

The North American Shortwave Association

2006 William P. Eddings Award

Member of the Year

Scott Barbour

*Presented this 4th day of March, 2006
at Kulpsville, Pennsylvania on the occasion
of the 19th Winter SWL Fest.*

Richard A. D'Angelo, Executive Director

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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.



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YB-550

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PAR ELECTRONICS EF-SWL



The Par EF-SWL is an end-fed short wave antenna optimally designed for 1-30 MHz reception. The radiator is 45 feet of genuine #14 gauge black polyethylene coated Flex-Weave wire (168 strands of #36 gauge woven copper). This material is very strong yet can easily be coiled like a rope for portable work. The UV resistant matchbox houses a wideband 9:1 transformer wound on a binocular core. Unlike other transformers, external stainless studs on the matchbox allow the user to configure the primary and secondary grounds for best noise reduction at their particular location. Output is via a silver/tellurium SO239 connector.

Par EF-SWL

Order #2205

*57.95

PAR ELECTRONICS BCST-HPF & BCST-LPF

The Par BCST-HPF is designed to help shortwave listeners cope with interference from AM stations. This 7 pole elliptic high pass filter passes 1.8 to 200 MHz and notches out 0-1.7 MHz. The housing has SO-239 jacks for input and output and also has a toggle type bypass switch. Made U.S.A.



BCST-HPF

Order #4426

*58.95

The Par BCST-LPF is designed to help long wave DXers cope with interference from nearby AM stations above 540 kHz. Stop band is 540 kHz to 300 MHz. The housing has SO-239 jacks for input and output and has a bypass switch.

BCST-LPF

Order #1143

*58.95

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NASA Notes

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

I had the pleasure of making the presentation of the member of the year award at the 19th Annual Winter SWL Festival in Kulpville, PA during the Saturday evening banquet. The club's Executive Council selected **Scott Barbour** of New Hampshire as the 2006 Bill Eddings Award recipient as our "member of the year." The Bill Eddings award goes to the member that best personifies the club's motto of "Unity and Friendship" through active participation in the shortwave listening hobby. The Executive Council selection of Scott was an excellent choice. Congratulations to Scott Barbour!

Also, congratulations are in order to **Rich Cuff**, **John Figliozzi** and an army of volunteers on another successful Winter SWL Festival. About 165 hobbyists descended upon Kulpville for another great time. If you have been to the Fest before, you know what I am talking about. If you haven't been to the Fest before, you are missing out! There are some great *Musings* appearing this month about this year's event. Don't forget that next year we celebrate the 20th Annual Winter SWL Festival. Messrs. Cuff and Figliozzi promise more mayhem than usual by adding an extra day to the extravaganza. Mark the dates of March 8, 9 and 10, 2007 on your calendar for the grand celebration. Join us for #20!

Don't forget the "Revive Radio St. Helena Day" project organized by **Robert Kipp** in Germany. The challenge is to raise funds in an effort to restore a shortwave transmitter on St. Helena Islands. The "Revive Radio St. Helena Day" project is totally dependent upon generous donations from all Friends of St. Helena. Donations in US dollars by check, cash, or money order can be sent 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. As Robert says, "Let's do it! Let's build our own shortwave radio station together with RSH!"

Also from Robert Kipp comes word about the Radio St. Helena Project Support on the Web. Check out the homepage: www.sthelena.se/radioproject. Other notable webpage's: Captain William Longworthy, General Manager of Andrew Weir Shipping (operates the ship RMS St. Helena) www.rms-st-helena.com (click on "Latest News"); Vernon Quickfall, CEO of Radio St. Helena, St. Helena News Media Services (owner of Radio St. Helena) www.news.co.sh (scroll down the main page); and Johnny Clingham (sells CD full of pictures of St. Helena etc.) www.southatlanticimages.com (scroll down the left side to the links about St. Helena). Finally, HCJB's *DX Partyline* program will carry a feature by Dieter Reibold, Germany) about the Radio St. Helena Day Project in one of these DX programs in April, 2006. Hear *DX Partyline* via WRMI or else via WWCN. Look at www.hcjb.org for the times and frequencies.

The first edition of a new print publication, *Shortwave Broadcasts To Australia and New Zealand*, is available from **Robert J. Padula**, 404 Mont Albert Road, Mont Albert, Victoria 3127, Australia. This is a replacement for the *Australasian Shortwave Guide* that was last published in November 2005. The *Shortwave Broadcasts to Australia and New Zealand* is a no-frills reference covering the international shortwave transmission period commencing March 26 2006, and concluding on October 29, 2006. With several hundred entries, it provides comprehensive information of shortwave broadcasting schedules to Australia and New Zealand for broadcasts in all languages. The complete schedules of Radio Australia and CVC-Australia are included. The data is arranged in two sections, by studio

OUR MOTTO IS - "UNITY AND FRIENDSHIP"

country and starting time. Each entry shows broadcasting organization, frequency, starting time, finishing time, language, target area, transmitter site, transmitter country, studio country, and days of operation. Although the primary market is Australia and New Zealand, others may find it a useful reference. For mailing to countries outside Australia send us\$5.00 / 5 Euro / 3 British Pounds / A\$5.00 (cash, 5 international reply coupons, Australian mint stamps to the value of A\$5, international bank transfer, international bank draft, PayPal) to Bob Padula at the above address.

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

I have another missing person to report. **Jim Vecchiola**, if you are out there please send me your new e-mail address for the *Flashsheet*. The current one bounces stating "unknown user account."

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

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

Calendar Of Events

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

Apr 21 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: ctcreditor@aol.com. The URL for the BADX guys is <http://www.naswa.net/badx/>

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

May 13 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX) meets at the Lebanon Citizens' National Bank (LCNB), 425 West Central Avenue (Ohio 73), Springboro, Ohio at 7:00 PM. For more information contact Mark Meece at 937-743-8089 or e-mail at <antennapig@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>

May 27 Meeting. Reading (England) International Radio Group meetings will be held in Meeting Room 3, Reading International Solidarity Centre, 35-39 London Street, Reading from 2.30 p.m. to 5 p.m. Further information is available from Mike Barraclough mikewb@dircon.co.uk or phone 01462 643899.

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.

Jul 29 Meeting. Reading (England) International Radio Group meetings will be held in Meeting Room 3, Reading International Solidarity Centre, 35-39 London Street, Reading from 2.30 p.m. to 5 p.m. Further information is available from Mike Barraclough mikewb@dircon.co.uk or phone 01462 643899.

Aug 19, 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. Richard Cuff and John Figliozzi co-chair the organizational committee. Although it is early, you don't want to miss this special FEST event. There are a lot of special arrangements being made for this special occasion. See you there!

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

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

Revive Radio St. Helena Day

ZD7 is an old friend for amateur radio operators, but St. Helena is near the top of the "Most Wanted" list for many shortwave radio listeners. Radio St. Helena has a medium wave transmitter and, during the 1990's, "borrowed" a shortwave transmitter one day per year for the now famous "Radio St. Helena Day" broadcasts. These were, probably, the world's first international, multi-media (telephone, fax, and email), listener interactive (in real time) shortwave programs. The RSH QSL card is now a treasured item in the collections of many SWL's around the world. In late 1999, this all came to a halt, and the transmitter and antenna were scrapped.

Our new project is to try to put RSH and, therefore, the entire country of St. Helena back on the air on shortwaves. The Board of Directors and all connected with or friends of RSH are behind this idea, but the entire project must be funded privately by sponsors and through donations.

A few of the SWL's and Radio Clubs supporting this project come from: the UK, USA, Denmark, Germany, New Zealand, Australia, Japan, South Africa, Canada, Spain, Holland, Italy, Russia, Chile, and Brazil; and include Adventist World Radio and Radio Havana Cuba.

The revival of these programs would spread the word of this wonderful and historic island and lead to increased commerce, trade, and tourism for St. Helena. It may also be possible to actively support amateur radio in the St. Helena schools and, perhaps, to set up an amateur radio club station.

This may be the first time ever that radio friends have actually helped to build "their own" shortwave radio station. To give St. Helena and the "Saints" their international voice back, we will need a considerable amount of international help. We have set up bank accounts in Germany, USA, and the UK for donations, and we thank you one and all, in advance, for your contributions.

For donations in USA Dollars by check, cash, or money order 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.

We are also hoping for the donation of two transceivers such as the Yaesu FT-757GXII. For equipment donations, please contact me by email.

With sincere best wishes, Robert Kipp DJ0PU, Special Assistant to the Station Manager of Radio St. Helena

Jim Ronda, 8019 S. 88th East Avenue, Tulsa, OK 74133

On a completely different note. A good part of the pleasure in DXing for me is learning (or re-learning) world geography. I've been in the market for a new world atlas. After considerable looking, I've settled on the Oxford Atlas of the World. A terrific book with superb, readable maps, great country information, very well-indexed, and much less costly than the Times Atlas. Unlike other atlas volumes, the maps in the Oxford do not bleed into the book's gutter. [I know bleeding in the gutter is a very bad thing!] I bought the Oxford Atlas from Amazon for under \$50.

I've spent a good deal of my DX time over the past few days doing simple logs of mainstream broadcasters and then writing friendly letters thanking them for staying on the air and not cutting back on transmission time. I've realized all over again what good, balanced coverage of world news comes from stations like R. Netherlands, R. Prague, and DW. I don't want them to vanish! I loved hearing Oman for the first time this week but I enjoyed almost as much the comprehensive, thoughtful treatment of the death of Slobodan Milosevic from R. Netherlands.

Jim

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

Radio Japan DX Corner interviewed Kim Elliott DX Corner to be aired during the first weekend of March will feature Mr. Kim Elliott of International Broadcasting Bureau, Parent organization of VOA. Recently I visited Washington DC and had a chance to talk with Kim at VOA studio. This air time is the same weekend as Winter SWL Fest at Kulpville, PA. As I am planning to participate in the FEST, I will issue JSWC QSLs for the correct reports given at on-site.

Radio Japan is making drastic changes due to financial reasons. "Hello from Tokyo" program will be terminated at the end of March when our 2005 financial year closes, as being announced in the current program. Fortunately our DX Corner will survive in the new program. This is due to good response to the program from many overseas listeners like you. I really appreciate your supports. New casters and the title of the new program will be introduced in the next issue of the bulletin.

This is all for this month. Wish you good DXing!! Toshi Ohtake

Arthur Poole <artpoole@uci.net>, 1450 Evergreen Dr, Coos Bay OR 97420-2070

An interesting op ed piece about the VOA by John Hughes was published in the Christian Science Monitor on 2/22/06. I don't see many articles about shortwave radio broadcasting in the general news media, so I thought I should alert members in case they missed this one. I really enjoy reading NASWA Notes each month in the NASWA journal as well as your frequent musings. I also enjoy the columns of Richard D. Cuff, John Figliozzi, Dr. Kim Andrew Elliott, and others.

I relied upon shortwave radio broadcasting while serving in the Peace Corps during the mid-1960s in Africa. Like yourself, I think shortwave is still a useful communications technology that should not be abandoned because many of us in the developed world have become accustomed to newer computer-based internet technologies.

Thanks for all of the good work that you and your colleagues at NASWA do to stimulate our interest in shortwave radio.

-Art

Ed Insinger, 28 Madison Avenue, Summit, NJ 07901

I read Robert Wells' commentary about SWL'ing with interest. One of the ways I attempt to promote this fascinating hobby and spread the word that I enjoy listening (even under the most adverse of conditions) is via my reception reports. Since I make a habit of sending these quite often, in my never ending interest for QSL's, each station receives a message that goes like this:

"I have been a shortwave radio listener since 1968, when I built my first radio from a kit. Despite the popularity of computers and the Internet, I find that radio is a better medium because it allows you to use more imagination and sharpens your listening skills by requiring greater levels of concentration. In addition, there are excellent program features to be found on shortwave, which require only a modestly priced radio and the desire to explore other peoples of the world. So over 35 years later, when the computer age and Internet are blossoming, I still prefer the medium of shortwave for communication.

I also have a brief quotation at the top of my reception report, taken from the writings of Antoine de Saint-Exupery, also intended to foster friendship and good will. "The central struggle of men has even been to understand one another, to join together for the common weal."

There is a statement which appears on a parchment that I received from Radio Vaticana in 1983, commemorating 50 years of broadcasting. The words inscribed across the bottom always capture my attention: "All over the world radio communications promote and increase international friendship and understanding."

I have many positive and memorable moments attributed to SWL'ing: experiencing an inaugural transmission from a new station; fine tuning a signal on a vintage Hammarlund vacuum tube receiver; hearing the birth of a new country; meeting a highly regarded shortwave radio enthusiast and interviewing another at his listening post; enjoying enchanting and exotic music originating on a remote island in the Indian Ocean; logging notes in my ledger by the illumination of dial lights from my Hallicrafters SX-100 Mark II; QSL'ing a station operating a 300 watt transmitter.

I continue listening for these same reasons -exploring, discovering and learning about the global village which we all inhabit.

Best regards, Ed

Daniel L. Srebnick <dan@islenet.com>, Aberdeen, NJ

I finally stopped just thinking about it and made it to the 19th Annual SWL Winterfest this year. All I can say to my fellow members is that the hype is true--you don't know what you're missing until you attend. My wife Tina attended too, and had a great time as well. I have to again thank the organizers for putting on a terrific party. I met a lot of folks who were simply just names in a bulletin or on the internet, some who I've corresponded with and chatted with in IRC, some who I've heard on the radio, and had an unexpected reunion with an old friend that I had not seen face-to-face in 15 years.

By far, the best presentation had little to do with shortwave, but was fascinating nonetheless: Dr. Cones' presentation about Zenith Corporation founder Commander Eugene F. McDonald. It tied in radio, arctic exploration, and ESP research. Harold is an excellent presenter and entertainer.

Steve Colletti had an interesting presentation in which he showed old industrial films from the 1940s and 1950s about the radio business and radio production. Greg Majewski had a good session on the new Eton E1 that is the talk of the hobby. I had the opportunity to participate in the Allan Weiner Worldwide program on WBCQ, live from room 412. I heard the midnight ride of that DX bandito on at least a couple of frequencies. And, I left with a raffle prize, a silent auction item, and some great memories.

The amount of pirate—or was it really part 15—activity at the Fest was amazing and entertaining. I heard WBZO, Radio 69 (Your Mutual Satisfaction Station), and others. And some of the folks involved with these stations are real characters in their own right.

Tina had a suggestion that I will offer up. She thinks it might be a good idea to have a program for the wives, perhaps a trip to Outlet Shopping or the Philadelphia Flower Show. Her idea is that attendance might go up for first timers who don't want to go it alone, but figure that their other half would be bored. I'd be interested in hearing what some other members think.

I'll see you all next year for the 20th Winterfest, which I understand will be extended to three days!

Dan Srebnick

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

Greetings to all.

I would like to take this opportunity to thank the Executive Council of NASWA in selecting myself for the 2006 Bill Eddings Award and 'member of the year'. I was very surprised and flattered to learn of my selection. I never saw it coming! A sincere "Thank you" to all the kind words from DXers everywhere.

I never joined NASWA with the intent on becoming "Member of the Year" or to gain any recognition, for that matter. I joined to share DX tips and gain knowledge of the hobby, from those more experienced, hoping to make my DX sessions more enjoyable. So far, it has exceeded my expectations. If I can say anything to those NASWA members that may be sitting on the fence in regards to contributing DX logs or QSL info to the Journal and Flashsheet...what are you waiting for? Our club is only as good as we make it. Whether you're a serious DXer, logging Radio Fleaspeck via Nibi-Nibi on a high-end tabletop receiver or a casual BCLer, logging an international b/cer via Sackville on a portable, tell us what you're hearing! I see new names in the "Welcome to the Following New Members" section every month so I know you're out there! Let us get to know you! Remember the NASWA motto—"Unity and Friendship".

Sincerely, Scott R Barbour Jr-Intervale,NH-USA

Georg Simon <gusimon@worldnet.att.net>

I am writing after having returned from another successful Winterfest (the 19th) in Kulpville, PA. At the banquet on Saturday, many who contributed to this undertaking received their deserved thanks from the audience.

However, we neglected to thank the two who were most instrumental in bringing this undertaking to a successful conclusion, namely Richard Cuff and John Figliozzi. My sincere kudos to both of them. We all know how much work is involved.

I should also mention the enjoyable Dr. DX "Comedy Hour" surrounding the running of the raffle. Here is to you Harold Cones.

Richard and John: If I am able to attend the 20th Fest and you have some odd leg-work jobs for me, keep me in mind. I do not live too far from the Inn and would be able to help with some logistics (e.g. errands involving driving).

Sincerely, Georg Simon, N3MRS

Joe Buch <joseph.buch@dol.net>, P. O. Box 1552, Ocean View, DE 19970-1552

I want to thank all the NASWA members for their support since 1992 as I cranked out more or less monthly the Technical Topics column for the NASWA Journal.

Over the 14 intervening years the technology of short-wave broadcasting has morphed from big radios with knobs, dials and meters to little black boxes that are controlled by computers. In 1992 many of the best radios glowed in the dark and challenged our physical prowess to lift them off the table. Today pocket-sized radios do a decent job of receiving the stronger stations.

Active receiving antennas have been improved to enhance sensitivity and immunity to overload. As homeowners associations continued to move to prohibit outside antennas, many have found the active antenna in the attic to be an excellent alternative. As population density forces more of us to live in apartments and condominiums, the active antenna on the balcony has become a popular way to continue listening.

Analog transmissions are being slowly replaced by digital technology both over the air (DRM) and via the internet. DRM is struggling to meet the great expectations promised a decade ago as limited data rates, lack of simple self-contained receivers, tinny sound, and propagation-caused dropouts cause insecurity in the minds of listeners expected to spend hundreds of dollars to hear the same material freely available on analog transmissions. While DRM struggles, Internet broadcasting is allowing new flexibility in listener scheduling options and improved fade-free reception.

Broadband over the Power Line (BPL) is a technology "improvement" that is threatening to block short-wave listening in many areas. In our NASWA comments to the FCC regarding the authorization of this technology, NASWA pointed out that it would be better for all concerned if BPL were confined to the VHF range with 30-47 MHz offering several advantages. Although the FCC ignored our input, a major BPL provider is now installing systems in Cincinnati and Texas using 30-50 MHz with few interference complaints to date. I am proud of the role we played in the process to head off what might have been a disaster for SWLs.

Over the last 14 years, the Technical Topics column has tried to explain all these developments in more-or-less non-technical language so the average SWL could understand how to take advantage of these changes. The time has now come for me to pass the baton to somebody with the time and knowledge to carry on explaining the new technology for the next decade.

I am 68 years old and have a lot of traveling to do before my old body no longer makes it possible to visit the places I have been hearing on the radio all these years. I intend to tote my YB400 along on these trips and from time to time report to the NASWA Journal and the Winter SWL Fest some personal observations from DX spots I have only been able to imagine in the mind's eye and ear. Until then, stay tuned.

George Herr <gpherr@earthlink.net>, CA

I have recently bought a WinRadio G303e and would like to share my initial impressions based on about a month of side by side comparison with my Drake R8B.

New radio fever hits here quite frequently but I sit down and try to control myself. After all the glowing reports and the fact that most of the big boys seem to have the Ten Tech R340 I seriously considered laying out the dough. E-mail research with several members confirmed that it was probably worth the cost. Still it hasn't been updated and I wondered if I wouldn't be locking into older technology.

In my opinion the R8B is about as good as it gets and I had the feeling I wasn't going to hear more with the R340. Why not try a more entry level software based receiver? Just to get my feet wet and see what was up.

The WinRadio comes in both an internal and external version. I chose the external version because it would interface my laptop or desktop via USB and automatically configure the sound card. I gleaned from my research that the sound card could be a major problem so I checked with WinRadio by email to make sure it would work with my setups.

I use a signal splitter to connect the two and run the line out from the R8B and the earphone jack from the computer to a professional Teac 2A audio mixer with MB20 Meter Bridge. The mixer output goes to a Marantz Stereo receiver (2235) of fairly ancient vintage. I listen with Sony MDR V6 earphones.

The purpose of the mixer is to provide independent volume control and the ability to equalize the level for each receiver. By switching the bus connection I can make rapid A-B comparisons at the same volume. It is well known that in A-B comparisons the louder set sounds better. I also have limited bass and treble tweaks that can be set to maximize the sound.

Most of my listening is in the tropical bands trying to dig out DX near or on the noise floor.

A quick impression

1. The G303e can hear everything the R8B can
2. The R8B readability is marginally better especially when it comes to dealing with noisy signals. I found no examples where there was solid copy on one and not the other.
3. It takes longer to optimize the G303e.
4. On strong signals at the same bandwidth the R8B sounds cleaner with a fuller sound. The G303 has very good sound and I don't mind it. Also it has wider filter positions therefore an ultimately wider frequency response. There are sometimes computer sounds in the background.
5. The g303e sync detector is very good and produces very nice audio. It is not sideband selectable. Using USB and LSB is a little tricky to get zero beat but the sound is good.
6. The G303e's spectrum display and band sweeping capabilities are very useful and have led me to many things I might not have listened to otherwise.
7. As with many if not all computer products I have had numerous lock ups, crashes and E mails to tech support in fact after two weeks I have yet to get the DRM module to work.

