Recharge" feature w/pop mx and celebrity nx, many promos and IDs, fair with mild QRM (Barbour NH 1/31)
- 9770 **CANADA RCI** Sackville in EG *2100, nx, sports, wx rpt, "Maple Leaf Mailbag", vg (Fraser ME 1/16)
- 9785 **UNITED ARAB EMIRATES Gospel for Asia** relay via Al Dabbiya in SEA lang 1615, relaxing SE Asian mx, ID 1630* (Caras ME 2/2) ED: Listed as daily 1/2 hour transmission
- 9800 **MONACO TWR** relay via Monte Carlo in EG 0911-0920*, "Through the Bible" feature, UK post office box, TWR ID and IS at s/off, good (Barbour NH 2/2)
- 9810 **THAILAND R Thailand** in EG 1233, YL w/nx, TC, ID's, fair w/o QRM (Brown MO 1/21)
- 9820 **INDIA AIR** Panaji (Goa) in EG 1433-1545*, sub-cont mx, internat'l nx, mx, ID (Brown MO 1/25)
- 9830 **RWANDA Deut Welle** relay in EG *2000, IS, ID, rpt on Iran's nuclear pgm, g (McGuire MD 1/11)
- 9870 **AUSTRIA ROE** Moosbrunn in EG 2354, item re certain books being removed from the libraries of Austrian prisons, feature on Winter Olympics, poor (Wood TN 2/10)
- 9870 **NEW ZEALAND RNZI** in EG 1320, "Date Line Pacific"- Fiji congressman convicted of bribery, native mx interludes b/w nx stories, field rpts, ID, native pop mx, vg (Crisler-Smith MD 1/26)