8. Bottom line for half the price of a Drake you get more features and more complexities.

73's, George

Paul Brouillette, 611 Illinois Street, Geneva, IL 60134

Besides my regular SWL and DX activities, I have had the pleasure to serve as a Technical Monitor for two major international broadcasters. One of those is NHK World – Radio Japan.

I first began listening to radio Japan back in the 70's. At the time their transmissions were all direct from Japan and reception was not 100 percent reliable. Fortunately, the frequency bands that are most suitable for reception from the Far East during North American "prime time" are 15 MHz and up. With their relatively low noise levels, these bands provide decent reception of even very weak signals. Thus RJ made it through most of the time.

Later on, RJ made arrangements with various broadcasters to relay their shortwave broadcasts around the world. Radio Canada International (Sackville) continues to serve this function for the North American audience. Reception reliability became essentially 100 percent. These relays began 15-plus years ago, and it was around this time, after my having sent detailed reception reports to RJ off and on for several years, that I was invited to become an official monitor.

Technical Monitors were required to use the forms that RJ provided, and to send in monthly reception reports covering a four-day period usually starting the first Sunday of each month. Schedules were sent in advance for each transmission period or "season," with the desired monitoring frequencies and time highlighted. Originally Mr. Yojiro Kume was in charge of Technical Monitoring, and he often included very witty and entertaining personal correspondence along with the "official" schedule information. Mr. Kume retired after a few years, and I for one missed his personal touch.

RJ Technical Monitors were rewarded very well for their efforts. In the beginning of my RJ monitoring career, once or twice a year a very generous package of books and other Japanese souvenirs was sent to each monitor. Also, IRC's were provided for reimbursement of postal expenses, and of course, QSL cards were sent out for each report. After a while, RJ management determined that monitors in some countries had a problem receiving goods through the mail because their governments required them to pay duties or excise taxes that were quite steep in some cases. To remedy this, RJ changed their policy of rewarding their monitors with gifts, to instead paying them in cash through bank wire transfer! You couldn't exactly quit your day job, but it was certainly a nice bit of extra money to save up, and very generous and accommodating on the part of RJ. The main thing for me was that I felt good about helping a broadcaster to expand their global reach, as several more relays were added to RJ's schedule during the years I acted as a monitor.

So it was very sad for me, after more than 15 years, to receive a letter from NHK – Radio Japan telling me that my term as Technical Monitor is being allowed to expire without renewal as of March 2006. No explanation was given, but further correspondence with them I have found that the main reason is financial difficulties within NHK, forcing them to reduce the number of monitors world wide. They must also use their resources to expand their audience in new ways. Although at this moment, RJ's shortwave output remains the same, relays and all, one is tempted to speculate about what the future may hold. Meanwhile I will continue to enjoy Radio Japan's programs. "Hello from Tokyo" airing on our local Saturday evenings, 0000 UTC on 6145 kHz via Sackville is my favorite although a recent announcement may signal the end of that show. I will also continue to send reception reports to them regularly. I have quite a few of their report forms left over, so I might as

well make use of them!

73, Paul

Errol Urbelis, 563 Meadow Road, Kings Park, NY 11754-5009

I was a NASWA member way back in 1963 when Rick Roll was the editor. Then it was an all band club. I started my DXing career in 1957 with my Hallicrafters S-53a and a 50 foot piece of wire.

I met with Jerry Berg (nice guy) at the FEST and we had several QSOs about early DX conquests and memories. I had a great time at the FEST and hope to make it next year. Congratulations to Dean Bianco for some great prizes for only \$10 worth of raffle tickets. I did pick up several portables at the silent auction to bring my total up to 14 (Sangean, Grundig, Kaito, RS, Etc.). My XYL keeps asking me if I really need a total of 17 shortwave radios, including my Kenwood and Yaseu? You only have one set of ears, hi, hi! They just don't understand, hi, hi.

One question: do shortwave radios get Alzheimer's? My classic DAK-DMR-3000 keeps losing its memories.

Best of 732 & 88s to all and Gud DX, Errol.

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

FYI--the wheel's are turning still!

Hey, Russ,

No worries. You don't bug me at all. I'm happy to report that we're in the final stages of turning the process over to our people stationed at the Network in Riverside, CA. We've come up with what I think is a good card design, so we'll be able to provide hard copy verification.

Once the CO approves the design, we'll get them printed in house and turn everything over to Mr. Bill Kohutanycz (here in D.C.) and his people on the West Coast.

I'll keep you posted and will let you know when we've handed over the reigns to Bill.

Cheers, Jeff Valdez (Operations Div. Head, Naval Media Center, 2713 Mitscher Rd. SW, Washington, D.C. 20373-5819

Richard E. Wood, Ph.D. <www.richardsfruitstand.com>, HCR 3, Box 11087, Keaau, Hawaii 96749

Aloha from the Big Island! My best wishes to my old friend Gerry Dexter on the 55th anniversary of his SWling hobby, also to Ralph Perry. My 50th DXing anniversary will be coming up next year, as I began DXing September 1957 in Newcastle upon Tyne, England, where my first SWL catches were Ulan Bator 5960 and Alma-Ata 9360. As I write this, I am listening to the very first South American medium wave station I DX-ed from England in 1957, Rio de Janeiro on 1220, then called Rádio Mayrink Veiga but now, of course, Rádio Globo and booming in here in East Hawaii.

VOA Honolulu 15125 was heard then at 1000; little did I know then that I'd be living in HI, continuously since I returned from two years teaching ESL in Saudi Arabia 1981-3.

As some of you know, I am a retired professor of European languages and linguistics and now operate a mail-order and on-line store selling 100% pure Kona Coffee, the world's best.

A very active medium wave DXer, I plan to attend the IRCA convention in Seaside, OR September 22-25 this year, hosted by Pat Martin in his home town and prime DX location (address: Pat Martin, P. O. Box 843, Seaside, OR 97138-0843 or mwdxer@webtv.net). I'd like to attend other DX events in the days before and after September 22-25. So as to make this a worthwhile first US mainland trip in 23 years. I'd like to take a Greyhound bus around to meet some DXers, visit stations and perhaps give some talks on a lifetime of DXing, on recognizing foreign languages on the air, etc. I'd like to hear from you.

Richard

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

Another successful Winter SWL Festival, sponsored by NASWA, is in the history books. About 160-170 radio hobbyists descended upon Kulpville once again becoming an annual rite of passage for many of the crowd. It was a lot of fun thanks to the effort of Rich Cuff and John Figliozzi and a band of volunteers that make it all happen. Scott Barbour was the NASWA member of the year receiving the William P. Eddings Award for his fine contributions to the club. It will all be repeated next year when the 20th Winter SWL Festival will be held. It will begin on Thursday adding an extra day of fun or torment depending on your celebration intensity, hi! I hope to see many of you there once again.

Another one of those mixed bag months, QSL wise. Radio Prague sent another full data card for a broadcast I heard from Ascension Islands. John Masuku, the Executive Director the Voice of the People sent an e-mail reply to my reception report. The Dominican Republic station being heard on its first harmonic, Radio Anacaona, verified a postal report with an e-mail reply from Dr. Manuel A. Bello. Although reply came from lidiabello@hotmail.com the reply listed radioanacaona@verizon.com.do as the station's "correo electronico de la emisora." Closing out the batch is an e-mail verification from Family Radio for its Madagascar relay.

73, Rich

FRENDX: Twenty-Five Years Ago (April 1981)

The cover and inside cover were used to catch up on a backlog of *Helping Hand* member for sale items. The monthly *Roll Call* was temporarily discontinued because the space was needed for other features. Mac Leonhardt reported that the Ozark Mountain DX Club was a new group getting started. The second annual East Central Club Association convention was planned for St. Louis in July. The annual membership directory was scheduled for publication in July or August. In the *Shortwave Center*, Jerome S. Berg wrote "DX Programs — Treasures or Trash?" In *Vintage Vignettes*, Bill Taylor wrote about the Hallicrafters SX-25 Super Defiant receiver. Feedback on the February column was received from Mike Hardester, Terry Klasek, Hans Johnson and Robert R. Brown. Gerry Dexter wrote a shortwave short about the newly recognized shortwave country of Namibia. In the *QSL Report* column, Sam Barto reported 119 countries reported by the membership with Sam encouraging 130 for the following month. Wendell Craighead reported he has QSLs for Zimbabwe Broadcasting Corp marked as "Rhodesia & Nyasaland", "Southern Rhodesia", "Rhodesia", "Zimbabwe Rhodesia" and now "Zimbabwe" to which Sam replied "Your showing your age." Distributing Editor Gregg Bares noted that 80 reporters contributed to the April edition of *Frendx*.

Easy Listening

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

Substantial changes in BBCWS programming...and more frequencies disappearing

The **BBC World Service** is making significant schedule changes with the launch of the A-06 broadcast season on 26th March. Many of these changes were announced last summer, when the BBC announced plans to emphasize news and factual programming on weekdays, with arts, music and feature programming on the weekends. Along with these schedule changes, unfortunately, come further reductions in shortwave service targeting the Western hemisphere.

Frequency changes

All frequencies targeting South America and Central America have been closed down; the only remaining shortwave frequencies targeting the Americas is the following service targeting the Caribbean:

Transmissions will emanate from Montsinery, French Guiana except for the 2100 transmission from the USA (Greenville?)

11:00-13:00 Daily 11865 kHz
21:00-22:00 Daily 15390 kHz
21:00-21:30 Mon-Fri 11675 kHz
22:00-23:00 Daily 5975 kHz

Gone is the early morning service from 0900-1100, the early evening service from 2300 to 0100, and the late evening service from 0200 to 0400 targeting South and Central America.

It appears that frequencies targeting Africa and Europe were not substantially reduced, so these will become even more important for daytime listening. Based on the collective notes of listeners who posted frequency suggestion on the *swprograms* e-list one year ago, here are some alternatives.

Africa programming:

0300-0600 7160 kHz
0400-0500 7120 kHz
1200-1600 17640 kHz (actually signs on 0800)
1600-2100 17830 kHz (signs on 1100)
1600-1800 17885 kHz (West Africa), 15105 (North Africa)
1600-2300 15400 kHz

Europe programming:

0400-0700 6195 kHz
1600-1900 12095 kHz (North Africa target, but the European stream)
1700-2100 9410 kHz

As always, your mileage may vary widely with these alternatives.

Programming changes

There are significant structural changes in program timings—gone are programs beginning at 45 minutes past the hour. Instead, programs begin at :06 (after the news), :20 (*World Business Report* and *Sports Roundup*, typically), :32, :41 (*Analysis, Business Daily*), and :50 (*Sports Roundup*). Programs formerly timed at 15 minutes are now squeezed to 9 minutes.

New programs

Some cynics might think that the letters BBC now stand for "Business Broadcasting Corporation", because there is a dramatic increase in the number of business programs broadcast on a daily basis. Depending on which version of the BBC World Service you're listening to, there are 9 to 12 editions of business-specific programming each day, along with the business segments that appear in *Newshour* and *The World Today*.

A new, weekday 18-minute business program is *Business Daily* (2132 M-F, 15390

kHz, Europe webcast, and XM). The BBC describes *Business Daily* as "...a new 18 minute daily program to complement daily business and economics news on the World Service. *Business Daily* is a highly produced magazine programme dealing with global business and economics in the widest sense, focusing on issues and trends, providing context, reportage, debate, opinion and in-depth interviews, with a 3-minute business news update at the end. Other airtimes include 0141 (Sirius/XM), 0741 (Europe webcast), 1041 (Sirius/XM), and 1541 (Africa SW). *Business Daily* will also be available on-demand.

Business Brief is a shortened version of *Business Daily*, and is described as "... A 9-minute debate on what really matters in the world of business and work". It airs only on Sirius (and NPR's service) at the following weekday times (unless days otherwise shown) 0050, 0450, 2120 (Sundays only), 2250 (Sundays-Thursdays).

Culture Shock is a new weekly program that looks across the world at trends in cultural expression—what are people thinking, buying, doing and why. Airtimes and delivery platforms include Mondays 1532 (XM), 1932 (XM), and 2132 (Africa SW), plus Tuesdays 0032 (XM) and 0532 (XM), Saturdays 1632 (Sirius).

You won't hear *Documentary 3* announced as such; it is a new documentary that replaces *Masterpiece* and will have the arts as a focus. Airtimes and platforms include Fridays 0806 (Europe webcast), 1106 (Europe webcast), 1306 (Africa SW), 1406 (XM) 1906 (XM and Europe Webcast), and 2306 (Europe webcast) plus Saturdays 0006 (XM), 0506 (XM), and 1306 (Africa SW). *Documentary 3* will also be available on-demand, most likely.

The Beat is a weekly half-hour magazine show which provides a journalistic guide to popular music globally and the industry that surrounds it. Airtimes include Thurs-

days 0832 (Europe webcast), 1432 (Europe webcast), 2132 (Africa SW), 2232 (Europe webcast), Fridays 0032 (Africa SW, XM) and 0532 (XM).

Close Up is a weekly half-hour documentary taking listeners deep into creative trends, people and events, or giving new insights into well-established artistic movements and personalities. Fridays 0932 (Europe webcast), 1432 (Europe webcast), 1532 (XM), 1832 (Europe webcast), 1932 (XM), 2132 (Africa SW), 2232 (Europe webcast); Saturdays 0032 (XM, Africa SW) and 0532 (XM), Sundays 0132 (Sirius), 0732 (Sirius), 1732 (Sirius),

Changes to existing programs

Several programs are being renamed: *Go Digital* becomes *Digital Planet*; *Health Matters* will now be *Health Check*; *People and Politics* becomes *Politics UK*; *Play of the Week* becomes *BBC World Drama*; and, *Write On* becomes *Over To You*.

Heart and Soul is extended to half an hour, incorporating facets of *In Praise of God*. It aims to bring understanding of the world's main religions and the beliefs and actions of their followers, and explores the personal side of religious belief and gives insights into worship in different faiths

Outlook had been rumored to be dropped in favor of a new magazine program, but *Outlook* has now been recast as an hour-long human-interest current affairs program. Airtimes include weekdays at 0206 (Europe webcast), 0832 (Sirius; 30-minute edition), 0906 (Europe webcast), 1306 (XM, Europe webcast, Europe SW), 1432 (Africa SW; 30-minute edition), 1806 (Sirius), 2132 (Sirius; 30-minute edition), 2306 (XM); Tuesdays-Saturdays 0306 (XM).

Programs leaving the air

The end of March saw the last editions of the following programs: *British News*, *Everywoman*, *In Concert*, *In Praise of God*, *Masterpiece*, *Music Review*, *The Music Biz*,

The Music Feature, Off the Shelf, Pick of the World, Sports International, and White Label.

Caribbean shortwave programming

Overlaying the new shortwave schedule on the remaining Caribbean frequencies yields the following. News begins each hour.

1100: (M-F) ***Caribbean Report, Sport Caribbean, Caribbean Magazine, World Briefing, Analysis, Sports Roundup***; (Saturdays) ***World Briefing, Politics UK***; (Sundays) ***World Briefing, Heart and Soul.***

1200: (M-F) ***Caribbean Business, Caribbean Report, Caribbean Magazine, Outlook*** (30 minutes); (Saturdays and Sundays) ***Newshour.***

2100: (M-F) ***Sports Roundup, Caribbean Report, Business Daily, Sports Roundup*** (twice in the same hour); (Saturdays) ***World Briefing, Sports Roundup, Discovery*** (Sundays) ***World Briefing, Sports Roundup, The Instant Guide, Over to You.***

2200: (M-F) ***World Briefing, World Business Report***, (Mondays) ***Health Check***, (Tuesdays) ***Digital Planet***, (Wednesdays) ***Discovery***, (Thursdays) ***One Planet***, (Fridays) ***Science In Action***; (Saturdays) ***From Our Own Correspondent, World Business Review***; (Sundays) ***Documentary 1, Heart And Soul.***

Richard's take

It's an obvious disappointment to see further reductions in shortwave usage that would be generally audible here in North America. That makes the BBC even more difficult to hear as a casual shortwave listener. Of course, the BBC continues to emphasize other delivery platforms, such as satellite radio, live webcasts, on-demand webcasts, and now podcasts. *Off the Shelf* will be missed by many, as the program became a habitual listen for many in the late evening. That seems to be a net loss. *Business Daily* seems somewhat redundant to *World Business Report*, but the focus

on issues and trends, with a helping of analysis and insight, makes the program potentially worth a daily listen. The creation of a new documentary series should bring more variety in subject matter to the World Service, and variety is good. The loss of a *British News* segment is unfortunate; I remember when there was a 3 day/week program called *Network UK* that provided a good insight into domestic UK stories and events; alas, domestic British news is now underreported on the World Service.

The next significant improvement I hope the BBC World Service adopts is a deeper archive of its non-news programming, such as *From Our Own Correspondent, Assignment, and Analysis*. The ABC's *Radio National* generally has a four-week rolling archive, and that seems like a decent inventory.

Other April features

There is a one-time hour long special, *London Calling*, airing Sunday, April 2nd, at 1300 (XM, Sirius, Europe webcast), 1800 (XM) and 1900 (Europe webcast) that is slated to cover the end of several of the foreign language services. I am not sure if on-demand listening will be offered. Not sure if this will be Bush House spin or if an opportunity for debate will exist.

Podcasting

The World Today one-hour broadcast is now distilled down to a 15-minute podcast called *World Today Select*.

Other seasonal changes

Radio Netherlands

Saturday Connection changes names to *Weekend Connection*, as some stations are airing the program on Sundays, not Saturdays. The listener feedback portion of *Weekend Connection* is moved to a new program, *Dutch Extra*, described as an eclectic mix of items meant to contrast with *Amsterdam Forum*, which precedes it on the schedule. Bertine Krol, of *Dutch Horizons*, will also host *Dutch Extra*. *Amster-*

dam Forum is scaled back to 40 minutes to make it easier to produce. Otherwise there are no programming schedule changes.

Voice of Russia

People of Uncommon Destiny will replace *The Whims of Fate* Saturdays 0330. The **Voice of Russia** will broadcast four hours daily to North America from 0100 to 0500.

Radio Canada International

The 1400–1700 USA transmission moves to 1300–1600; the 2100–2300 transmission targeting the Southeastern US moves to 2000–2200 and moves up to 17765 kHz, which might work out better to the USA. The 2300–0000 broadcast moves to 0100–0200 UTC, but parallels the content in the 0000–0200 broadcast. There are no programming changes.

Voice of America

Some changes here, too—*Talk To America* now goes out at 1400 UTC. *Daybreak Africa* now airs for the first 30 minutes of each hour, from 0300 through 0630. *South Asia News Now* is scaled back to a single hour, 0100–0200. Use of shortwave continues to be threatened with reduction; hopefully you've all written your members of Congress to tell them how important the VOA is as a countermeasure to the propagation of terror.

Thanks to all for your help at the WinterFest!

It was great to see so many old friends and make some new ones in Kulpsville this year. The mix of informative and entertaining topics really helps the time speed by, and we're especially excited to be planning already for the 20th Fest next year. We're

already budgeting an extra day to accommodate sessions that reflect on the changes in shortwave broadcasting that we've seen over the life of the Fest. It will be a reunion for those who have attended over the decades—both for radio enthusiasts as well as for broadcasters who have joined us over the years. Mark your calendars now for March 8th through 10th, 2007 for the 20th (!) Winter SWL Festival.

Part of what makes the Fest so enjoyable—even as a “co-Festmeister”—is the spontaneous help provided during the weekend. Having so many folks willing to help makes the entire process much easier to manage. Thanks again to all who helped in one way or another.

Switzerland In Sound covers the Fest

As I've mentioned before—Bob Zanotti, now retired from **Swiss Radio International**, has a website of audio programming available for online listening or downloading at <http://www.switzerlandinsound.com>. Bob produced a one-hour program on this year's Fest; mouse over the left column navigation bar to the box labeled *The Two Bobs*, at which point you'll see the link to Bob's report on the Fest. Almost as good as being there, except you have to provide your own tuning oil. There are several interesting program topics there—it's definitely worth visiting, because **Swiss Radio International** no longer broadcasts in English on shortwave or other delivery platforms.

Have a great April—see you next month!

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/>. 

Shortwave Center

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

Greetings! This month's *swc* is dominated by two subjects that were on the minds of many swls and DXers during the month of March: the 19th annual SWL Winterfest in Kulpsville, Pennsylvania sponsored by NASWA and held March 3-4, and our woefully underactive friend (or nemesis, depending on circumstances), ol' Sol.

Leading off, our club's Executive Director Rich D'Angelo provides a comprehensive recollection of this year's Fest. This is followed by a local reporter's view of the same event. I suppose we can sympathize with anyone from "the outside" trying to describe just what it is we do to uninitiated readers. But I think you'll agree, it's not a bad attempt. Then Kim Elliott (a member whose name you will undoubtedly recognize as synonymous with the VOA and from his own column in *The*

Journal) who's been heading up the Fest's DRM demo reports on the results experienced at this year's listening post.