- 9895 **MADAGASCAR R Nederland** relay in DT 2130, ID, European nx w/ments of Balkans and Romania, sports nx, field rpts, exc (Crisler-Smith MD 2/5)
- 9980usb **ICELAND AFRTS** relay in EG 0056*, closing statement "This is AFN run by the Dept of Defense, Riverside, California, USA" followed by the NA, strong signal w/low fading (Brown MO 1/1)
- 11570 **PAKISTAN R Pakistan** Islamabad in Urdu 1502-1531*, nx re Iraq, Iran, and Pakistan b/w mx bits, s/off annc'mts w/clear ID, NA, fair (Barbour NH 1/31)
- 11615 **FRANCE RFI** Issoudon in EG *1600-1730, usual mix of nx and features pgms, //15605 not heard, not rare DX but coming in better now than it has been for the past several weeks (Johnson NV 1/22)
- 11625 **VATICAN CITY Vatican Radio** in EG 2006, rpt on the new woman President of Liberia and what it may mean for the future of the country, fair (Fraser ME 1/20)
- 11635 **FRANCE V of Africa** (Libya) relay via Issoudon in EG/AR 1925, nx mostly about violence in Iraq over past weekend, changeover to AR at 1930, fair (Campbell OH 1/22)
- 11690 **JORDAN R Jordan** in EG 1540, C/W, rap, and rock mx, nx 1601, many IDs "You're listening to #1 Hit Radio", fair signal w/lots of fading (Brown MO 1/21)
- 117108 **ARGENTINA RAE** Buenos Aires in SP/EG 0150-0254, local tango mx, IS, multi-lang IDs, into EG at 0201, nx, feature "Science and Technology" (Alexander PA, Herr CA)
- 11735 **TANZANIA Spice FM** via RT Zanzibar in EG/Vern 1759, "Techno" mx, TC, African and internat'l nx ID 1805, into Vern 1810, mx, p-f (Barbour NH 1/17, Caras ME 1/27)
- 11815 **BRAZIL R Brasil Central** Goiania in PT 0107, nx, jingle IDs, ads, TCs, f-g, //4985 (D'Angelo Pa)
- 11850 **FRANCE R Taiwan Int** relay in EG 1733-1757*, 2 YL's bantering, mailbag, "Global Exchange", pgm regarding Taiwan life and culture, p-f (Barbour NH 1/31)
- 11925 **BRAZIL R Bandeirantes** São Paulo in PT 0132, excited calling of futbol game, f (D'Angelo PA 1/10)
- 11960 **GUAM AWR** relay via Agat in EG 2130, religious program, into IN lang at 2200 (Field MI 1/16)
- 11960 **ASCENSION ISLAND Star Radio** (Liberia) relay in EG/Verm *2100, cmntry re deep problems in Liberia, sports pgm, IDs in EG (Field MI 1/16, Bauernhuber NY 1/23)
- 12005 **ECUADOR HCJB** Quito in EG 1310, "Precepts of Life" Christian bcstg, good (Myers CO 12/19)
- 12070 **UZBEKISTAN R Nederland** relay via Tashkent in DT 1557*, website, ID, filler mx, pop ballad cut off abruptly at s/off, fair (Barbour NH 1/31)
- 12080 **AUSTRALIA R Australia** in EG 0545, live coverage of soccer or rugby, poor (Brown Mo 1/15) 10 kw!
- 13630 **MALI China R Int** relay via Bamako in EG 2010, nx re Iraqi elections, ID, addresses, promos for Paul James pgm and "People in the Know", cmntry re Japan's imports of foodstuffs, p (Wood TN 1/21)
- 13635 **AUSTRALIA Voice Int'l Communications** relay via Darwin in EG 1505, "Chatback" feature w/relig pop mx, brief devotionals, many promos, website, f-p (Barbour NH 1/23)
- 13640 **OMAN R Oman** in AR 1347, ME pops, DJ w/call ins, Quranic recitation, f-g (Crisler-Smith MD 1/26)
- 13710 **BOTSWANA VOA** relay in EG 2145, jazz pgm w/scat singer fronting Bob Menzer's big band, hot trumpet solo, Swedish jazz funk, Yankee Doodle IS at 2200 s/off (Crisler-Smith MD 1/21)
- 13740 **CUBA China R Int** relay Havana in EG 1545, CH versions of US mx, QSL 19 days (Myers CO 12/5)
- 13800 **IRAN VOIRI** Zahedan in AR 1355, call-in show w/relig focus, ID, g-vg (Crisler-Smith MD 2/15)
- 15140 **SOUTH AFRICA AWR** relay in Fulani 1920-1927*, prayers and sermon, ID, f (Wood TN 1/21)
- 15140 **OMAN R Sultanate of Oman** in EG/AR *1400-1500, nx, IDs, variety of techno-pop dance mx, pop mx, and country mx, into AR prgming at 1500, g (Alexander PA 1/29)
- 15205 **UNITED ARAB EMIRATES FEBA** relay via Al Dabbiya in Tibetan *1158, IS, "What a Friend We Have in Jesus" followed by opening in Tibetan (Berg MA 1/21)
- 15285 **SOUTH AFRICA Channel Africa** Meyerton in EG 1728, nx of Zimbabwe's high inflation w/more use of credit cards and barter, AIDS pandemic in Botswana and govt's free treatment, technological pgm, regional items, ID as SABC in Afrikaans, s/off 1757 (Crisler-Smith MD 2/4, Brown MO 1/25)
- 15315 **NETHERLANDS ANTILLES R Nederlands** relay via Bonaire in EG 1430, general topics discussion on ferry disaster, infection from bird flu, Taliban in Afghanistan, Haiti elections (Branco NY 2/5) in EG 2006, "Dutch Horizons" featuring mx/interviews w/artist presenting Indonesian mx marketed for Dutch citizens, interview, vg (Wood TN 1/21)
- 15355 **GABON R Japan** relay via Moyabi in JP 1837, live pop talent show featuring mostly YL's w/fast talking OM host and stop gong, f-g (Crisler-Smith MD 2/4)
- 15420 **SEYCHELLES ISLAND BBC** relay in SH 1555, E African nx, field rpts, ments Nairobi and Somali, BBC IS at 1600, more nx, into EG 1615 (Crisler-Smith MD 1/30)
- 15515 **AUSTRALIA R Australia** in EG 2130, nx, sports, wx rpt, call-in show, f-g (Herr CA 2/11)
- 15545 **IRAN VOIRI** Sirjan in AR 1337, nx w/ments of Taliban, ME nx, jazz interludes, ID, E-mail address, vg (Crisler-Smith MD 1/26)