Joe Buch, another prominent NASWAN whose informative technical articles have appeared in *The Journal* for many years, forwards two hopeful and equally informative NASA bulletins about the much anticipated rise toward solar maximum to commence soon (we hope!) and on an interesting aspect of solar propagation.

Help me out by rating and commenting on this section of the club bulletin. Write to me at jfiglio1@nycap.rr.com or to the mailing address listed on the back cover of *The Journal*.

Happy reading!

The 2006 Winter SWL Festival

48 Unaccountable Hours

by Richard A. D'Angelo

For eighteen years, a merry band of radio monitoring hobbyists consistently flocked to southeastern Pennsylvania to enjoy each others company and learn something about the medium we all have in common. First to the infamous Pancho Villa Motor Inn in Willow Grove where the seed of the midnight ride was born. Then seventeen consecutive years at the same "Kulpsville" location. Somewhere along the way, Kulpsville became Towamencinn but that's another story for another time.

With that brief history lesson behind us, we can concentrate on the present. This year, 2006, marked the 19th edition of the Winter SWL Festival. Once again, radio monitoring pilgrims of all

persuasions trekked to Kulpsville to pay homage to the hobby enjoyed by a faithful of devoted followers. Rich Cuff, John Figliozi and a huge band of volunteers continued the fine tradition established by the original "gang of three", Bob Brown, Harold



Hosts Rich Cuff (left) and John Figliozi smiling because they were able to balance the books this year!

Cones and Kris Fields. By the way, Harold and Kris continue to play an active role in Fest activities. Kris along with Alan Johnson gladly collects silent auction money from the "lucky" winners. Harold hosts a significant portion of the evening programming handing out prizes to the raffle winners with assistance from John, Rich and Alan.



Left to right: Mike Wolfson, Rich D'Angelo and Bill Oliver hiding behind the Company Store inventory at the club table.

A two day affair such as the Winter SWL Festival is really spread over four days when you consider set up on Thursday and final departures on Sunday morning. Activity begins Thursday establishing the hospitality room under the able direction of Marvin and Mike Wolfson, father and son. I suppose Marvin's main function is to make sure Mike behaves himself but I don't think it is working. Once again, antenna guru Ed Mauger braved the wet, windy conditions to set up the antennas used for the main ballrooms radio displays on Friday and Saturday.

The serious fun begins on Friday morning as the Stockholm Room officially opens and Rich Cuff, who seemed to control the microphone this year, opened FESTivities. Folks are usually drifting in on Friday since not

everyone manages to arrive on Thursday. I drifted in late morning having spent considerable time and effort radio research in my attic on Jerry Berg's behalf. But, that's another story for another time!

The Friday program began with a panel discussion lead by Sheldon Harvey about the future of radio clubs. This was followed by the annual pirate forum, a very popular Fest item, hosted by Chris Lobdell and John Fisher who are substituting for the missing in action George Zeller who got his weekends mixed up. But, that's another story for another time!



Kim Elliott (left) and former DXers Forum editor Rowland Archer discuss the fine points of DRM reception.

The afternoon began with the Scanner Scum, lead by Skip Arey and Tom Swisher, doing what they do best; showing hobbyists how to listen in on an unsuspecting society at large. This was followed by gizmo expert John Wagner from Universal Radio who reviewed different products designed to squeeze out some reception improvements. The afternoon closed with Steve Colletti presenting rare and vintage videos and tapes with radio as the common theme.

Friday evening saw a bunch of us gather at an Indian Restaurant for the evening meal. We

sat down around the same time that the Indian regional stations begin their sign on routine, which I felt was very appropriate. The meal was excellent although not everything could be readily identified by the participants. I suppose identifying the food was on a "need to know basis." Sometimes you just don't need to know.

While we were out enjoying Indian food, many others were still attending forums and doing other unmentionable Fest activities. Uncle Skip Arey held a forum designed to

including the infamous ride of the legendary Pancho Villa at midnight. After all these years, Pancho still has a substantial following although his voice seems to be aging a little. Maybe Pancho has had one too many midnight rides? After all, he isn't as young as he once was.

The morning opened with Uncle Skip hosting another panel discussion about writing on radio subjects for club bulletins or magazines. Uncle Skip was busy this year being directly involved with three major forums.

This was followed by Harold "Dr. DX" Cones discussing his radio research including a mind numbing radio telepathy experiment. The morning closed with everyone jockeying for position at the infamous pizza lunch and dessert buffet. This year's feeding frenzy went smoother than I can ever recall. The line moved quickly and everyone was filled to the brim with pizza, salad and cake.

New this year was an "after lunch" general discussion on a variety of radio topics lead by John Figliozzi. Allan Loudell provided interesting perspectives on AM radio with emphasis on his market

in Delaware. The afternoon featured Greg Majewski with a comprehensive review of the new, exciting Eton E1 portable short-wave radio. The afternoon excitement always ends with the conclusion of the silent auction where funds are donated to a worthy cause.

There is about 90 minutes of free time between the end of the silent auction and the opening of the cash bar signifying the banquet is about to commence. After the banquet, I had the pleasure of announcing Scott Barbour as the 2006 William P. Eddings Award recipient as our member of the year. Also, John Stevenson, Chief, Worldwide English, at the Voice of America presented some interesting remarks on what is happening to the VOA in Washington, DC.



Left to right: Ed Mauger, Rich Cuff and Dan Cashin in front of the NASWA table.

get newcomers to the hobby up-to-speed. This was followed by the Listening Lounge with David Goren and Myke Weiskopf.

One of the best parts of the Winter SWL Festival is the gatherings that take place in the evenings. Whether it is small group meetings in individual rooms or larger clusters of radio hobbyists in the hospitality room, these social interactions help "make" the Fest the Fest. I arrived in the hospitality room around 2130 local time to enjoy some liquid refreshments with other devoted followers. It's moments like these that make it all worthwhile.

Saturday is the big day at the Winter SWL Festival with full program during the day with an entertaining evening package

The real fun begins with the infamous raffle where Marianne Kehoe and her partner in crime this year Gary Neal fleece willing FES-Ters by selling enough raffle tickets to help pay down the U.S. deficit. We should put these two in charge at the Treasury. Another successful raffle with Harold Cones providing the running commentary as tickets were drawn and winners announced.

After not winning anything in the raffle for the fifth straight year, I headed to the hospitality room to discuss nothing important with other so inclined NASWA members. A little later I found myself sequestered with a handful of other radio hobbyists enjoying all sorts of discussions about nothing in particular while marveling about what a great time we manage to have each year.

I left Kulpville in the early morning hours so I missed what may have happened on departure morning. I probably missed seeing some long faces as departure day tends to do that to people. Nevertheless, we will all meet again in Kulpville for the 20th Annual Winter SWL Festival on 8-9-10 March 2007. It's never too early to circle those dates on your calendar so other family members don't mangle your time for you. The 20th Fest promises to be bigger (an extra day was added) and better than ever. This will be the must attend event of the new millennium or something like that.

While at Kulpville, a reporter from the local daily newspaper titled (oddly enough) "The Reporter" visited the Fest and filed this story which ran in Saturday's (March 4th) edition.

Pirate radio takes to the air

TOWAMENCIN—There's something strange on the air in Kulpville. If you're driving through today, try tuning in to 91.5, 88.9, 91.3 or 90.5 FM—just don't tell the Federal Communications Commission.

Pirate radio is just the tip of the iceberg at the 19th annual winter Short Wave Listen-

ers Festival, which draws short wave lovers from as far as Japan.



John Fisher (left) and Chris Lobdell, the club's Pirate Radio Report editor, resting after a long day of sitting and listening to forums.

seem to fly by and before you know it 48 hours have passed. Where does the time go? I don't seem to remember all 48 hours. However, that's another story for another time!

Naturally, I enjoyed myself once again at Kulpville's premier entertainment, educational and social event of the year. It doesn't get much better than this. I look forward to seeing many of my old friends, and some new ones too, I hope, once again next year.

ers Festival, which draws short wave lovers from as far as Japan.

"The SWL Fest is the largest gathering of listeners to the radio spectrum—long-wave, mediumwave, shortwave (broadcast, utilities, pirates), VHF/UHF, FM, scanners, television and satellites—in the United

States, perhaps the world," is how the self-described "Scanner Scum" describe it on their Web site. Broadcasters make up only a small part of the gathering.

The unlikely gathering finds adherents of "an introverted kind of habit getting together in a public place. It's like a group getting together for reading," said Andrew Yoder, a pirate radio aficionado from central Pennsylvania who wore shorts to the festival Friday.

There was an odd collection of equipment on display at the Inn at Towamencin, ranging from radio spectrum displays to a TV playing satellite programming with Arabic subtitles.

The festival continues through today. For more information, go to www.swlfest.com.

Though attendees' technical expertise varied, a simple theme united them: "Radio today around here is just so bland," is how Dan Cashin, of Havertown, put it.

Bland is probably not the word to describe WBCQ "The Planet," Allan Weiner's shortwave radio station, which is permitted to operate legally.

WBCQ's diverse programs include "Global Spirit Proclamation," "Cows in Space" and many others.

"Free speech, it's more than just words" is the station's motto.

Although Weiner lives in Monticello, Maine, his broadcast can be picked up in most of North America, he said. For somewhere between \$25 and \$55 an hour, he'll put your program on.

"If you have something to listen to, people will seek it out," he said.

He has no way of knowing just how many people are listening.

"There's no Arbitron of shortwave," he said.

But judging from hits to his Web site, there's an audience of thousands that's growing.

Still, many worried that radio geeks were becoming a dying breed.

A forum Friday morning focused on whether radio clubs would survive.

"There was no discussion of this group and it's survival insofar as bringing new people into the community," Ed Cummings, of Philadelphia, said later in the day.

Cummings brought two guests, but worried that an insular culture would lead to the festival's eventual extinction.

The festival brings together radio lovers from, literally, across the spectrum.

Bill Oliver, 77, is the publisher and business manager of the North American Shortwave Association.

"We're the only shortwave listening club in the U.S. at the present time," he said—the last one still around.

Though there are plenty of ham operator clubs, those who monitor weather conditions in order to tune in to obscure broadcasts on another side of the world are harder to find these days.

That probably has something to do with young and technically inclined people favoring computers, Oliver said. "I don't blame them—I'm a computer man myself."

But Oliver, who said he was a fan of DXing—radio lingo for tuning in to stations far, far away—the thrill is, in part, in the seeking.

"The real fun is finding these things," he said.

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Kim Elliott reports on the results of the 2006 Fest's ongoing Digital Radio Mondiale experiment. This is the fourth year this listening post has been active—a tribute to Kim's efforts, as well as perhaps (Warning: Editor's personal opinion slipped in here) an unfortunate cautionary note about the painfully slow progress of DRM. Armed with a (Yes, there still isn't an off the shelf consumer grade DRM radio for anyone to buy. —ed.) VOA laptop, his own speakers, a sound card purchased by the Fest for the occasion, DRM software, a TenTec receiver (later raffled off as one of the banquet's grand prizes) and a longwire hotel rooftop antenna erected by Ed Mauger, Kim was able to wrest readable—and often actually quite nice quality—signals from the ether. Here's his report.

Kulpsville DRM Results

Here are our results, using a Ten-Tec 320D and a Fujitsu laptop with built-in sound card:

March 3rd, 2006:

- 1600–2000 UTC: 11735 kHz (CBC/RCI English): additional transmission

Solid reception until about 1930, when it would occasionally drop out.

- 2045–0000 UTC: 9800 kHz. (Various English transmissions: Vatican, RNW, CBC, DW, Sweden): regular transmission

Good reception again, although some dropouts again after 2230. We also noticed Bonaire on 11845 also dropping out at about the same time, so perhaps propagation was deteriorating.

March 4th, 2006:

- 1600–1800 UTC: 11900 kHz TDP (techno music): regular transmission

Mostly solid, but with a few dropouts.

- 1805–2000 UTC: 11735 kHz (CBC/RCI English): additional transmission

Solid reception throughout.

Note: Between 15:00 and 15:59 UTC, Radio Sweden has a daily DRM transmission on 17,880 kHz from Sackville to Europe ... Back-lobe radiation may give some service in the Kulpsville area ;-)

We were not able to hear this.

On Sunday, we did receive a bit of DW Sines at 1600–1800 on 12080. This is the first time we have received trans-Atlantic DRM at the Fest. We heard the audio for only a few seconds at a time, but the text was more successful.

We had a long wire antenna on the roof of the hotel, which was picking up a lot of noise from the building. The noise was evident in most analogue reception, but, of course, completely absent during DRM reception.

This is the first time we have received trans-Atlantic DRM at the Fest. We heard the audio for only a few seconds at a time, but the text was more successful.

Next year, perhaps we can experiment with lower bitrate transmissions when the signal drops out. Also, I would like to devise some sort of “modem” to receive DRM text via shortwave and capture it to a PC. Text reception would probably be possible in many situations where audio is not.

Next, a couple of recent NASA press releases, forwarded by Joe Buch, on a subject of interest and importance to all of us.

NASA Aids in Resolving Long Standing Solar Cycle Mystery

March 6, 2006

Dwayne Brown/Erica Hupp
Headquarters, Washington
(202) 358-1726/1237

Bill Steigerwald/Nancy Neal-Jones
Goddard Space Flight Center, Greenbelt, Md.
(301) 286-5017/0039

Scientists predict the next solar activity cycle will be 30 to 50 percent stronger than the previous one and up to a year late. Accurately predicting the sun's cycles will help plan for the effects of solar storms. The storms can disrupt satellite orbits and electronics; interfere with radio communication; damage power systems; and can be hazardous to unprotected astronauts.

The breakthrough "solar climate" forecast by Mausumi Dikpati and colleagues at the National Center for Atmospheric Research in Boulder, Colo. was made with a combination of computer simulation and groundbreaking observations of the solar interior from space using NASA's Solar and Heliospheric Observatory (SOHO). NASA's Living With a Star program and the National Science Foundation funded the research.

The sun goes through a roughly 11-year cycle of activity, from stormy to quiet and back again. Solar storms begin with tangled magnetic fields generated by the sun's churning electrically charged gas (plasma). Like a rubber band twisted too far, solar magnetic fields can suddenly snap to a new shape, releasing tremendous energy as a flare or a coronal mass ejection (CME). This violent solar activity often occurs near sunspots, dark regions on the sun caused by concentrated magnetic fields.

Understanding plasma flows in the sun's interior is essential to predicting the solar activity cycle. Plasma currents within the sun transport, concentrate, and help dissipate solar magnetic fields. "We understood these flows in a general way, but the details were unclear, so we could not use them to make predictions before," Dikpati said. Her paper about this research was published in the March 3 online edition of *Geophysical Research Letters*.

The new technique of "helioseismology" revealed these details by allowing researchers to see inside the sun. Helioseismology traces sound waves reverberating inside the sun to build up a picture of the interior, similar to the way an ultrasound scan is used to create a picture of an unborn baby.

Two major plasma flows govern the cycle. The first acts like a conveyor belt. Deep beneath the surface, plasma flows from the poles to the equator. At the equator, the plasma rises and flows back to the poles, where it sinks and repeats. The second flow acts like a taffy pull. The surface layer of the sun rotates faster at the equator than it does near the poles. Since the large-scale solar magnetic field crosses the equator as it goes from pole to pole, it gets wrapped around the equator, over and over again, by the faster rotation there. This is what periodically concentrates the solar magnetic field, leading to peaks in solar storm activity.

"Precise helioseismic observations of the 'conveyor belt' flow speed by the Michelson Doppler Imager (MDI) instrument on board SOHO gave us a breakthrough," Dikpati said. "We now know it takes two cycles to fill half the belt with magnetic field and another two cycles to fill the other half. Because of

this, the next solar cycle depends on characteristics from as far back as 40 years previously—the sun has a magnetic ‘memory.’”

The magnetic data input comes from the SOHO/MDI instrument and historical records. Computer analysis of the past eight years’ magnetic data matched actual observations over the last 80 years. The team added magnetic data and ran the model ahead 10 years to get their prediction for the next cycle. The sun is in the quiet period for the current cycle (cycle 23).

The team predicts the next cycle will begin with an increase in solar activity in late 2007 or early 2008, and there will be 30 to 50 percent more sunspots, flares, and CMEs in cycle 24. This is about one year later than the prediction using previous meth-

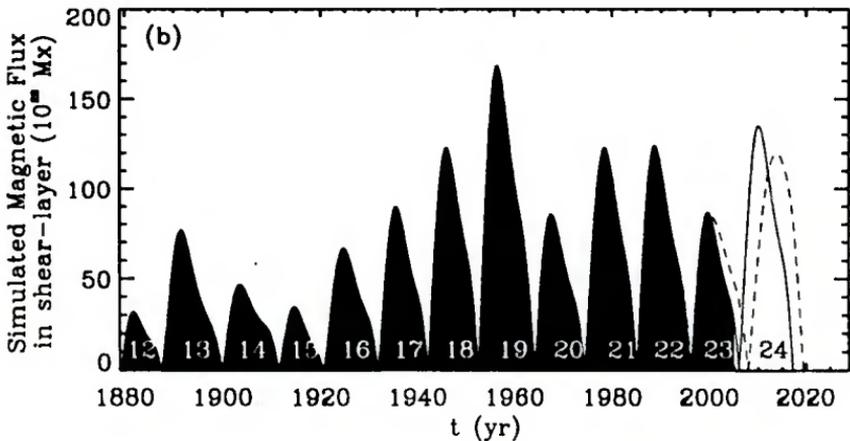
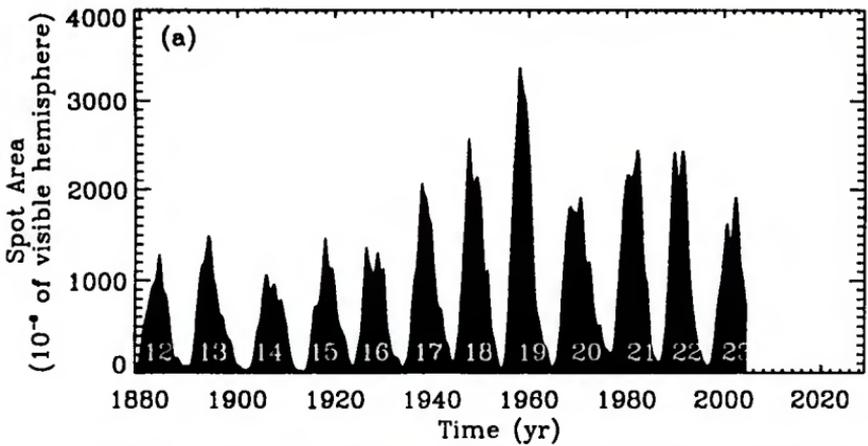
ods, which rely on such statistics as the strength of the large-scale solar magnetic field and the number of sunspots to make estimates for the next cycle. This work will be advanced by more detail observations from the Solar Dynamics Observatory, scheduled to launch in August 2008.

SOHO is a project of international collaboration between NASA and the European Space Agency. For images explaining the data on the Web, visit:

http://www.nasa.gov/vision/universe/solarsystem/solar_cycle_graphics.html

For information about NASA and agency programs on the Web, visit:

<http://www.nasa.gov/home>



NASA Spacecraft Helps Researchers See The Sun's Far Side

March 9, 2006

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Bill Steigerwald/Nancy Neal-Jones
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NASA researchers using the Solar and Heliospheric Observatory (SOHO) spacecraft have developed a method of seeing through the sun to the star's far side. The sun's far side faces away from the Earth, so it is not directly observable by traditional techniques.

"This new method allows more reliable advance warning of magnetic storms brewing on the far side that could rotate with the sun and threaten the Earth," said NASA-supported scientist Phil Scherrer of Stanford University, Stanford, Calif.

Magnetic storms resulting from violent solar activity disrupt satellites, radio communications, power grids and other technological systems on Earth. Advance warning can help planners prepare for operational disruptions. The sun rotates once every 27 days, as seen from Earth, and this means the evolution of active regions on the far side of the sun previously has not been detectable.

Many of these storms originate in groups of sunspots, or active regions - areas with high concentration of magnetic fields. Active regions situated on the near side of the sun, the one facing the Earth, can be observed directly. However, traditional methods provided no information about active regions developing on the other side of the sun. Knowing whether there are large active regions on the opposite side of the sun may greatly improve forecast of potential magnetic storms.

The new observation method uses SOHO's Michelson Doppler Imager (MDI) instrument

to trace sound waves reverberating through the sun to build a picture of the far side.

The sun is filled with many kinds of sound waves caused by the convective (boiling) motion of gas in its surface layers. The far side imaging method compares the sound waves that emanate from each small region on the far side with what was expected to arrive at that small region from waves that originated on the front side. An active region reveals itself because its strong magnetic fields speed up the sound waves. The difference becomes evident when sound waves originating from the front side and from the back side get out of step with one another.

"The original far-side imaging method only allowed us to see the central regions, about one-quarter to one-third of its total area," Scherrer said. "The new method allows us to see the entire far side, including the poles." Scherrer started an effort to use the new method to create full far-side images from archived MDI data collected since 1996. The project was completed in December 2005.

Douglas Biesecker of the National Oceanic and Atmospheric Administration's Space Environment Center, Boulder, Colo., said, "With the new far side photo album going back to 1996, we can discover identifying characteristics of active regions. This will improve our ability to distinguish real active regions."

SOHO is a cooperative project between the European Space Agency and NASA. For SOHO information and images on the Web, visit:

www.nasa.gov/vision/universe/solarsystem/soho_xray.html

For information about NASA and agency programs on the Web, visit:

<http://www.nasa.gov/home>



Kim's Column

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

At VOA, massacres come in threes

We had just digested, dyspeptically, the bad news on February 1 about major reductions to VOA's shortwave frequencies, followed on February 6 by the announcement that VOA would lose News Now, its global English service, plus five other language services, plus radio in six additional languages. (See my [March column](#).) Then, on February 24, more bad news: the Broadcasting Board of Governors has decided to close the VOA (officially International Broadcasting Bureau) relay stations in Greece. This includes the twelve shortwave and one medium wave transmitters at Kavala, and one medium wave at Rhodes.

Virtually every NASWA member has heard VOA via Kavala. The station nominally serves the former Soviet Union, the Middle East, eastern Africa, South and even East Asia. Its signals are heard well beyond those regions, down to New Zealand, and over here to North America. Despite eleven other IBB shortwave sites, I'm concerned that VOA may not retain its global coverage without Kavala or another facility somewhere in that part of the world. In my article "[The Kavala Gap](#)" for Radio Netherlands Media Network, I explain why VOA must maintain its global shortwave capability for future crises.

U.S. international broadcasting: news or "message"?

Recent op-eds in defense of VOA's doomed News Now included [one by John Schulz](#) in the *Boston Globe*. Schulz is a former VOA correspondent, now dean of the College of Communication at Boston College. Kenneth Tomlinson, chairman of the Broadcasting

Board of Governors, [responded](#), writing: "There is a great deal of nostalgia from those who worked here during the Cold War for the days of banging typewriters and shortwave radio. To fight the war on terror, however, requires the latest in satellite television technology, FM radio, and the Internet." In that letter, Tomlinson also wrote: "The Bush administration and Congress have had a consistent vision to utilize 21st-century technologies to send America's message to where it will do the most good in the war on terror."

That last sentence prodded me to write [my own letter to the Globe](#). "First, invoking the administration and Congress does not help the credibility of US international broadcasting, which is established by demonstrating journalistic autonomy from its sponsoring government. Second, people do not tune to foreign broadcasts to get 'America's message.' They tune to get news that is more credible than what they get from their state-controlled domestic media. Third, the Voice of America is not some sort of psyops instrument in the 'war on terror.' It has an audience because it has built credibility over the decades."

Tomlinson, or whoever writes his letters, should know that. A few weeks later, that word "message" was used again, by R. Nicholas Burns, under secretary of state for political affairs: "Fifty-five million dollars, the largest portion, will be dedicated to communicating our message to the Iranian people, offering them unbiased information." Well, which is it? "Our message" or "unbiased information"? Our message may be in favor of democracy, human rights, and free markets, but noble as those concepts are, a message advocating them is not unbiased information, and it does not build the credibility an international broadcaster needs to have an audience. News via

international broadcasting and advocacy via public diplomacy should be done by two separate agencies, from two separate buildings, and at the very least they should occupy two different sentences.

The credibility of VOA and U.S. international broadcasting has taken a beating by other recent sentences (with my emphases added)...

Taipei Times, March 8: "The reports by the quasi-official Voice of America (VOA), which misquoted Taiwanese officials on the issue, added to the misunderstanding and further complicated the problem."

Middle East Quarterly, March 9: "Voice of America radio, in a January 6 editorial 'reflecting the views of the U.S. government,' strongly condemned Qadir's detention."

Venezuela Information Centre, March 9: VOA is fully funded by the U.S. government and Secretary of State Condoleezza Rice is one of its eight board members.

In those three sentences, credibility was strained not by inaccurate reporting, but by the bureaucratic structure of U.S. international broadcasting as correctly described in these items.

Even VOA's own press releases can be problematic. One on March 9 proclaimed the VOA Persian television service's "exclusive" interview with Elizabeth Cheney, deputy assistant U.S. secretary of state for near eastern affairs.

The interview itself made perfect sense. Cheney has taken on new responsibilities for promoting democracy in Iran. But why, in this and many previous press releases, would VOA want to draw attention to the fact that it interviews senior administration officials? It gives the impression that VOA is some sort of administration mouthpiece. Maybe the administration will be flattered, but listeners won't be impressed, and cred-

ibility, again, suffers. (By the way, the press release does not mention that Elizabeth Cheney is Vice President Cheney's daughter.)

DRM update

It was great to meet several of you at the Winter SWL Festival in Kulpsville, Pennsylvania. At the Fest, I organized a small display of DRM, the digital shortwave mode. We used a Ten-Tec R-320D receiver with a Fujitsu laptop.

The DRM reception produced mixed results. The wire antenna close to the hotel roof captured a lot of noise from the hotel. This could be heard in the background of most analog signals. The DRM reception, however, was absolutely static free.

On the other hand, after an hour or so of reception from Sackville or Bonaire, propagation would decline, and the DRM signal was lost entirely. If DRM can't hang on to a signal from those relatively nearby transmitting sites, how useful can it be for shortwave broadcasting?

Nevertheless, we should keep tinkering. For next year's gala twentieth annual SWL Fest, I will try to get more DRM receivers and more transmissions. We'll employ lower bitrates or may even text-only reception in an attempt to achieve useful trans-Atlantic DRM reception. We might also try amateur radio's PSK-31 mode as a means of receiving broadcast news on shortwave.

Finally, I'll also try to acquire some of the new crop of internet "radios." These devices, that look and feel like radios, are actually little computers or computer peripherals for the purpose of receiving streamed audio from the internet. They serve much the same function as a shortwave radio for receiving broadcasts from abroad, albeit without the thrill of DX.

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

Listener's Notebook

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AFGHANISTAN *Radio Afghanistan* tells Cumbre DX that their new 100 kW transmitter will carry a Foreign Service only. It won't be a relay of the domestic service. (Johnson Mar 10/Cumbre DX)

9345 *Radio Peace* (p) Following up on Mauno and Bruce's tips, I heard this one from 0225 until 0303 tune out. Nothing but music the entire time, not a single announcement. (Johnson via DX Tuner Europe, Mar 11/Cumbre DX)

ALBANIA *Radio Tirana* A-06 schedule

0145-0200	English	6115 7455 Mo-Sa
0230-0300	English	6115 7455 Mo-Sa
0630-0900	Albanian	7105
1800-1830	German	7465 Su-Fr
1845-1900	English	7465 Su-Fr
1900-1930	French	9920 Su-Fr
1931-2000	English	9920 Su-Fr
1931-2000	Italian	5995 Mo-Sa
2015-2030	Ser/Cro	6205 Su-Fr
2030-2200	Albanian	6205
2130-2200	English	7465 Su-Fr
2300-0030	Albanian	7455

(RT via Drita Cico, wwdxc BC-DX Feb 28/DX Listening Digest/Hauser-OK)

BELGIUM *Radio Vlaanderen Internationaal* A-06 SW schedule. All Dutch (Flemish).

0600-0700	13685 (St. Petersburg)
0700-0800	9590 (Rampisham)
1700-1800	13685 (Moscow)
1800-1900	9590 (Skelton)

(O'Shea-CANADA/DX Listening Digest/Hauser-OK)
[How sad is this? Four little lines from what used to be a shortwave giant.-AQ]

BOLIVIA 5000 *Radio Virgen de los Remedios*, Tupiza, 2344-2400, Mar 07, inspirational music, el Padre Pablo responding to questions; Radio Catolica Mundial, news at 0000; strong on new frequency. (Mur in Conexion Digital) Presumed on 5000-4996.42, 0121-0141 Mar 13, Spanish religious program relaying Radio Catolica Mundial. (Eramo-ARG/DSWCI DX-Window/Petersen-DK)

5580.32 *Radio San Jose*, San Jose de Chiquitos, 2339 2350, Mar 12, Spanish, comments by female announcer, musical program (poor audio). (Eramo, Argentina)

5680.7v *Radio San Rafael*, San Rafael, Cochabamba, 2215-2240v*, March 11, 12, 13 and 14, new

bolivian station on shortwave? sports talk in Spanish, short talk in Aymara, ID as: "...por Radio San Rafael." Live transmission from a local festival, another ID: "...en sintonia de Radio San Rafael," mention of Sipe Sipe several times; abrupt s/off at 2240 (also heard at 2200* and at 2230*). The DXer Rogildo Fontenelle Aragao told us that is the reactivation of La Voz del Campesino, Sipe Sipe but we heard the very clear ID as Radio San Rafael. (Eramo and Slaen-ARG/Chascomus). Also heard *0945v-1045 fade out, Mar 14 and 19, traditional vocals, briefly interrupted by DJ in Spanish, frequency slowly drifting. (Wilkner/DSWCI DX-Window/Petersen-DK)

Radio Logos [6165] is on a regular schedule broadcasting all day from 6am to 7pm local [1000-2300 UT]. They have been getting good sig reports in Bolivia including rural Potosi which is some distance from Santa Cruz. (Borthwick-CANADA, March 14/DX Listening Digest/Hauser-OK)

BRAZIL 5965/9530/11735 *Radio Nova Visao*, Santa Maria, RS, is no more, as the company was purchased and registered under Fundacao Sistema RTM de Radio e Televisao, acting in Brazil for Trans World Radio (Romais-BRZ via Goncalves/DSWCI DX-Window/Petersen-DK)

BULGARIA *Radio Bulgaria* A06

0000-0100	Bulgarian	9500 9700 11500 11700
0100-0200	French	9700 11700
0100-0200	Spanish	9400 9500 11500
0200-0300	English	9700 11700
0300-0400	Russian	7500 9400
0400-0500	Bulgarian	7200 7500 9400 9500 11500 Sa/Su
0430-0500	Bulgarian	7200 7500 9400 9500 11500 Mo-Fr
0500-0530	German	9500 11500
0500-0530	Greek	7200 Mo-Fr
0500-0530	Russian	7500 9400
0500-0530	Turkish	6000 7400
0500-0600	Greek	7200 Sa/Su
0530-0600	Albanian	7200 Mo-Fr
0600-0630	French	9500 11500
0600-0630	Serbian	7200 Mo-Fr
0600-0630	Spanish	11600 13600
0600-0700	Albanian	7200 Sa/Su
0630-0700	English	9500 11500
0700-0800	Serbian	7200 Sa/Su
1000-1030	Bulgarian	7200 11600 11700 13600 15700

1000-1030	Turkish	6000 7400	1600-1630	Russian	11935wof 15325rmp
1030-1100	German	11700 15700	1600-2000	French	17765sac
1030-1100	Greek	7200	1800-1900	English	9630wer 11765kas
1030-1100	Russian	11600 13600			13730wer 15255skn
1100-1130	Albanian	7200	1900-2000	French	5850hby 7235skn
1100-1130	French	11700 15700			11765kas 13730skn
1100-1130	Spanish	11600 13600			15235sac 15255skn
1130-1200	English	11700 15700			15325sac
1130-1200	Serbian	7200	1915-1945	Arabic	13650sac 15180mos
1200-1400	Bulgarian	11700 15700	2000-2100	English	5850hby 7235skn
1400-1500	Russian	7500 9400 11700			11765wer 15325sac
1500-1600	Bulgarian	7200 7500 9400 11500			17765sac

1600-1630	Albanian	7200	2100-2130	Portuguese	15455sac 17860sac Fr-Su
1600-1630	Russian	7500 9400	2100-2200	French	9665hby 11810skn
1630-1700	German	9500 11500			15325sac
1630-1700	Greek	7200	2130-2200	Portuguese	17860sac Fr-Su
1630-1700	Spanish	11700 15700	2200-2230	Portuguese	17860sac Fr-Su
1700-1730	French	9500 11500	2200-2300	Chinese	9525kim 9870kim
1700-1730	Serbian	7200			12035yam
1730-1800	English	9500 11500	2200-2300	English	6100sac
1730-1800	Turkish	7400	2200-2300	French	15180sac
1800-1900	Bulgarian	5900	2200-2300	Spanish	11990sac 15455sac
1800-1900	Russian	7500 9400	2230-2300	Portuguese	17860sac Fr-Su
1800-2000	Bulgarian	7400 9700	2300-2330	French	9525kim 12035yam
1900-2000	Albanian	5900			13660yam
1900-2000	German	5800 7500	2300-2330	Portuguese	13710sac 17860sac Fr-Su
2000-2100	French	5800 7500	2300-2400	French	6100sac
2000-2100	Greek	5900	2300-2400	Spanish	11990sac 15455sac
2100-2200	English	5800 7500	2330-2400	Portuguese	17860sac Fr-Su
2100-2200	Serbian	5900			
2100-2200	Spanish	11800 13800			
2300-2400	English	9700 11700			
2300-2400	Russian	11600			
2300-2400	Spanish	9500 11500			

Radio Varna

0000-0300	9300 Mo
2100-2400	9300 Su

(DX Mix News/Ivanov-BUL)

CANADA Radio Canada International A06

0000-0100	Chinese	9690kim 11895kim
0000-0100	English	11700kun
0000-0100	Spanish	11990sac 13725sac
0000-0200	English	9755sac 13710sac
0200-0300	Arabic	5840hby 5955wer
0200-0300	Spanish	9755sac 13710sac
0300-0400	Arabic	7230wer 9520mos
0300-0400	French	6040sac
1100-1300	French	9515sac
1200-1300	English	9660yam 15170yam
1300-1330	Chinese	9660yam 15170yam
1300-1600	English	9515sac 13655sac
		17800sac
1430-1500	Chinese	11935yam 15295yam
1500-1530	Russian	11935wof 15325rmp
1500-1600	English	11675kun 15360wer
		17720uru

Transmitters

fle: Flevo
hby: Hoerby
kas: Kashi
kim: Kimjae
kun: Kunming
mos: Mosbrunn
nruc: National Radio Co.,Ukr.
rmp: Rampisham
sac: Sackville
skn: Skelton
sol: Slvesborg
uru: Urumqui
vol: Voice of Lebanon
wer: Wertachtal
wof: Wooferton
(RCI Web site/Alan Roe)

CHINA-TAIWAN Radio Taiwan International A06

0000-0100	Hakka	5950-WYFR
0000-0100	Hokkien	11875-TWN 15440-WYFR
0000-0100	Mandarin	9660-TWN 11640-TWN
		11885-TWN 15245-TWN
0100-0200	Cantonese	5950-WYFR 15290-TWN
		15440-WYFR
0100-0200	English	11875-TWN 15465-TWN

0100-0200	Mandarin	9660-TWN 11640-TWN 11885-TWN 15215-WYFR 15245-TWN 17845-WYFR	1200-1300	Mandarin	6085-TWN 6150-TWN 7185-TWN 9680-TWN 9780-TWN 11605-TWN 11665-TWN 11780-TWN 15465-TWN
0200-0300	Cantonese	15610-TWN			
0200-0300	English	5950-WYFR 9680-WYFR			
0200-0300	Hakka	15440-WYFR	1300-1400	Hakka	11915-TWN 15175-TWN
0200-0300	Mandarin	9660-TWN 11640-TWN 11885-TWN 15245-TWN 15290-TWN	1300-1400	Hokkien	11635-TWN 15465-TWN
			1300-1400	Japanese	7130-TWN 9635-TWN
			1300-1400	Mandarin	6085-TWN 6150-TWN 7185-TWN 7445-TWN 9680-TWN 9780-TWN 11665-TWN 11780-TWN 15265-TWN
0200-0300	Spanish	15215-WYFR 17845-WYFR			
0300-0400	English	5950-WYFR 15215-WYFR 15320-TWN			
0300-0400	Hakka	15610-TWN	1300-1400	Russian	15195-Issoudun 15195-TWN
0300-0400	Mandarin	11640-TWN 11885-TWN 15245-TWN 15290-TWN	1400-1500	English	15265-TWN
0400-0500	Mandarin	5950-WYFR 9680-WYFR 11640-TWN 11885-TWN 15270-TWN 15290-TWN 15320-TWN	1400-1500	Indonesian	11875-TWN
			1400-1500	Mandarin	6085-TWN 6145-TWN 7130-TWN 7185-TWN 9680-TWN 11665-TWN 11780-TWN
0400-0500	Spanish	11740-WYFR			
0500-0600	Cantonese	5950-WYFR 9680-WYFR 15320-TWN	1400-1500	Thai	15465,11635-TWN
			1400-1500	Vietnamese	9695-TWN
0500-0600	Hokkien	15580-TWN	1500-1600	Hakka	11875-TWN
0500-0600	Mandarin	9505-WYFR 15270-TWN	1500-1600	Mandarin	6145-TWN 7130-TWN 7185-TWN 9680-TWN 11665-TWN
0600-0700	German	7520-WYFR			
0600-0700	Spanish	5950-WYFR			
0600-0700	Thai	15270-TWN	1500-1600	Thai	7445-TWN
0700-0800	English	5950-WYFR	1600-1700	English	11550-TWN
0700-0800	French	7520-WYFR	1600-1700	Russian	9760-Wertachtal
0800-0900	English	9610-TWN	1600-1800	Mandarin	6145-TWN 7130-TWN 7185-TWN 7365-TWN 9680-TWN
0800-0900	Japanese	11605-TWN			
0900-1000	Mandarin	6085-TWN 6150-TWN 7185-TWN 9415-TWN 11520-TWN 11605-TWN 11635-TWN 11665-TWN 11715-TWN 15525-TWN	1700-1800	English	6170-TWN 15960-Issoudun
			1800-1900	English	3965-Issoudun
			1800-1900	German	9955-TWN
0900-1000	Vietnamese	15270-TWN	1900-2000	French	6045-Skelton
1000-1100	Cantonese	11635-TWN 11715-TWN 15525-TWN 15270-TWN	1900-2000	German	6185-Skelton
			1900-2000	Mandarin	9955-TWN 17750-WYFR
1000-1100	Hokkien	11605-TWN	2000-2100	French	9955-TWN 13695-WYFR 18930-WYFR
1000-1100	Mandarin	6085-TWN 6150-TWN 7185-TWN 9415-TWN 9780-TWN	2000-2100	Spanish	5975-Nauen
			2100-2200	French	9365-Issoudun
			2100-2200	German	3965-Issoudun 18930-WYFR
1000-1200	Indonesian	11520-TWN 11550-TWN			
1100-1200	Cantonese	15270-TWN			
1100-1200	English	7445-TWN	2100-2200	Hokkien	3695-WYFR
1100-1200	Hakka	11635-TWN 15465-TWN	2200-2300	Cantonese	11565-WYFR
1100-1200	Japanese	7130-TWN 11605-TWN	2200-2300	English	15600-WYFR
1100-1200	Mandarin	6085-TWN 6150-TWN 7185-TWN 9680-TWN 9780-TWN 11665-TWN 11715-TWN 11780-TWN 11985-TWN	2200-2300	Mandarin	3965-Issoudun 5950-WYFR 6105-TWN 6150-TWN 11635-TWN 11710-TWN 11885-TWN 15440-WYFR
1100-1200	Russian	11985-TWN			
1200-1300	Cantonese	6105-TWN 11915-TWN	2200-2400	Thai	7445-TWN
1200-1300	English	7130-TWN	2300-2400	Mandarin	5950-WYFR 6105-TWN 6150-TWN 9660-TWN 11635-TWN 11710-TWN 11885-TWN 15245-TWN 15440-WYFR
1200-1300	Hokkien	11715-TWN			
1200-1300	Indonesian	11635-TWN			

2300-2400 Spanish 15130-WYFR 17805-WYFR

2300-2400 Vietnamese 9785-TWN (Gupta-INDIA)

CLANDESTINE—AFRICA 3230 SW *Radio Africa*, via Meyerton (p), *0300-0350, Mar 17 and 18, reactivated with accented English and frequent mentions of Zimbabwe. Opened with song "Africa—Africa" and ID in English: "This is SW Radio Africa serving you on mediumwave between 5 and 7am [0300-0500 UTC/AP] every day and on the internet at www.swradioafrica.com." DJ playing Afropop and gospel songs. Talk in English discussing Zimbabwe elections, brief musical interludes between political discussions. Finally caught a couple of IDs around 0325. A man began talking to political figure via a phone line around 0330. Abrupt s/off 0338* on Mar 18 in mid song, but back with news at 0400. Heard best in LSB due to utility station. (D'Angelo and Petersen). *1700-1900*, Mar 20, seems to be on this frequency also in the evening with fair signal. (Savolainen-FIN/DSWCI DX-Window/Petersen-DK) On Mar 20 the morning broadcast was replaced by this evening broadcast. From Mar 26 it will be re-timed to 1600-1800 until the burned MW transmitter is repaired...(Ed)

For what it is worth—I got the following information from the board of RFSC: "BEST RFSC NEWS!! RFSC TO BE UPGRADED AGAIN. *Radio Free Southern Cameroons* (RFSC) will from Sunday March 26 broadcast at maximum kilowattage on Maximum Frequency range Short wave (15,500 to 16,000 kHz) from 7pm Southern Cameroons Time. Tune in every Sunday at 7pm With your continued support broadcast will be increased to at least twice a WEEK. Send in CDs and songs from across the Southern Cameroons for mixing and diversity." Cameroon time, I presume. (Fransson-SWE, Mar 16/DSWCI DX-Window/Petersen-DK) During the B05 period which ends Mar 25, it was heard via Armavir on 11840 with 500 kW on Sundays 1800-1900 in English with TDP as broker. (Ed/DSWCI DX-Window/Petersen-DK)

17860 *West Africa Democracy Radio*, Senegal via the UK, 0955-1000, Mar 04, English followed by French. (Cassio-BRZ/DSWCI DX-Window/Petersen-DK) "Please note that the frequencies for the new shortwave season, starting Sunday 26 March 2006, have changed and will be as follows: 0700-0900 and 0900-1100 on 17875. I am pleased to say that for this season we have been able to use the same frequency for both time slots. If you have any questions about this, please do not hesitate to contact me. Best Regards, Abdou. K. L., Bilingual Researcher.