- 15595 **RUSSIA V of Russia** via Petropavlovsk in EG 0200-0230, condensed version of Russian revolution history, poor, QSL in 18 hrs via E-mail (Myers CO 1/29)
- 15680 **GERMANY Christian Voice Communications** relay via Wertachtel in EG 1558, mx including John Sebersten, nx, religious tlk, good but fading (Field MI 1/21)
- 17680 **PORTUGAL RPI** Lisbon in PT 1450, mx and entertainment w/rap, rap/dance selections, comedic banter and comic jingles (Branco NY 2/4)
- 17800 **RWANDA Deut Welle** relay Kigali in Hausa 1332, usual very professional DW pgm, nx, field, ments Nigeria, pop mx interludes, vg (Crisler-Smith MD 2/2)
- 17880 **MALI China R Int** relay via Bamako in FR 1342, "Let's learn CH" for FR speakers, YLs giving lessons, ID, Afro mx, CH pop mx, f-g (Crisler-Smith MD 2/14)
- 21540 **USA VOA** relay via Delano, CA in Haitian Creole 2215, rpt on European soccer, tlk on educational issues for Haitians living in Florida (Brouillette IL 1/2)
- 21600 **SAUDI ARABIA BSKSA** Riyadh in FR 1424, YL reading world nx, field rpts (in AR translated into FR), oriental mx interludes, f-g (Crisler-Smith 2/13)
- 21850 **VATICAN CITY Vatican R** in IT 1325, thoughtful relig cmntry over classical piano, ID, website, address and sign off at 1330, f-g (Crisler-Smith MD 2/14)

Clandestine/Opposition Stations

- 7380 **SOUTH AFRICA V of Biafra International** via Meyerton in Igbo 2101, tribal vocals accompanied by drums, OM w/ID inviting listeners to stay tuned for the entire hour, f (D'Angelo PA 1/28)
- 11705 **MADAGASCAR Radio Voice of the People** (Zimbabwe) relay in EG/Vern *1700-1756*, opened w/soft instrum'l mx followed by opening ID ("This Radio Voice of the People broadcasting from Zimbabwe everyday from 1900 to 2000 hours Zimbabwe time. Stay tuned for Zimbabwe's alternative voice"), address, website, repeated IDs after each song and at s/off, fair w/deep fades (D'Angelo PA 2/4) in EG 1747, anti-Robert Mugabe's government cmntry, Afro pop mx, Harare address, f-g (Crisler-Smith MD 2/4)
- 12060 **MADAGASCAR Radio Nile** (Sudan) in EG/Vern *0359-0455*, s/on w/local mx, ID and sked in EG, many IDs throughout xmsn, EG nx segments alternating w/mx segments, "Power of Christ" relig pgm at 0410 w/mix of EG and Vern tlk, s/off w/ "Radio Nile" jingles/drums, p-f (Alexander PA 1/22)
- 15265 **UNITED KINGDOM Radio SOLH** (Afghanistan) relay via Rampisham in Dari 1341, exotic traditional mx w/ME and S Asian sound, e.g. tables and lutes, exc (Crisler-Smith MD 1/31)
- 17495 **MADAGASCAR Democratic V of Burma** relay in Vern 1444, YL w/interviews of various OMs b/w mx bits, fair signal, //9415 Almaty relay at poor level (Barbour NH 1/23)
- 17660nf **UNDISCLOSED SITE Sowt Alamel** (Voice of Hope) Libyan Opposition station forced off satellite by government jamming returned via shortwave 1/25. First heard in AR 1/26 at 1315 w/"Sowt-al-Amal" ID at 1324, tlk, mx and s/off 1401*, fadey signal and co-channel QRM (Berg MA)

Digital Reception

- 7145D **GERMANY RTL Luxembourg** relay via Juelich in GM 1623, S/N ratio about 10 dB, so no audio from this 21 kbps stream, but the ID plate came thru, up to 15 dB by 1645 w/some audio (Brandt NJ 1/19)
- 7240D **GERMANY R Nederland** relay via Juelich in GM 0740, S/N ratio hovering around 10 dB for this 17 dbps broadcast - not enough for sustained audio, but a couple of brief snippets 0750 (Brandt NJ 1/20)
- 7320D **UNITED KINGDOM BBC** Rampisham in EG 1059, news, very little audio making it through on this 20 kbps signal, S/N ratio b/w 9 and 14 dB, allowing only occasional brief audio bursts (Brandt NJ 2/3)

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| Joe Carr's Receiving Antenna Handbook A guide to high performance receiving antennas from longwave to HF and VHF. | \$19.95 +2.00 s/h US +4.00 s/h Can. |
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| Radio Monitoring: the How-to Guide by Skip Arey. Guide for new listeners to MW, HF, VHF and above. | 17.95 +4.00 s/h US +8.00 s/h Can. |
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