WADR, Sacre-Coeur 1, Villa No8408, Dakar, SENEGAL, E-mail: abdoulo@wadr.org, alternative e-mail:

abdoulo@hotmail.fr " (via Mendez/DSWCI DX-Window/Petersen-DK) Ex 12000 and 17860 during B05. (Petersen-DK)

CZECH REPUBLIC A-06 schedule of *Radio Prague*:

0000-0030	English	7345 9440
0000-0030	Spanish	11665-ASC
0030-0100	Spanish	7345 9440
0100-0130	English	6200 7345
0130-0200	Czech	6200 7345
0200-0230	Spanish	6200 7345
0230-0300	Czech	7345 9870
0300-0330	English	7345 9870
0330-0400	English	9445 11600
0400-0430	Russian	9445 11600
0600-0630	French	5930 7345
0630-0700	German	5930 7345
0700-0730	English	9880 11600
0730-0800	French	9880 11600
0800-0830	Spanish	11600 15710
0830-0900	Czech	11600 15710
0900-0930	English	9880 21745
0930-1000	Czech	9880 21745
1000-1030	German	6055 9880
1030-1100	English	9880 11665
1100-1130	Czech	11665 15710
1130-1200	Russian	11665 15710
1200-1230	German	60557345
1230-1300	Czech	6055 7345
1300-1330	English	13580 17540
1330-1400	Czech	13580 17540
1400-1430	Spanish	11625 13580
1430-1500	Russian	9410 13580
1500-1530	German	5930
1530-1600	Czech	5930 17485
1600-1630	English	5930 17485
1630-1700	French	5930 17485
1630-1700	German	11825-ARM
1700-1730	English	5930 17485
1730-1800	Czech	5930 17485
1800-1830	Russian	7390-NVS
1800-1830	Spanish	5930 13580
1830-1900	French	5930 13580
1900-1930	Spanish	5930 13580
1930-2000	Czech	5930 11600
2000-2030	English	5930 11600
2030-2100	Spanish	5930 11600
2100-2130	Czech	9410 11600
2130-2200	English	9410 11600
2200-2230	French	7345 9415
2230-2300	English	7345 9415
2300-2330	Spanish	7345 9415
2330-2400	Czech	7345 9440

ARM=Armavir, Russia

ASC=Ascension

NVS=Novosibirsk, Russia

(RP via ADDX Andreas Volk, adapted by wb, wwdxc BC-DX Mar 3/DX Listening Digest/Hauser-OK)

EGYPT Radio Cairo (Egyptian Radio & TV Union)

tentative A06 schedule

0000-0300	General prog	12050
0030-0430	Arabic	11950
0045-0200	Spanish	11755
0045-0200	Spanish	9415
0045-0200	Spanish	7270
0200-0330	English	7270
0700-1100	General prog	15115
1015-1215	Arabic	17775
1145-1230	Malay	15810
1215-1330	English	17835
1230-1400	Indonesian	15810
1300-1600	Arabic	15365
1330-1345	Bengali	17835
1330-1530	Persian	15490
1430-1600	Pashto	15670
1500-1600	Hindi	13660
1500-1600	Uzbeki	9765
1530-1730	Swahili	17810
1545-1600	Shona	11760
1600-1700	Afar	15155
1600-1800	Albanian	9990
1600-1800	English	11740
1600-1800	Turkish	6230
1600-1800	Urdu	13660
1700-1730	Somali	15155
1730-1900	Amharic	15155
1800-1900	Italian	9988
1800-1900	Russian	6145
1800-2100	Hausa	9465
1800-2330	VO the Arabs	11665
1900-1930	Wolof	15375
1900-2000	German	9990
1915-1930	Fulani	15425
1945-2000	Bambara	15375
2000-2115	French	9990
2000-2130	English	15375
2000-2200	Arabic	7210
2030-2230	French	9735
2100-2115	Yoruba	9465
2115-2245	English	9990
2215-2330	Portuguese	11785
2300-0030	English	11885
2330-0045	Arabic	11755
2330-0045	Arabic	9735

(Gupta-INDIA)

GERMANY Deutsche Welle A06

German Block 1

0600-0630	6075-S
0600-0800	6075-W 9480-N 9545-N 13780-N 15325-N 15545-W

German Block 2

0800-1000	6075-W 9480-N 9545-N 9855-B 13780-W 15325-W 15680-T
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German Block 3

1000-1200	5905-B 6075-W 7430-P 9545-N 9900-I 13780-W 15595-Sa 17635-T 17770-W 17845-A 21840-S
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German Block 4

1200-1400	6075-W 9545-N 9565-T 11900-Sa 13780-W 15620-W 17845-W
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German Block 5

1400-1500	15445-B
1400-1600	6075-W 9545-N 9655-T 13780-W 15275-K
1500-1600	15445-Sa

German Block 6

1600-1800	6075-W 6150-K 9545-N 13780-W 15275-W 15680-T
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German Block 7

1800-2000	6075-W 6150-K 9545-S 9545-N 9735-W 11795-N 15275-K
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German Block 8

2000-2200	6075-W 7330-T 9545-S 9545-N 9875-K
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German Block 9

2200-0000	6075-W 6075-S 7420-A 9545-W 9775-K 11865-S 11935-K 11965-I 15640-P
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German Block 10

0000-0200	6075-W 6075-S 6100-Sa 9430-S 9505-W 9545-K 9640-K 12040-K 12095-T
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German Block 11

0200-0400	6075-W 6075-S 6100-Sa 9825-S 9830-B 15640-T
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German Block 12

0400-0600	6075-W 6075-S 9620-K 12025-W 15575-T
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Albanian

0530-0600	5910-W 7190-W
1100-1130	9770-W 11915-W
1500-1530	9605-W 17820 16 -S

Amharic to Africa

1400-1450	11810-K 15410-T
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Arabic

0400-0430	7170-S 9530-K 9750-W
0430-0500	6130-S 7710-W
1800-2000	11690-W 13790-S 17860-K
2000-2100	9495-N 9620-S 13650-K 13790-S
2100-2200	9495-N 9620-S 13650-K

Bengali

0100-0200	9895-T 11820-Kr
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Bosnian		French to Africa	
0600-0615	5910-W 7190-W	1200-1300	11795-K 15275-W 15410-K 17770-W 21780-K
1200-1230	7170-W 9770-W	1600-1700	11670-K 17800-S 17860-W 21820-W 21840-K
Bulgarian		1700-1800	9735-K 15425-W 17820-W 17860-S 21840-K
0400-0430	5960-N	Hausa to Africa	
0500-0530	7170-N	0630-0700	9885-S 15470-W
0930-1000	11970-N	1300-1350	15410-K 17770-S 17800-K
1730-1800	5905-W	1800-1900	11605-W 11965-K 15620-W
Chinese		Kiswahili to Africa	
1030-1055	7370-V 9460-V 15190-Kr 15360-T	0300-0400	6180-K 9475-W 9495-S 15545-T
1300-1350	6225-Ko 15355-T 15425-Kr	1000-1050	9565-K 13790-K 15410-K 21780-W
2300-2350	9865-D 11660-No 11830-Ko	1500-1600	9735-K 11670-K 21820-W 21840-W
Croat		Hindi	
0800-0810	7190-W	1515-1600	6180-T 7225-T 17595-W
1230-1300	7170-W	Indonesian	
1400-1410	7170-W	1200-1257	11770-T 15105-T 17800-D
Dari		2200-2257	6000-T 7430-A 9855-T
0830-0900	15525-Kr 17705-T	Macedonian	
1330-1400	13575-Kr 15595-W	0630-0700	7190-W
English to Central and East Africa		0900-0930	9770-W
0400-0500	7225-K 9630-K 12045-W 15445-T	1300-1330	7170-W
English to Central and South Africa		Pashtu	
0500-0600	9630-S 9700-K 15410-Tv 17800-D	0800-0830	15525-Kr 17705-T
2000-2100	7130-K 11795-N 13780-W 15205-W	1400-1430	13575-Kr 15595-W
English to East Africa		Polish	
1900-2000	13780-W 15620-W	1630-1659	15595-S
English to East Asia		Portuguese to Africa	
2200-2300	7115-No 9720-Ko	0500-0545	9565-K 15545-W
English to Europe		Romanian	
0600-1000	6140-J	1000-1200	11970-N
1300-1600	6140-J	Romanisch	
English to North Africa		1030-1100	15275-N 17820-W Su
0800-1025	21820-T (DRM)	Russian	
English to North America		0000-0100	7285-W 11660-V 13810-T 15135-P
2200-2230	9800-Sa/DRM	0100-0200	7105-W 11790-T
English to South Asia		0200-0300	15595-T
0000-0100	9695-K 9825-W 9885-T	0300-0400	7105-W 15595-T
1600-1700	6170-T 9485-T 17595-W	0400-0530	5910-W 9545-W 11650-W
English to Southeast Asia		1400-1500	11915-W 13840-W 15620-W
2300-2400	5955-T 9890-K 15135-C 17860-I	1500-1600	9715-W 11915-W 15620-K
English to West Africa		1600-1700	9715-W 11915-W
0600-0700	7170-S 15275-W 17860-K	1600-1700	15620-K
2100-2200	9440-W 11865-K 15205-K	1700-1800	9715-W 11915-W 15620-S
Farsi		1800-1900	5955-N 9715-W 9885-T
1730-1930	7375-Kr 13800-W	1900-2000	5955-N 9715-W 9885-T

Serbian
 0615-0630 5910-W 7190-W
 0930-1000 7190-W 9770-W
 1330-1400 7170-W 9770-N
 2100-2115 6130-W

Turkish
 0530-0600 11865-W 15640-W
 1030-1100 15275-N 17820-W Mo-Sa
 1430-1500 13590-N 15595-W

Ukrainian
 0430-0500 5980-W 7345-W

Urdu
 1430-1515 15470-T 17595-W
 1700-1730 9645-T 15190-N

DRM for Europe in English and German

0000-0400 3995-W
 0400-0600 3995-W 9690-M
 0600-0700 3995-W 6130-W 7265-W
 0700-0800 3995-W 6130-W 7265-S 7265-W
 0800-0900 3995-W 6130-W 7265-S 7265-W
 13810-S
 0900-1000 3995-W 6130-W 7265-W 15440-S
 15545-S
 1000-1100 7265-W 15440-2 15545-2
 1100-1200 6140-J 7265-W 15440-S 15545-S
 1200-1300 6140-J 9655-W 15265-S 15440-S
 1300-1400 9655-W 15265-S 15440-S
 1400-1500 6130-W 15265-S 15440-S
 1500-1600 6130-W 13790-S 15265-S
 1600-1700 3995-W 6140-J 13790-S
 1700-1800 3995-W 6140-J 7265-W 13790-S
 1800-1900 3995-W 6140-J 15435-S
 1900-2000 3995-W 7515-M 15435-S
 2000-2100 3995-W 7515-M
 2100-2200 3995-W 5980-S
 2200-2400 3995-W

A=Alma Ata, Kazakhstan
 B=Bonaire, Neth. Antilles
 C=Chita, Russia
 D=Dhabayya, UAE
 I=Irkutsk
 J=Juelich, Germany
 K=Kigali, Rwanda
 Ko=Komsomolsk, Russia
 Kd=Krasnodar, Russia
 Kr=Kranji, Singapore
 M=Moscow
 N=Nauen, Germany
 No=Novosibirsk, Russia
 P=Petropavlovsk
 Sa=Sackville, Canada
 S=Sines, Portugal
 T=Trincomalee, Sri Lanka
 Tv=Talata-Vol., Madagascar
 V=Vladivostok, Russia
 W=Wertachtal, Germany
 (Gupta-INDIA)

The *University of Hannover* is testing DRM for broadcasting local radio on 11 meters. For avoiding QRM from far away stations during band openings they are trying a new frequency hopping system. They are transmitting 80 watts in DRM on changing frequencies, including 25705, 25825, 25915, 26035 and 26045 kHz. Because they do not have an own program, they relay local FM and DAB stations from the Hannover area instead. At present they do not have a fixed schedule, but as soon as they have their test receivers in place they will be on the air around the clock. (Kuhl-DE in Dxplore, Mar 20/ DSWCI DX-Window/Petersen-DK) This is also mentioned on their website <http://www.digital11.de>. (Ratzer in Dxplore, Mar 20)

GUAM Trans World Radio—Guam

0730-0900	English	17570 Sa/Su
0740-0900	English	17570 Mo-Fr
0800-0930	English	11840 Mo-Fr
0815-0845	Hakka	13730 Su-We
0815-0845	Swatow	13730 Th-Sa
0815-0930	English	11840 Sa/Su
0845-0930	Mandarin	13730
0900-0915	Balinese	15200 Fr-Tu
0900-0915	Torajanes	15200 We/Th
0915-1000	Madurese	15200
0930-1100	Mandarin	13730 Su-Fr
0930-1100	Mandarin	9865 9910 12130
1000-1030	Sundanese	15200
1030-1200	Indonesian	15200
1100-1145	Vietnamese	9635
1100-1200	Javanese	15275
1100-1200	Mandarin	7455 9910
1200-1230	Japanese	9465 Mo-Fr
1200-1230	Mandarin	7455 9910
1200-1245	Japanese	9465 Sa/Su
1200-1300	Burmese	9975
1200-1500	Mandarin	9370
1230-1300	Kokborok	9385 Mo-Fr
1230-1500	Mandarin	7455
1245-1300	Kokborok	9385 Sa
1245-1330	Khmer	11795
1300-1330	Sgaw Karen	9585
1300-1345	Cantonese	9975 Mo-Fr
1300-1400	Cantonese	9975 Sa/Su
1330-1345	Boro	9455 We-Su
1330-1345	Muslimi/Ben	9455 Mo/Tu
1330-1400	English	9585
1345-1400	Santhali	9455
1400-1415	Manipuri	12130 Sa
1400-1415	Muslimi/Ben	12130 Su-Fr
1400-1445	Vietnamese	9920
1400-1500	English	9975
1415-1430	Manipuri	12130 Su
1415-1430	Muslimi/Ben	12130 Mo-Fr
1500-1630	Korean	7455
1630-1700	Korean	7455 Sa
2100-2130	Japanese	11690 Mo-Fr
2100-2145	Japanese	11690 Sa/Su
2200-2230	Mandarin	11765
2200-2245	Cantonese	12130 Mo-Fr

2200-2300 Cantonese 12130 Sa/Su
 2215-2300 Mandarin 13690
 (Gupta—INDIA)

HUNGARY Summer A-06 schedule for *Radio Budapest*

0000-0100	Hungarian	9770
0100-0130	English	9590
0130-0230	Hungarian	6040
0230-0300	English	9795
0300-0330	Russian	3975 6025
0330-0400	Spanish	3975 6025
0400-1100	Hungarian	6025 Su
0400-1600	Hungarian	6025 Mo-Sa
1100-1200	Hungarian	21590
1100-1200	Hungarian	6025 Su
1200-1300	German	6025 7220 Su
1300-1400	Hungarian	6025 Su
1400-1500	German	6025 7160 Su
1500-1530	English	6025 9690 Su
1530-1600	Russian	6025 9690 Su
1600-1630	French	6025 9860
1630-1700	Italian	3975 6025
1700-1730	Russian	6025 9560 Mo-Sa
1700-1800	German	3975 6025 Su
1700-1800	Hungarian	15335
1730-1800	German	3975 6025 Mo-Sa
1800-1900	Hungarian	3975 6025 11840
1900-1930	English	3975 6025
1930-2000	German	3975 6025 Mo-Sa
1930-2000	Russian	3975 6025 Su
2000-2030	French	3975 6025
2000-2100	Hungarian	11695
2030-2100	Italian	3975 6025
2100-2130	English	6025 9525
2100-2200	Hungarian	3975
2130-2200	Spanish	6025 7250
2200-2300	Hungarian	6025 9850 12030
2300-2400	Hungarian	9850 12030 Mo

(DX Mix/Ivanov-BUL)

INDONESIA 11860 *RRI Jakarta*, Cimanggis, 1330 fade in—1816v fade out, Mar 06, 07 and 11, "Pro Tiga" program in Bahasa Indonesia, on the full hours "Song of Coconut Islands," ID and short news. Phone-in program with listeners, popular and Gamal music in between. Sign off time varies from day to day. (Schulze-DE/DSWCI DX-Window/Petersen-DK) Not reported on 11860 since July 2005! (Petersen-DK)

MALAYSIA RTM A06

0000-2400	English	7295-KAJ
0000-2400	Malay	5965-KAJ
0000-2400	Tamil	4845-KAJ
0200-1500	Local	6050-SIB
0200-1700	Lcl/Malay	6050-KAJ
0300-0830	English	6175-KAJ 9750-KAJ
0300-1230	Eng/Chinese	15295-KAJ

0400-0600	Local	7130-STA
0400-1500	Local	6060-MIR
0800-1500	Local	4895-STA 7270-STA
1000-1900	Indomalay	6175-KAJ 9750-KAJ
1030-1230	Chinese	11885-KAJ
1300-1530	Thai/Bur	6100-KAJ
1530-1900	Arab/Malay	15295-KAJ
2100-1800	Local	4970-TUA
2200-0100	Local	4895-STA
2200-1500	Local	5005-SIB
2200-1500	Local	5980-TUA
2200-1500	Local	3385-MIR
2200-2400	Local	5030-STA

(Gupta-INDIA)

MONGOLIA *Mongolian Radio & TV A06*

0830-0900	Japanese	12085
0900-0930	Mongolian	12085
0930-1000	Chinese	12085
1000-1030	English	12085
1030-1100	Mongolian	12085
1130-1200	Chinese	12085
1200-1230	Japanese	12085
1330-1400	Russian	12015
1500-1530	English	12015
2000-2030	English	12015
2200-1600	Mongolian	4830 4895 7260

(Gupta—INDIA)

MOZAMBIQUE 7135 *Radio Terra Verde*, Maputo, partial-data e-mail verie in basic English in 32 weeks, V/S Florentino Escova (Director). QTH: flor-dosares @ hotmail.com RTV was last heard on 7135 during the 2005 Easter, and obviously their broadcasts did not last more than a few days. In fact from the program content at the time I gathered that they have been on SW for only a day or two. In his e-mail to me Mr. Florentino Escova, the station's director, mentioned that they would like to carry on with SW broadcasts, but their relevant transmitter is currently broken and they do not know where to have it repaired. He also enquired about the possibility of having it fixed in South Africa. Not knowing the make or any other details of the transmitter, in fact not knowing anything about transmitters in general, I referred him to the Economic Office of the S. African High Commissioner in Maputo. He said he would contact them and let me know the results. He reiterated that they would like to return to SW as they had good response to their last year's SW broadcast from every province in Mozambique and from virtually every southern African country (Vashek Korinek, RSA in DXplorer via DSWCI DX Window March 22/DX Listening Digest/Hauser-OK)

NEW ZEALAND A-06 schedule of *Radio New Zealand International*

0500-0705	9615
0706-1100	9885

1100-1305 9870
 1306-1650 7145
 1650-1850 7145
 1850-1950 9630
 1950-2050 11725
 2050-0500 15720
 (DX Mix News/Ivanov-BUL)

NORTHERN MARIANA ISLANDS KFBS Saipan A06

0800-1400	Mandarin	11580
0900-1100	Russian	11650
1000-1030	Sasak	15580
1030-1130	Indonesian	15580
1100-1130	Mongolian	11650
1130-1200	Mongolian	11650 Th
1130-1200	Russian	11650 Fr-We
1200-1230	Sundanese	11830 Su-We
1200-1330	Russian	11650
1230-1300	Gorontalo	11830
1300-1400	Vietnamese	9920
1330-1345	Kazakh	11650 Fr/Sa
1330-1345	Mari	11650 We
1330-1345	Tatar	11650 Mo
1330-1345	Udmurt	11650 Su/Tu
1330-1345	Uzbek	11650 Th
1345-1400	Chuvash	11650 We
1345-1400	Kirghiz	11650 Fr/Sa
1345-1400	Ossetic	11650 Th
1345-1400	Tatar	11650 Mo/Tu
1345-1400	Udmurt	11650 Su
1400-1530	Russian	????
1530-1545	Russian	9465 Su/Mo/We/Th/Fr
1530-1545	Ukrainian	9465 Tu/Sa
1545-1600	Russian	9465 Su/We/Th
1545-1600	Ukrainian	9465 Mo/Tu/Fr/Sa
2230-2300	Vietnamese	12090

(Gupta-INDIA)

PERU 6060.8v *Radio Sinal* (p), 1041-1056 nonstop rel. preaching by M w/ments of Christiana, Christo, Dios, amigos, palabra de Dios, Santa Maria, and Santa Cruz. 1056 M and W briefly, then instru. mx to 1058. Canned M anncr w/brief pres. pgm outro. Another canned anmnt by different M. Fanfare mx and canned M. Orch. mx. Next pgm at 1101 w/tlk by W. Probably an ID after the rel. pgm, but it had faded too much by then. Drifting up from 6060.8 to 6060.85 by 1056. (Valko-PA, 11 March)

PHILIPPINES Radio Veritas Asia A06

0000-0030	Karen	11935
0000-0030	Sinhala	11965
0000-0030	Sinhala	9730
0030-0100	Bengali	11965
0030-0100	Hindi	11710
0030-0100	Tamil	15520
0100-0130	Telugu	15530

0100-0130	Urdu	17860
0100-0130	Urdu	15350
0130-0230	Russian	17830
0130-0230	Vietnamese	15530
0230-0300	Zomi-Chin	11895
1000-1030	Hmong	11780
1000-1200	Mandarin	9730
1030-1130	Vietnamese	11850
1130-1200	Burmese	15450
1200-1230	Indonesian	11795
1200-1230	Karen	15225
1230-1300	Kachin	15225
1300-1330	Vietnamese	11850
1330-1400	Hindi	11870
1330-1400	Sinhala	9520
1400-1430	Bengali	11870
1400-1430	Tamil	9520
1430-1500	Telugu	9520
1430-1500	Urdu	11870
1500-1530	Filipino	15530
1500-1600	Russian	9570
1530-1600	Filipino	15530 We/Fr/Su
2100-2300	Mandarin	6105
2300-2330	Filipino	9720
2300-2330	Indonesian	9505
2300-2330	Indonesian	11820
2330-2400	Burmese	9805
2330-2400	Kachin	9545
2330-2400	Vietnamese	9670

(Ashik Tokon—BANGLADESH/Cumbre DX)

PORTUGAL A06 schedule of RDPi - Radio Portugal

0000-0200	9715 13700 15295	Mo-Fr
0500-0645	7240	Mo-Fr
0645-0800	7240 11850	Mo-Fr
0700-0830	12000 12020 15160	Sa/Su
0800-1000	12020	Mo-Fr
0830-1000	11995 12000 12020 15160	Sa/Su
1000-1200	12020 21655 21830	Sa/Su
1000-1200	12020 15575 21830	Mo-Fr
1200-1300#	15560	Mo-Fr
1200-1355	12020 15560 21655 21830	Sa/Su
1300-1500	15770	Mo-Fr
1355-1400	15560 21655 21830	Sa/Su
1400-1700	15555 15560 21655 21830	Sa/Su
1600-1900	15555 17680 21655	Mo-Fr
1700-2000	15555 15560 17680 21655	Sa/Su
1900-2000#	9820 11945	Sa/Su
1900-2000#	9820 11945 21655	Mo-Fr
2000-2300#	11945 15295 15560	Sa/Su
2000-2300#	9820 11945 15295	Mo-Fr
2300-2400	9715 13700 15295	Mo-Fr

reserved for extra broadcasts

(Goncalves, Portugal, March 16/DX Listening Digest/Hauser-OK)

RUSSIA GTRK-Magadan has resumed its local program on SW. For a long time this station carried

only Radio Rossii on shortwaves. Noted on 7320kHz at 2010-2100 (General Program), 2300-2310, 0200-0210, 0700-0710 (local news and weather) on weekday, but not checked 5935kHz yet. (Takasaki-JAPAN/Hard Core DX)

SLOVAKIA Radio Slovakia International A06

0100-0130	English	5930 9440
0130-0200	Slovak	5930 9440
0200-0230	French	5930 9440
0230-0300	Spanish	9440 11990
0700-0730	English	9440 15460
0730-0800	Slovak	9440 15460
0800-0830	German	6055 7345
1300-1330	Russian	7345 9440
1330-1400	German	6055 7345
1430-1500	Spanish	9440 11600
1500-1530	Russian	7345 11715
1530-1600	Slovak	5920 6055
1600-1630	German	5920 6055
1630-1700	English	5920 6055
1700-1730	French	5920 7345
1730-1800	Russian	5920 9485
1800-1830	German	5920 6055
1830-1900	English	5920 6055
1900-1930	Slovak	5920 6055
1930-2000	French	5920 6055
2000-2030	Spanish	6055 11650

(Jana Hrbekova, RSI/Gupta-INDIA)

TURKEY Voice of Turkey A06

0300-0400	English	6140 7270
0400-0700	Turkish	9460 11750 15225
0700-0800	Georgian	9760
0700-0800	Turkish	11750 11955
0700-0830	Azerbaijani	11730 15140
0700-1400	Turkish	15350 (to July 2) 9460 (from July 2)
0800-0900	Macedonian	11690
0800-0900	Turkish	11750 11955 21715
0830-0930	Persian	11795 15220
0900-1000	Turkish	11955 21715
0900-1100	Arabic	11690 15520
0930-1030	Rumanian	9560
1000-1100	Hungarian	13770
1000-1100	Turkish	11955 21715
1000-1500	Turkish	17705 Fr
1030-1130	Greek	7295 9840
1100-1200	Chinese	17715
1130-1230	Albanian	11875
1130-1230	German	13760
1200-1300	Urdu	13710
1200-1400	Turkish	11955
1230-1330	English	15225 15535
1230-1330	Uzbek	11795
1230-1400	Persian	11940
1300-1400	Russian	13720
1330-1430	Bulgarian	7210
1400-1500	Azerbaijani	9645

1400-1600	Arabic	11735 17790
1400-1600	Turkish	9460 11955
1430-1530	Greek	7180
1430-1530	Tatar	9855
1500-1600	Kazakh	11860
1530-1630	Turkmen	11905
1600-1630	Croatian-Serbian	9605

1600-1700	Kyrgyz	9575
1600-2200	Turkish	5960 9460
1630-1700	Italian	9610
1630-1730	Spanish	13720
1700-1800	Russian	9675
1700-2200	Turkish	7215
1730-1830	German	13640
1800-1900	Bosnian	5980
1830-1930	English	9785
1930-2030	French	9535 11850
2030-2130	English	7170
2200-0100	Turkish	7300
2200-2300	English	9830

(Sedef Somalton, TRT-VOT/Gupta-INDIA)

UKRAINE Radio Ukraine International

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

(Yegorov-UKR via Gupta-INDIA)

UNITED ARAB EMIRATES EMI A06 (Emirates Media) All programs in Arabic

0000-0030	7175 7160 7190 9630 9855 17730 17845
0030-0100	7175 7190 9855 17730 17845
0200-0400	21630 21735
0400-0500	13605 21630 21735
0500-0600	9695 13605 13700 21630 21735
0600-0630	9695 9730 13605 13700 21630 21735
0630-0700	9730 13605 13700 15405 21630 21735
0700-0800	9730 13700 15310 15405 21630 21735
0800-0830	7220 9730 11740 13700 15310 15405 21735
0830-0900	7220 9730 11740 13700 15280 15310 15405 21735
0900-1000	7220 9730 11740 15280 15310 15405 17680 21735

1000-1030	9730 11740 15220 15405 17680 21735	0600-0700	Cantonese	5985
1030-1100	9730 15405 17680	0600-0700	English	6000 7780 9680 11530 11580
1100-1200	7115 9730 15405 17680 17815 21735	0600-0700	French	9355 9930
1200-1400	7115 17680 17760 17785 17815 21735	0600-0700	Italian	9985
1400-1500	7115 17680 17760 17815 21735	0600-0700	Spanish	6855 9505 9715
1500-1600	7115 9750 17760 21735	0700-0745	English	5985 6855 7780 9505 9715 9930
1600-1700	17760			
1800-1900	13675 17845			
1900-2000	9630 13675 17845	0700-0745	Italian	11580
2000-2100	6160 9630 12025 13675 17680 17845	0700-0745	Portuguese	9985
2100-2200	6160 9515 9630 9695 13675 17680 17845	0700-0745	Spanish	6000 9355 9680
		0700-0800	Arabic	11530
2200-2300	6160 6185 9515 9630 9695 11995 13650 13675 17680 17760 17845	0745-0800	English	5985 6855 9505 9715 9930
2300-2400	7145 7160 7275 9515 9630 9695 9840 13650 15215 17680 17760 17845	0745-0800	Spanish	6000
		0800-0845	English	5950 5985 6855 9930
		0800-0845	French	11530
		0800-0845	Spanish	6000 9505 9550 9715 11855 11970
Note: Transmissions may be delayed by a month due to maintenance.		0800-0900	Portuguese	9605 9625 11770
(Gupta-INDIA)		0845-0900	English	5985 6855
		0845-0900	Spanish	6000 9505 9550 9715 11855 11970
UNITED STATES WYFR schedule for A06		0900-0945	Spanish	5950 6000 9505 9550 9715 11855 11970
0000-0045	English 6065 9505 11835 17805			
0000-0100	French 15255	0900-1000	English	5985 6855 9755
0000-0100	Hindi 15195-TWN	0900-1000	Portuguese	6175 9605 9625 11770
0000-0100	Portuguese 15130 17725 17750	0945-1000	Spanish	5950 9550 9715 11955 11970
0000-0100	Spanish 5985 11855 15215			
0045-0100	English 6065 9505 11835	1000-1045	Portuguese	6175 9605 11770
0100-0145	Portuguese 7520 15130 17725	1000-1100	English	5950 5985 6855 9755
0100-0200	English 6065 9505 15195-TWN	1000-1100	French	9625 11970
0100-0200	Spanish 5985 11835 11855 15255 17750	1000-1100	Korean	7130-TWN
		1000-1100	Spanish	6085 9550 9715 11955
0145-0200	Portuguese 15130	1100-1145	English	5950 5985 7780 9550 9625 9755
0200-0245	English 5985 6065 9505 11835 11855	1100-1145	Spanish	6085 6855 9355 9605 9715 11855 11970
0200-0245	Portuguese 15130 17750	1102-1602	Chinese	7250-TWN 9280-TWN
0200-0300	Spanish 11740 15255	1145-1200	English	5950 5985 7780 9625
0245-0300	English 5985 6065 9505 11855	1145-1200	Spanish	6085 9605 11970
0245-0345	Portuguese 15130	1200-1245	English	5950 5985 17555 17750
0300-0345	Spanish 5985 6855 9680 9715 11580 11955	1200-1245	Portuguese	9625
		1200-1300	Burmese	11560-TWN
0300-0400	English 6065 9505 11740 15255	1200-1300	French	13695
0304-0400	Russian 7780	1200-1300	Indonesian	11520-TWN
0345-0400	Spanish 5985 6855 9680 9715 11955	1200-1300	Spanish	6085 7780 11970 13800 15130 15770
0400-0445	English 6065 6855 7780 9505 9715	1245-1300	English	17555 17750
0400-0445	Spanish 5985 11855 15255	1300-1345	Spanish	6095 7780 9605 13800 15130 15770
0400-0500	Arabic 9355			
0400-0500	Portuguese 11530	1300-1400	English	11865 11830 11910 17750
0404-0500	German 9985			
0445-0500	English 7780 9715	1300-1400	French	11970
0500-0600	Arabic 9930	1300-1400	Mandarin	13695
0500-0600	English 6855 9355	1300-1400	Portuguese	17555
0500-0600	French 11530 11580	1300-1500	English	11520-TWN 11560-TWN
0500-0600	German 7780	1345-1400	Spanish	6085 13800 15130 15770
0500-0600	Mandarin 5985			
0500-0600	Spanish 6000 9715 9985			
0504-0600	Russian 7520			

1400-1500	English	11830 11910 13695 17750	2045-2100	English	13800 17725 17795 17845 18980
1400-1500	Indonesian	11520-TWN	2100-2145	English	11565 13800 17725 17795 17845 18980
1400-1500	Portuguese	15770	2100-2145	German	15695
1400-1500	Spanish	6085 11670 11865 11970 13800 15130 17555 18980	2100-2200	Portuguese	15770
1500-1545	English	11830 11910 15770 17750	2100-2200	Spanish	5985 11855 15155 15600
1500-1545	Portuguese	18980	2100-2400	Chinese	7235-TWN 9280-TWN
1500-1545	Spanish	6085 11670 11970 13695 13800 15130 17555	2145-2200	English	11565 17725 17845
1500-1600	English	6280-TWN	2200-2245	Arabic	17845 18930
1500-1600	Hindi	11560-TWN	2200-2245	English	11740 15770
1500-1600	Mandarin	11865	2200-2245	Portuguese	15130 15695 17725
1500-1700	Russian	9955	2200-2300	Spanish	5985 11855 15155
1545-1600	English	11830 11910 17750	2245-2300	English	11740
1545-1600	Spanish	6085 13695 15130	2245-2300	Portuguese	15130 17725
1600-1645	Arabic	15770	2300-2345	English	11740 15255 17750
1600-1645	English	6085 11830 11865 13695 17750 18980 21455 21525	2300-2345	Spanish	5985 11855 15155 15215 17845
1600-1645	French	11910	2300-2400	French	6065
1600-1700	Hindi	6280-TWN	2300-2400	Portuguese	17725
1600-1700	Italian	21670	2345-2400	English	15255 17750
1600-1700	Spanish	15130	2345-2400	Spanish	5985 11855 15215 17845
1600-1800	Russian	18930	(Evelyn Marcy, WYFR, March 3/DX Listening Digest/ Hauser-OK)		
1645-1700	English	6085 13695 18980 21455 21525	<i>A-06 schedule of Radio Free Asia</i>		
1700-1800	English	13695 17795 18980 21455	0000-0100	Laotian	12015 15545
1700-1800	French	17535	0030-0130	Burmese	11540 13820 13865 17835 ³
1700-1800	German	17750	0100-0200	Uighur	9350 11520 11895 11945 17640 17695
1700-1800	Portuguese	17725 21525	0100-0300	Tibetan	9365 11695 11975 15225 15695 17730
1700-1800	Spanish	6085 13800 15130 21670	0300-0600	Mandarin	11705 13670 13760 15130 15685 17525 17615 17880 21690
1800-1845	English	13695 13800 17535 17795 18980	0600-0700	Mandarin	11705 13670 13760 15165 15685 17525 17615 17880
1800-1845	Spanish	6085 15130 21670	0600-0700	Tibetan	17510 17720 17780 21500 21690
1800-1900	French	18930 21525	1100-1200	Laotian	9355 9545 15560
1800-1900	German	21455	1100-1200	Tibetan	7470 13625 13830 15510 17855
1800-1900	Italian	17750	1200-1400	Tibetan	7470 11590 13625 13830 15510 17855
1800-2000	Portuguese	17725	1230-1330	Burmese	9315 9455 11540 13675
1845-1900	English	13695 13800 17795 18980	1230-1330	Khmer	5890 13645 15525
1845-1900	Spanish	6085 15130	1400-1500	Cantonese	9780 11715 11850
1900-1945	English	6085 13695 13800 17795 17845 18930 18980	1400-1500	Vietnamese	5855 9455 9715 11535 11605 11680 13680 13775
1900-1945	French	21455 21525	1500-1600	Mandarin	7540 9455 9905 11765 12025 13675 13725 15495
1900-1945	Spanish	15130	1500-1600	Tibetan	7470 11550 11705 11795 13825
1900-2000	Russian	15600	1500-1700	Korean	7210 9385 13625
1945-2000	English	13695 13800 17795 17845 18930 18980 21525	1600-1700	Mandarin	7540 9455 9905 11795 12025 13675 13715 15530
1945-2000	French	21525	1600-1700	Uighur	7465 9350 9370 9555 11750 11780
2000-2045	Arabic	15695 21525			
2000-2045	English	13800 17725 17750 17795 17845 18980			
2000-2100	German	15600			
2000-2100	Spanish	5985 11855 15155			
2045-2100	Arabic	15695			

1700-1800	Mandarin	7280 7540 9355 9455 9530 9540 9905 11795 13625 13715	Transmitter #3 1200-1400 9985 02 Apr 06-31 May 06 1400-2200 12160 02 Apr 06-31 May 06 2200-1200 5070 02 Apr 06-31 May 06
1800-1900	Mandarin	7280 7355 7540 9355 9455 9540 9865 11700 13625 15510	Transmitter #4 0000-0300 7465 02 Apr 06-31 May 06 0300-1200 5765 02 Apr 06-31 May 06 1200-1400 7465 02 Apr 06-31 May 06 1400-1800 9985 02 Apr 06-31 May 06 1800-2200 9975 02 Apr 06-31 May 06 2200-2400 9985 02 Apr 06-31 May 06
1900-2000	Mandarin	7260 7355 7540 9355 9455 9760 9865 9905 11700 11785 13625 15510	
2000-2100	Mandarin	7260 7355 7540 9355 9455 9850 9905 11700 11740 11785 13625	
2100-2200	Mandarin	7105 7355 7540 9850 9910 11740 11935 13625	(WWCR/DX Listening Digest/Hauser-OK)

2100-2300	Korean	7460 9385 9770 12075
2200-2300	Cantonese	9355 9955 11785 13865
2230-2330	Khmer	9490 9930 13740
2300-2400	Mandarin	7540 9910 11760 13670 13775 15430 15585
2300-2400	Tibetan	7470 7500 9395 9805 9875
2330-0030	Vietnamese	9975 11580 11605 11670 12110 13740 15535 15560

(various frequency sources, wwdxc BC-DX Mar 8/DX
Listening Digest/Hauser-OK)

KNLS A06 Frequency Schedule

0800-0900	Mandarin	11870
0800-0900	English	11765
0900-1000	Russian	11765
0900-1000	Mandarin	11870
1000-1100	English	9795
1000-1100	Mandarin	11765
1100-1200	Mandarin	9615
1100-1200	Russian	9655
1200-1300	English	9780
1200-1300	English	9615
1300-1400	Mandarin	9615
1300-1400	Mandarin	9795
1400-1500	English	9795
1400-1500	Mandarin	9615
1500-1600	Mandarin	9615
1500-1600	Russian	9795
1600-1700	Mandarin	9615
1600-1700	Russian	9795
1700-1800	Mandarin	9615
1700-1800	Russian	7355

(KNLS Chinese homepage via Eric Zhou, China/DX
Listening Digest/Hauser-OK)

WWCR Summer (A06) Tentative Schedule

Transmitter #1			
0000-0900	3215	02 Apr 06-31 May 06	
0900-1000	9985	02 Apr 06-31 May 06	
1000-2200	15825	02 Apr 06-31 May 06	
2200-0000	7465	02 Apr 06-31 May 06	
Transmitter #2			
0100-1200	5935	02 Apr 06-31 May 06	
1200-0100	13845	02 Apr 06-31 May 06	

ADVENTIST WORLD RADIO AWR Broadcast Schedule A06

0000-0030	Burmese	15510-SDA
0000-0200	Mandarin	12025-SDA 15300-SDA
0030-0100	Karen	15510-SDA
0100-0200	Mandarin	15520-SDA
0100-0200	Vietnamese	15445-TAI Sa
0200-0230	Urdu	9895-MOS
0230-0300	Punjabi	9895-MOS Fr/Sa
0230-0300	Pushto	9895-MOS Mo-Fr
0230-0330	Malagasy	3215-MDC
0300-0330	Oromo	11710-DHA
0300-0330	Russian	17645-SDA
0300-0330	Tigrinya	11975-DHA
0330-0400	Amharic	11975-DHA
0330-0400	Farsi	9895-MOS
0400-0430	Arabic	9770-MOS
0430-0500	Arabic	9770-MOS
0500-0600	Bulgarian	7295-WER
0700-0800	Arabic	15265-JUL
0800-0830	Dial	15265-JUL We
0800-0830	Kabyle	15265-JUL Su-Tu
0800-0830	Tachelhit	15265-JUL Th-Sa
0800-0900	French	15130-JUL
0900-1000	Italian	11775-JUL Su
1000-1100	Mandarin	15510-SDA 15615-SDA
1030-1100	Filipino	11930-SDA
1030-1100	Mongolian	11780-SDA
1100-1130	Indonesian	15435-SDA
1100-1200	Mandarin	11770-SDA 11975-SDA 12105-SDA
1130-1200	English	15435-SDA
1200-1230	English	15365-DHA
1200-1300	Korean	9685-SDA
1200-1300	Mandarin	9670-SDA 9720-SDA 12105-SDA
1230-1300	Bengali	15365-DHA
1300-1330	Bengali	15275-SDA
1300-1330	Japanese	11980-SDA
1300-1330	Japanese	9805-SDA
1300-1330	Mandarin	15320-DHA Mo-Fr
1300-1330	Uighur	15320-DHA Sa/Su
1300-1400	Vietnamese	17670-MDC
1300-1500	Mandarin	12105-SDA
1330-1400	Assamese	15275-SDA Su/We

1330-1400	English	15275-SDA Mo/Tu/Th/ Fr/Sa	2000-2030	French	9390-MEY 9735-MEY 15265-JUL
1330-1400	Khmer	11880-SDA Su/We	2000-2100	Korean	6005-SDA 6115-SDA
1330-1400	Russian	11795-SDA	2030-2100	French	11955-MOS 15265-JUL
1330-1500	Mandarin	15320-DHA	2030-2100	Yoruba	7175-MEY
1400-1430	Karen	9385-SDA	2100-2130	English	11955-MOS
1400-1430	Sinhalese	12045-SDA	2100-2130	Japanese	11850-SDA 11980-SDA
1400-1430	Urdu	15400-MOS	2100-2200	Mandarin	11750-SDA 11895-SDA
1400-1500	Mandarin	9695-SDA	2130-2200	English	11850-SDA
1400-1500	Vietnamese	11795-TAI	2200-2230	Indonesian	11850-SDA 15320-SDA
1430-1500	Afar	15225-MOS	2200-2300	Mandarin	12120-SDA 15215-SDA
1430-1500	Burmese	11885-SDA	2230-2300	English	15320-SDA
1430-1500	Chin	9725-SDA	2300-2400	Mandarin	12120-SDA 15370-SDA
1500-1530	German	6055-MOS	2300-2400	Vietnamese	15320-SDA
1500-1530	Mizo	11895-SDA			
1500-1530	Nepali	15225-DHA		DHA = Dhabayya	
1500-1530	Panjabi	11870-SDA 15265-DHA		JUL = Juelich	
1500-1530	Tamil	9600-SDA		MDC = Madagascar	
1500-1530	Telugu	11640-SDA		MEY = Meyerton	
1500-1530	Turkish	15595-MOS		MOS = Moosbrunn	
1530-1600	English	15225-DHA		SDA = Agat	
1530-1600	Hindi	11870-SDA 15265-DHA		TAI = Taipei	
1530-1600	Kannada	11640-SDA		WER = Wertachtal	
1530-1600	Malayalam	9600-SDA		(AWR Frequency Management Office/Gupta-INDIA)	
1530-1600	Marathi	11895-SDA			
1530-1628	Malagasy	3215-MDC			
1600-1630	English	11640-SDA 11680-SDA		FEBA RADIO for A06	
1600-1630	Urdu	11975-SDA 15225-MOS	0030-0045	Bangla	7375-TAC Mo-Th
1630-1700	English	11975-SDA	0030-0045	Bhojpuri	7375-TAC Fr/Sa
1630-1700	Farsi	15360-MOS	0030-0100	Hindi	7375-TAC Su
1630-1700	Somali	15460-DHA	0030-0100	Tamil	7365-ERV Su/Mo/Fr
1700-1730	Arabic	15265-MOS	0030-0115	Tamil	7365-ERV Tu/We/Th/Sa
1700-1730	Filipino	9385-SDA	0045-0100	Chattisgarhi	7375-TAC Mo
1700-1730	Hindi	11560-SDA	0045-0100	Hindi	7375-TAC We/Fr/Sa
1700-1730	Kiswahili	9600-MEY	0045-0100	Magahi	7375-TAC Th
1730-1800	Arabic	15265-MOS	0045-0100	Oriya	7375-TAC Tu
1730-1800	English	9385-SDA	0100-0115	Badaga	7365-ERV Fr
1730-1800	Masai	9600-MEY	0100-0115	Kannada	7365-ERV Mo
1730-1800	Oromo	11710-DHA	0100-0130	Hindi	9820-MOS
1730-1800	Tamil	11560-SDA	0100-0130	Kannada	7365-ERV Su
1800-1830	Bari	15315-MOS Mo	0115-0130	English	7365-ERV Tu-Fr
1800-1830	Col	15315-MOS We/Fr	0115-0130	Malayalam	7365-ERV Mo/Sa
1800-1830	Dinka	15315-MOS Th	0130-0145	Marathi	9820-MOS
1800-1830	English	3215-MEY 3345-MEY 9600-MEY	0130-0200	Telugu	9855-DHA
1800-1830	JubaArabic	15315-MOS Tu/Sa	0200-0215	Pashto	9855-DHA
1800-1830	Moru	15315-MOS Su	0200-0215	Punjabi	12035-NVS We
1830-1900	Arabic	11955-MOS	0200-0230	Urdu	12035-NVS Mo/Fr/Sa
1900-1930	Arabic	15265-JUL	0200-0245	Urdu	12035-NVS Th
1900-1930	Fulfulde	11860-MEY	0215-0230	Urdu	12035-NVS Su/Tu
1900-1930	Hausa	11955-MOS	0215-0230	Pothwari	12035-NVS We/Fr
1900-2000	Arabic	15130-JUL	0215-0230	Punjabi	12035-NVS Mo/Sa
1930-2000	Dial	15265-JUL We	0215-0230	Sindhi	6145-DHA Fr-Su
1930-2000	Ibo	11955-MOS	0215-0245	Siraiki	6145-DHA Mo-Th
1930-2000	Kabyle	15265-JUL Su-Tu	0230-0245	Dari	9855-DHA
1930-2000	Tachelhit	15265-JUL Th-Sa	0230-0245	Baluchi	6145-DHA Fr-Mo
2000-2030	Dyula	11955-MOS	0230-0245	Brahui	6145-DHA Tu-Th
2000-2030	English	7180-MEY	0230-0245	Pothwari	12035-NVS Sa
2000-2030	Farsi	9515-WER	0230-0245	Punjabi	12035-NVS th/Fr
			0245-0300	Urdu	12035-NVS Mo/We
				Hazaragi	9855-DHA

0245-0300	Hindko	12035-NVS
0245-0300	Pashto	6145-DHA
0400-0500	Arabic	15530-SAM
0445-0500	Baluchi	6125-DHA Fr
0445-0500	Baluchi	6125-DHA Fr
0500-0530	Arabic	15530-SAM Fr-Su
0500-0530	Sinhala	6125-DHA Fr
0530-0630	Malayalam	6125-DHA Fr
0630-0700	Tamil	6125-DHA Fr
1200-1230	Tibetan	15355-DHA
1300-1400	NI var vern.	12000-DHA
1400-1415	En—	9500-NVS
	Spotlight	
1400-1415	Nepali	9530-TAC Sa
1400-1415	Urdu	9530-TAC Su-We
1400-1430	Malayam	11955-DHA
1400-1445	Urdu	9530-TAC Th
1400-1500	Hindi	9530-TAC Fr
1415-1500	Hindi	9530-TAC Sa-We
1415-1500	Urdu	9500-NVS Su/Mo/Th/Fr
1415-1515	Urdu	9500-NVS Tu/We/Sa
1430-1445	Konkani	11955-DHA Sa
1430-1445	Telugu	11955-DHA Su-Fr
1430-1500	Nuer	12125-MEY
1445-1500	Hindi	9530-TAC Th
1445-1500	Kannada	11955-DHA Mo/Tu/Th/ Fr/Sa
1445-1500	Lambadi	11955-DHA Su
1445-1500	Tulu	11955-DHA We
1500-1515	Balti	9500-NVS Su/Mo/Th/Fr
1500-1515	En-Spotlight	7320-IRK
1515-1545	English	7320-IRK
1530-1545	Dinka	12125-MEY
1530-1600	Pashto	9495-ARM
1530-1600	Persian	9850-ARM
1545-1600	Makonde	12125-MEY
1600-1615	Baluchi	9850-ARM Sa/Su
1600-1615	En-Spotlight	9850-ARM Fr
1600-1615	Persian	9850-ARM Th
1600-1615	Turkmen	9850-ARM Mo-We
1600-1630	Afar	11750-ARM
1600-1630	Amharic	12125-MEY Th-Su
1600-1630	Dari	9495-ARM
1600-1630	Guragena	12125-MEY Mo-We
1630-1645	Hazaragi	9495-ARM
1630-1700	Amharic	12125-MEY
1630-1700	Amharic	9865-KIG Th-Sa
1630-1700	Tigrinya	9865-KIG Su-We
1645-1700	Uzbek	9495-ARM
1700-1730	Oromo	6180-DHA
1700-1730	Somali	9865-KIG
1730-1757	Tigrinya	9865-KIG
1830-1900	French	15130-ASC
1900-2030	Arabic	9550-KIG
2145-2215	Hassinya/ Pul.	11985-ASC Th/Fr

ARM Armavir Russia
ASC Ascension Island
DHA Dhabayya
ERV Yerevan Armenia
IRK Irkutsk Russia

KIG Kigali Rwanda
MEY Meyerton South Africa
MOS Moosbrunn Austria
NVS Novosibirsk Russia
SAM Samara Russia
TAC Tashkent Uzbekistan

(Gupta-INDIA/Cumbre DX)

TRANS WORLD RADIO—EUROPE

0515-0530	Polish	6235-S 7380-S
0530-0545	Slovak	6235-S 7210-J Mo-Fr
0645-0820	English	9800-M Su 11865-S Su
0700-0820	English	9800-M Mo-Fr 11865-S Mo-Fr
0715-0750	English	9800-M Sa 11865-S Sa
0830-0845	German	6230-M 7160-M Mo-Sa
0830-0845	Hungarian	6105-J 7210-J Tu-Sa
0830-0915	German	6230-M 7160-M Su
1030-1100	Slovak	7225-J 9490-J Sa
1300-1330	German	6230-M 7160-M Su
1330-1400	German	6230-M 7160-M
1342-1357	Russian	9725-Mb 11615-S Mo
1342-1427	Russian	9725-Mb Su 11615-S Su
1342-1457	Russian	9725-Mb 11615-S Tu-Sa
1357-1427	Belorussian	9725-Mb Mo 11615-S Mo
1427-1457	Russian	9725-Mb 11615-S Mo
1445-1500	Polish	6245-A 7355-S Su
1500-1530	Polish	6245-A 7355-S
1530-1600	Hungarian	6245-A
1533-1603	Armenian	7355-S 9945-S Mo-Fr
1600-1615	Czech	6245-A 7390-Sp Mo/Tu/ Th/Fr
1600-1630	Romanian	6245-A 7390-Sp Sa
1615-1730	Farsi	9960-S 12075-S
1810-1840	Bosnian	5910-J Su
1810-1840	Serbian	5910-J Mo-Sa

A=Armavir, Russia
J=Juelich, Germany
M=Monte Carlo, Monaco
Mb=Moosbrunn, Austria
S=Shijak, Albania
Sp=St. Petersburg, Russia
(Gupta-INDIA)

VT—MERLIN Consolidated schedules A06 except for BBC, which will appear here next month.

ABC		
0000-0030	Indonesian	6120-S
0400-0430	Indonesian	21780-D
0500-0530	Khmer	11920-S
0530-0600	Vietnamese	11920-S
0900-0930	Indonesian	11550-T
1300-1430	Mandarin	12010-S
1430-1500	English	9770-R Sa
2130-2330	Indonesian	11550-T
2300-2330	Khmer	9720-S
2330-2400	Vietnamese	15110-T

AWR			LRC		
0100-0200	Vietnamese	15445-T Sa	0000-2400	Unknown	9290
0300-0330	Orominya	11710-D	MNO		
0300-0330	Tigrinya	11975-D	0000-0130	Non-Specific	6145-D
0330-0400	Amharic	11975-D	0015-0030	Hindi	9605-D Sa
1200-1230	English	15140-D	0015-0030	Hindi	9605-D Su-Fr
1230-1300	Bangla	15140-D	0030-0045	Bengali	7210-D
1300-1330	Uyghur	15320-D Sa/Su	0030-0045	Telegu	9605-D Sa
1300-1500	Mandarin	15320-D Mo-Fr	0030-0100	English	6010-D Mo-Fr
1330-1500	Mandarin	15320-D Sa/Su	0030-0100	English	6010-D Sa/Su
1400-1500	Vietnamese	11795-T	1230-1330	Non-Specific	15590-D
1500-1530	Nepali	15225-D	1400-1500	English	9770-R Su
1500-1530	Punjabi	15265-D	1400-1500	English	9770-R We
1530-1600	English	15225-D	1400-1500	Non-Specific	15215-D
1530-1600	Hindi	15265-D	1500-1530	Vietnamese	7380-T
1630-1700	Somali	15460-D	1500-1600	English	9770-R Fr
1730-1800	Orominya	11710-D	1600-1630	Non-Specific	11695-D
CRI			1800-1830	French	11950-W Th
0000-0100	Spanish	9745-B	1900-2000	French	6045-Sk
1100-1200	Portuguese	17625-St	1900-2000	German	6185-Sk
1200-1300	Chinese	17625-St	2300-2400	Non-Specific	6040-D
1300-1400	English	17625-St	NEW?		
1500-1800	English	6100-Me	0700-0900	Unknown	17875-W
1800-1900	Chinese	6100-Me	0900-1100	Unknown	17875-W
2100-2200	Portuguese	11690-St	NHK		
FEBA			0100-0200	English	5960-R 11860-S
0030-0100	Bangla	7375-Tk	0200-0300	Japanese	11860-S
0030-0130	Tamil	7365-Ye	0330-0400	Swahili	6135-A
0130-0200	Telegu	9855-D	0500-0600	English	5975-R 7230-W
0200-0245	Urdu	12035-No	0600-0700	English	7230-W 11740-S
0200-0300	Dari	9855-D	0700-0730	Arabic	15220-A
0215-0300	Sindhi	6145-D	0700-0800	Japanese	11740-S 11920-S
0400-0500	Arabic	15530-Sa Mo-Th	0800-1000	Japanese	11710-Sk 11740-S
0400-0530	Arabic	15530-Sa Fr-Su			11920-S 17650-A 17720-D
0445-0500	Baluchi	6125-D Fr	1000-1100	English	17585-D 17720-D
0500-0715	Sinhala	6125-D Fr	1030-1100	Burmese	11740-S
0700-0800	Korean	9535-Sk	1100-1130	German	9660-Sk 11710-Sk
1200-1230	Tibetan	15355-D	1130-1200	Russian	11710-Sk
1300-1400	Punjabi	12025-D	1130-1200	Thai	11740-S
1400-1500	Hindi	9530-D	1200-1215	Arabic	17560-R
1400-1500	Telegu	7320-I	1200-1230	Chinese	11740-S
1400-1515	Urdu	9500-No	1230-1300	French	15400-A 17870-A
1430-1500	English	9770-R Fr	1230-1300	Vietnamese	11740-S
1500-1545	English	7320-I	1300-1330	French	17870-A
1530-1645	Persian	9850-Ar	1500-1600	Japanese	12045-S 21630-A
1600-1630	Afar	11750-Kg	1600-1700	English	9770-R Fr
1600-1630	Russian	11760-W	1600-1700	Japanese	12045-S 21630-A
1630-1800	Somali	9865-Kg	1700-1800	Japanese	6175-Sk 9750-R 12045-S
1700-1730	Orominya	6180-D			13740-D
1800-1900	Russian	15360-R	1800-1900	Japanese	6175-Sk 13740-D
1830-1900	French	15130-A	1900-2000	Japanese	6035-S
1900-2000	Arabic	15365-W	2000-2100	Japanese	6035-S
1900-2000	French	6145-Sk	2100-2200	English	6035-S 6055-Sk 6180-Sk
1902-2030	Arabic	9550-Kg			11855-A
2000-2100	German	3955-Sk	2200-2300	Japanese	6115-Sk 9650-D 15220-A
2100-2130	English	3955-Sk			
2100-2200	Arabic	12025-Sk			
2145-2215	Wolof	11985-A Th/Fr			

RAI
 0130-0230 Italian 11765-A
 0130-0230 Italian 6110-A
 1000-1100 Italian 11920-S
 1700-1800 Italian 15320-A

RFI
 0400-0500 French 7150-A 15210-D
 0500-0600 French 15210-D
 0600-0630 English 9570-A
 0600-0657 French 17770-Kg
 0630-0700 French 9570-A
 1200-1230 English 17815-A
 1400-1430 English 9770-R Fr
 1600-1630 Pashto 6020-Du 6030-D
 1700-1800 Pashto 5995-Tk 6010-D

RNZI
 1400-1430 English 9770-R Sa

TWR
 1300-1315 Afar 13745-Kg Fr/Sa
 1800-1815 Non-Specific 12035-D Mo-Fr
 1800-1830 Non-Specific 12035-D Sa/Su
 1830-1845 Non-Specific 12035-D Su

UN Radio
 1700-1715 Non-Specific 6055-Me 11665-Sk
 11715-Me Mo-Fr
 1730-1745 Non-Specific 7150-Me 15495-Sk
 17810-A Mo-Fr
 1830-1845 Non-Specific 15105-Sk 17560-R
 Mo-Fr

WYFR
 0400-0500 German 3955-Sk
 1400-1500 Hindi 15520-D
 1500-1600 English 15520-D
 1600-1700 English 15520-D
 1700-1800 Arabic 13700-R
 1700-1800 English 3955-Sk 21680-A
 1800-1900 Arabic 13720-Sk
 1800-1900 English 13780-R
 1900-2000 Arabic 15165-R
 1900-2100 English 3230-Me
 1902-2002 Swahili 7380-Me
 2000-2100 English 15195-A
 2030-2130 French 11985-A

2100-2200 English 6045-Me 15195-A
 2115-2315 English 11875-A

A=Ascension
 Ar=Armavir
 As=A'Seela
 B=Bonaire
 C=Cyprus
 D=Dhabbaya
 De=Delano
 Du=Dushanbe
 G=Greenville
 I=Irkutsk
 K=Kimjae
 Kg=Kigali
 Kv=Kvitsoy
 M=Montsinery
 Me=Meyerton
 Mo=Moscow
 N=Nakhon Sawan
 No=Novosibirsk
 O=Okeechobee
 R=Rampisham
 S=Singapore
 Sa=Samara
 Se=Seychelles
 Sk=Skelton
 St=Santiago
 T=Taipei
 Tk=Tashkent
 V=Vladivostok
 W=Woofferton
 Y=Yamata
 Ye=Yerevan
 (Gupta-INDIA)

UNKNOWNISTAN 6844/U, 2310-2313:03*, 16-Mar; VERY INTERESTING! M alternating in LL & EE about Somalia; "...the coalition forces are working with criminals...", "...the coalition forces will find you, it is only a matter of time." All cmtry; no 2-way. (Frodge-MI/Cumbre DX)

Interesting, this must be Coalition Maritime Forces broadcast to Somali pirates. Reported earlier on 9223U in HCDX. (Savolainen-FIN/Cumbre DX)
SLA

Visit the new NASWA Loggings Database at www.naswa.net/logs/. It contains loggings from November 1998 to the present.

The Loggings Columns depend on your contributions. Send them in.

Pirate Radio Report

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

Hello and welcome to the April edition of the *Pirate Radio Report*. Well, the 19th annual Winterfest has come and gone. I had fun hosting the pirate radio forum along with Allan Weiner, John Fisher and Janice Laws. I hope you enjoyed it. It was nice to meet friends again. Sorry about missing the March column but I totally forgot the deadline. I'll try not to let that happen again!

Lots of logs to catch up with. Many thanks to the following contributors: Mike Lovell, GeorgeMaroti-NY, PaulShinn-CA, JoeWood-TN.

Slow Scan tv Pirates. If you hear some weird chirping-grinding noises on 6925 kHz before or after a pirate program, it might be WBNY with a slow scan TV transmission. I don't know of many pirate SWLs are able to decode such things. I know AROS do use it. He also IDs with a Morse code ID as well.

Captain Morgan, the pirate who likes his rum, was logged 6924.3 AM from 2335 to 2354 on March 11th. Program of rock including music by The Who and Summer Breeze by Seals and Crofts or whoever did that one. [Zeller-OH]

Channel Z Radio was logged on 6925.9 AM on 2159 past 2302+ UTC on March 18th. Program of mostly rock music, some instrumental but some with OM vocals. OM announcer talks about some shows that he did last year, and also some European relays of his programs. Thanks listeners for writing in. Also said thanks to Dave Martin at WNKR for some of the relays that the station got in Europe. BRS address. Clobbered at 2302 by co-channel QRM de WBNY ute noises. [Zeller-OH]

Kracker Radio was heard on 6925.1 USB, from 2305 to 2307 UTC on March 17th. Irish music, ID and email address given. Slow scan TV crap started around 2309 but I'm not sure if it was from Kracker or possibly WBNY. [Lobdell-MA]

The Crystal Ship, noted on 6854.1 kHz AM from 1521 to 1624 sign off on February 12th. Program immediately followed the WBNY 1505 transmission. Various rock including "Love Stinks." Also "Sit on My Face" by Monty Python. Some TV audio including the George of the Jungle theme. The Poet gives several IDs and announces the Belfast address. (Zeller-OH)

Also heard on 6854 kHz on February 18th from 1429-1508. IDs as "You're tuned to the Crystal Ship," and "You're aboard the Crystal Ship, plundering the pirate airwaves." Music by the Ramones and others. Several mentions of Blue and Red states. PSAs for voting rights and audio clips of President George W. Bush. [Wood-TN]

KCBM, noted on 6990 kHz on February 5th at 0650 to 0745 UTC. "The Ken and Barry Show". Lots of parody songs and some talk. Talk, distorted music, loud and clear. About 5-7. [Shinn-CA]

Radio Sierra Papa [SP], logged on 6925 kHz USB from 2143 past 2150 sign off on March 11th with an SIO 141. Most of the program was a male talking, with poor copy given the weak level. Toward the end there were apparently staged CB-style QSOs. No announcement of frequencies as they sometimes do. No address announced. [Zeller-OH]

TIE-Take It Easy Radio, was logged on 6924.98 USB from 0240 past 0301 UTC on March 14th. SIO: 322. Talk by the Desperado, PSA by Al Fansome on tire pressure. [Lobdell-MA]

Tower Radio, A Europirate, was logged in Mt. Kisco, NY on 6274.92 kHz from 0745 to 0833 UTC on March 12th. Dutch accented DJ at tune-in, followed by a polka. Short canned ID at 0747, then another polka and talk by the DJ. Pop song with female vocals at 0752. Still at a decent level at 0833, when I decided to go back to bed, as the static crashes were just unbearable today. SINPO 24232. [Maroti-NY]

QSL Report

Sam Barto • 78 Blakeman Road • Thomaston, CT 06787



ABU DHABI: Gospel for Asia 6145 via Dhabbaya n/d "People Listening to Radio" cd. from the Carrollton, TX address in 17 ds. (Brouillette-IL).

ALBANIA: China Radio International 5960 f/d "Saiga" cd. in 40 ds. (Brouillette-IL).

ANGUILLA: Caribbean Beacon 6090 f/d cd. direct from the site for a Dec. 04 reception. v/s Doris Lussington. Country is new for me on SW but have previously verified them on 1610 and 690khz. (Renfrew-NY).

ASCENSION ISLAND: Radio Prague 11665 f/d "Czech Spas: Frantiskovy Lazne, Western Bohemia" cd. w/o site in 12 ds. I rcvd. a 2006 pocket calendar, letter opener w/ website identification and program schedule. (D'Angelo-PA). 11665 rcvd. another f/d cd. of "Czech Spas: Podebrady, Central Bohemia" in 18 ds. Station magnet and schedule rcvd. (D'Angelo-PA).

BONAIRE: Radio Japan 11935 f/d "Red Crowned Cranes" cd. w/ usual NHK pamphlets and rpt. form in 57 ds. for \$1.00. (Barbour-NH). **Radio Nederland** 6165 rcvd. 3 f/d cds. in 23 ds. (Brouillette-IL).

CANADA: China Radio International 6040 via Sackville f/d "Saiga" cd. in 40 ds. w/ paper cuts. (Brouillette-IL). 13675 same cd. in 48 ds. w/ calendar and a personal note. (Humenyk-ONT). **Radio Austria International** 13675 via Sackville f/d "Landmarks of Vienna - St. Stephan's Cathedral" cd. in 12 ds. w/ schedule. (Humenyk-ONT). **CFRX** 6070 f/d "Map" cd. in 18 ds. for \$1.00. v/s Stephen Cannery. Also rcvd. ODXA materials. (Brouillette-IL).

CLANDESTINE: Radio Republica 6010 n/d SP/EG form ltr. from Directorio Democratico Cubano in Hialeah, FL. The station signed my prepared cd. * and sent a program schedule. (D'Angelo-PA). **Voice of the People** 11705

ANGOLA
Turística
Bilhete Postal

Comprimamos o seu
relatório de escuta
que agradecemos

SAMUEL L. BARTO

RÁDIO CLUBE DO BIE
O Chejo de Paredes

245 Cherry Street Apt. J-11
Hightate
Watertown, Ct. 06795 06/05
CONN. 06763

U.S.A.

Beside Market Place and the new American Airlines office for entertainment, concerts and social events.
Photo by Martin Jermolov

WRMI QSL

Date/Fecha (UTC): 18 Aug 2006
Time/Hora (UTC): 1653
Freq./Frec. (kHz): 13155
Via Jülich, Germany relay
Program: Minivan Radio
73. Jeff White

13 AUG 2006 PM 151

Mr. Richard A. D'Angelo
2216 Burkey Drive
Wyamissing, PA. 19610

RADIO MIAMI INTERNATIONAL
175 Fontainebleau Bd. #114A
Miami, Florida 33172 USA
www.wrmi.net

Zimbabwe broadcaster via Madagascar QSLed my e-mail rpt. w/ an e-mail reply in 20 ds from John Masuku, Executive Director. Addr: voxpopzim@yahoo.co.uk (D'Angelo-PA).

COSTA RICA: TIFC Faro del Caribe 5054.6 p/d two sided "Lighthouse of the Caribbean" cd. w/ station decal and personal ltr. v/s Lic. Ronald Ortiz R.,



Administrative Manager. All in 42 ds. for \$1.00. and an EG report. (Barbour).

CZECH REPUBLIC: Radio LIC: Radio Prague 5930 and 7345 f/d

"Josef Bozek" cd. in 11 ds. for 1 IRC. Fridge magnet and schedule

were rcvd. (Brouillette-IL).

DIEGO GARCIA: Armed Forces Network

4319U friendly, personal and frequency only verie ltr. w/ aerial photo of Diego Garcia in 45 ds. for \$2.00. Addr: U.S. Naval Support Facility, P.O. Box 2, ASC 466, Box 2, FPO AP 96595. v/s IC2 (SW) Marshall

STATION INFORMATION: Radio Tatras International

9290 via Riga v/s Raimonds Kreicbergs, Krebs TV Director.

Radio Free Asia 13775 via Koror v/s A.J. Janitschek. **Radio Britain International** 6244.9 v/s Roger Davia e-mail addr: britainradio@hotmail.com. **Free Radio Service Holland** 9290 via Riga Addr: PB 2702, NL-6049ZG Herten, Netherlands. v/s Peter Verbruggen. **KWRN Nordland Radio** 9290 via Riga Addr: SRS Germany, KWRN, P.F. 101145, D-99801 Eisennach, Germany. v/s Felix Stein....via PLAY DX....Sam.

C. Bennett. (Barbour-NH).

DOMINICAN REPUBLIC: Radio Anacaona 2288 (harmonic) the station verified

DIRECÇÃO TÉCNICA

RDP
RADIODIFUSÃO
PORTUGUESA

MR.
SCOTT R. BARBOUR, JR.
P.O. BOX 883
INTERVALE, N.H.
03045 USA

240TE/EPJRE

0204/12

SUBJECT: RECEPTION REPORT

Dear Sir,

Enclosed please find the QSL verification card and our updated High Frequency Transmission Schedule for Summer 2002 (seasonal period A02), as well as the list of our Internet and satellite transmitters.

Any information on the broadcasts beamed to your target area would be very much appreciated by our services.

We thank you for your kind co-operation.

Best regards,

GRUPO REDES DE EMISSORES

Teresa Beatriz Abreu

Teresa Beatriz Abreu

ARMED FORCES

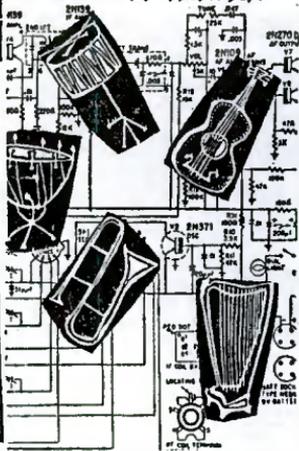
1660 KILOCYCLES, 3,900, 7,215 MEGACYCLES
100.1 MEGACYCLES

NETWORK TAIWAN



MUSIC.....
NEWS.....
SPORTS.....
COMEDY.....
DRAMA.....

SPECIAL
EVENTS ...
CHILDREN'S
PROGRAMS..
RELIGIOUS
HOURS.....



my postal rpt. w/ an e-mail reply in 31 ds. from Dr. Manuel A. Bello, Director Ejecutivo. The verie signer is responsible for the programming on 1140 "La Reina del Sur" and on 94.9 "La Alegria". (D'Angelo-PA).

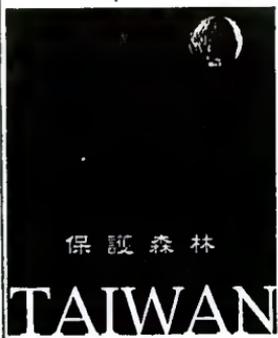
ENGLAND: Adventist World Radio 9530 f/d "voice of Hope" cd w/ site marked as **Skelton** in 23 ds. for \$1.00 and a report to the Indiana addr. v/s Adrian Peterson, DX Editor. (Barbour-NH).

FRANCE: Radio Taiwan International 11850 very sharp looking "Flying Heavenly Lanterns" cd. w/ the correct date...everything else was wrong including the UTC and frequency. I now have 4 blank or error ridden QSLs from RTI. All this in 26 ds for 1 IRC along w/ schedule and newsltr. (Barbour-NH).

FRENCH GUIANA: China Radio International 13685 via **Montsinery** f/d "Saiga" cd. in 48 ds. (Humenyk-ONT).

INDONESIA: Voice of Indonesia
I received a tri-folding

台北國際之聲
Radio Taipei International



保護森林

TAIWAN

combo, Merry Christmas/New Years/ frequency schedule and coverage map cd. mailed in a very nice VOI envelope w/ beautiful stamps. This was presumably for one of my many reports of 9525 sent in the past. I did receive a n/d VOI e-mail reply last summer. Eventually I may even get their QSL...I hope.(Barbour). You're having quite a run of good luck...Sam.



ITALY: RAI International 11800 p/d "Progetto Cinema" cd. in 337 ds. w/ schedule for 1 IRC.(Bro- uillette-IL).

KUWAIT: Radio Kuwait f/d cd. in 8 mos. w/ a mag- nificent calendar w/ a standing base. I really prize this inclusion. (Littlefield)...Yes, it is a beautiful calendar...Sam.

LATVIA: Radio Six International 9290 f/d cd. w/

* site and info sheet in 20 ds. for 1 IRC. My report was sent to the Scotland address. v/s Tony Currie, Program Director. (Barbour-NH).

MALAGASY REPUBLIC: WYFR 11805 verified w/ a site only e-mail reply in 5 ds. from Dan Elyea, Engineering Manager.(D'Angelo)

STATION INFORMATION: China Radio Inter- national 7285 via Cerrik Addr: CRI English Service, P.O. Box 4216, CRI-2, Beijing 10040. Star Radio 9525 v/s Mr. Darcy Christen, Pro- gram Officer. Tensae Ethiopia 15660 via Samara e-mail addr: tensae.eth opia@gmail.com. Freie Volksmission Krefeld 11865 via Wertachtal Addr: P.F. 100707, DE-47707 Krefeld. v/s Peter Vitsek, Technical Department. Missionwerk Friedenstimme 11840 via Nauen. Addr: P.F. 100638, DE- 51606 Gummersbach, Germany. v/s Klaus Karsten, Mission Director. Rad- io Six International 9290 via Ulbroka, Latvia Addr: P.O. Box 600, Glasgow G41 5SH, Scotland. v/s Tony Currie...via PLAY DX...Sam.



PAPUA NEW GUINEA: Wantok Radio Light 7120 f/d "Grass Hut" cd. w/ person- * alized form ltr. w/ site info. in 174 ds. for 1 IRC. v/s Sarah Good.

SAO TOME: Voice of America 7290 p/d cd. in 6 mos.for (Barbour-NH). \$1.00. (returned). Address: Attn Reception Reports, Sao Tome Relay Station, P.O. Box 522, Sao Tome e Principe. (Wood-TN).

SOUTH AFRICA: Trans World Radio 7215 via Meyerton verified w/ a f/d ltr. and a Meyerton transmission schedule in 18 ds. for an e-mail rpt. v/s Kathy Otto, Broadcast Planning at Sentech. (D'Angelo-PA).

Radio Okapi 11690 via Meyer- ton verified w/ a plain cd. and a nice picture postcard of re- porter Francois Florin, apparen- tly of Radio Ndeke Luka, in 92 ds. Addr: Fondation Hiron- dallee, Rue Tra- versiere 3, CH- 1018 Lausanne, Switzerland. (D'angelo-PA).

Dear Mr. Howard,

Thanks for the mail. I hereby confirm that you received our FM Rainbow programme on 9425 kHz which was a test transmission from Bangalore. You may send your reception reports on line through our website www.allindiaradio.gov.in Some of the best heard AIR's frequencies in USA are 10330, 11620, 9445 and details are available on website.

with best regards,

Yours Sincerely,

(Sunil Bhatia)
Dy Director (Engg.)
Spectrum Management & Synergy Division
Directorate General: All India Radio
207, Akashvani Bhawan, New Delhi-01

Pennant via PLAY DX and Andy Schmidt.

SWEDEN: Radio Sweden International 15240 via Horby f/d cd. in 74 ds. for an EG report. The cd. featured an aerial view of Stockholm. Addr: Radio Sweden, SE-105. 10 Stockholm, Sweden. (Wood-TN)

TURKEY: Voice of Turkey 15155 via Emirler f/d cd. in 47 ds. w/ schedule. (Humenyk-ONT).

USA: United Broadcasters of New Orleans 15285 via WHRI f/d "Hurricane Katrina" cd. in 1 wk. for \$1.00. v/s Joe Polett, Chief Engineer at WWL. My cd. was QSL #18. (Sorry, name was not at the end of the report. Usually I check these but this one slipped by...Sam. WWV 5000 f/d cd. for a report of the "Leap Second". v/s John B. Milton, Engineer in Charge. There was no mention of the "leap second" on the QSL. Three days later I rcv'd. a ltr from Sue Jackson, WWV Administrative Assistant, stating that she had neglected to stamp my cd. She sent me a sticker w/ the leap second notation on it in order for me to place it on the

QSL card. Its nice to know that there are still people out there who will go the extra mile. (Field-MI). WX4NHC 14325 National Hurricane Center Amateur Radio Station f/d cd. in 148 ds. Addr: c/o Julio Ripoll, WD4R, 14855 SW 67 Lane, Miami, FL 33193. (Wood-TN).

WEST BERLIN: Deutschlandradio-kultur 6005 via Berlin-Britz f/d "Satellite Bish and Listener" cd. in 56 ds. for \$2.00. (Brouillette-IL).

ZAMBIA: Radio Christian Voice 4965 f/d cd. in 132 ds. for an EG report, postcard and 2 IRCs. Addr: Private Bag E 606, Lusaka, Zambia. Very nice stamps on the QSL. (Wood-TN).

RADIO NAYLAMP E. I. R. L.



OBX - 1M - OM 1580 KHZ
LA DIFERENTE

Av. Belaunco 190 - Telef 28-3353
LAMPAYTOR - PERU

Saluda a y agradece vuestra recepción y envío
Dia: 29/MARZO - 05
Hora: 20 - 20:39 Pm
Lugar: USA
País: USA
18 OCT 2005
E. I. GRANDEZ VERGAS
URUBENHE

Much better than the single page from last month. Things are starting to pick up...Sam.

Till next time.....

Sam

Bible Voice BROADCASTING

THANK YOU FOR LISTENING!

Reception Confirmation

Date: March 3/04

Bible Voice Middle East

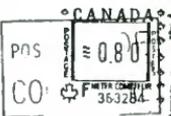
Frequency 6025 (Judith)

Time 0225-0730 UTC

mail@biblevoice.org

Air Mail Par avion

13 674 038 (04-04)



Richard A. D'Angelo
2216 Burkay Dr.
Wyomissing PA
19610 USA



Undercover Radio noted on the unusual frequency of 3480 USB on February 1st from 0109-0112*. Dr. Benway with several mentions of Cdr. Bunny and the rodent revolution. Mentions of new QSL cd with the mobile rig featured. ID and address at 0110 as Undercover Radio broadcasting from the middle of nowhere. Address as POB 293, Merlin, Ontario, NOP 1W0, Canada. Poor. [Wood-TN]

Also noted: from 1707 to 1810 UTC on March 11th on 6.925 USB. He recanted his diving expedition to the Solomon Islands, and subsequent revival by the NAVY secret lab. This signal good however the band was quite noisy. S1 at best. [Lovell-?]

WAPRS logged on 6925 kHz USB from 2110 to 2136 sign off on February 12th. Apparent new station with a relay of a station called the

Mouth of Muhammad. Muhammad explains why the followers of Islam are rioting as a result of a couple of cartoons. Some rock and pop music, too. The PRS in the ID stands for pirate relay service. I did not catch what the "WA" at the beginning stands for. No address copied. [Zeller-OH] Well, there used to be a NAPRS [North American Pirate Relay Service], now there is a WAPRS!

WBNY—The Voice Of The Rodent Revolution noted on 6854.1 kHz AM from 1505 to 1521 sign off on February 12th. Clearly a relay by The Crystal Ship. Goofy and random talk by OMS. A couple of Bozo remarks. Several WBNY IDs and also a slogan of R. Bunny. Gave a street address on Wyandotte Avenue in Lakewood, OH, a suburb of Cleveland less than two miles from my own house. [Zeller-OH]

Until next month, Happy Pirate DX!

NASWA Awards

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

New Master DX Centurion

James W. Evans of Germantown, TN started DXing in 1961. It took him 16 years to collect the 50 country verifications necessary to advance from Senior DX Centurion. Things went very slowly at the end, and the last 3 or 4 years seemed longer than the total 44. His earliest QSL is from Radio Deutsche Welle dated June 10, 1961. Congratulations on a job well done.

We have 5 other award winners to highlight this month:

Robert A. Fleck, Euless, TX
170 Endorsement to the Senior DX Centurion

Stephen Price, Jonstown, PA
Master Subcontinental DXer

Joe Kremer, Wilmington, DE
DX Centurion

Michael T. Prindle, New Suffolk, NY
North American Continental DXpert
South American Continental DXer

Steven R. Lare, Holland, MI
Pirate DXer
Senior Ecclesiastic DXer

Clarification on the use of Pirate DX Stations in the NASWA Award Program

Misunderstandings continue in the use of Pirate DX stations in the NASWA Award Program. Upon discussions and further review at the 19th Annual Winter Shortwave Listener's Fest held in Kulpville, PA on March 3-4, 2006, the following definition will become effective immediately superseding all earlier definitions: Pirate DX stations only count towards the Pirate DXer Award which is given for verification of at least 10 unlicensed hobby pirate broadcasting stations. Endorsement stickers are available for 25, 50, 75 and 100 stations.

Until next time, 73.



Scoreboard

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

This month we are highlighting our members' totals from Europe. This is your chance to show everyone how well you are doing. The next deadline is May 15th for the June 2006 issue of the *Journal*. The spotlight will be on North and Central America.

Name, State	Total		Europe		Best Europe QSL
	c/h	c/v	c/h	c/v	
Marlin Field, MI	244	244	46	46	EMR, England (10 w.)
Jerry Berg, MA	244	244	47	47	Polish Pathfinders Station (1kw.)
Tom Williamson, ON	243	230	46	45	Tallin Estonia
John Sgrulletta, NY	240	240			
Steven R. Lare, MI	236	219	45	44	Karelo-Finnish
Harold Cones, VA	234	232			
Dan Robinson	230	196			R. Andorra
Rich D'Angelo, PA	225	223	46	46	Karelian Radio, Karelo-Finnish
SSR					
Chris Lobdell, MA	224	221	44	44	R. Mi Amigo - England (22 w.)
Sheryl Paszkiewicz, WI	224	218	44	44	Estonia
Paul Buer, FL	218	207	44	43	R. Dublin Limited (200 w.)
Christos Rigas, IL	217	198	44	44	Petrozavodsk, Karelian SSR
Dan Robinson, MD	217	205	38	36	R. Andorra
Jerry Klinck, NY	220	202			
Ron Howard, CA	212	200	34	34	RIAS Berlin
Jerry Johnston, KY	209	139	40	35	R. Alfa Lima International
George Maroti, NY	206	199	43	42	WMR Scotland
Stephen Price, VA	193	174	40	40	Sicily Uno
Ross Comeau, MA	192	168	44	41	WMR Scotland
Allan R. Loudell, DE	192	167	40	38	R. Renascenca, Portugal
James R. Renfrew, NY	187	156	42	41	RAI Sicily
Gary W. Froemming, AZ	184	44	40	14	RID Time Station
Bob Raymond, NH	175	150			
Mark Humenyk, ON	169	148	38	37	R. Ukraine
Scott R. Barbour, NH	164	110	36	33	TDF CCETT experimental DRM
George L. Glotzbach, MN	154	136	40	39	Deutschland Radio, Berlin
Paul Brouillette, IL	148	121	35	34	R. Dublin
Scott C. Newman, IN	148	113	34	29	R. Luxembourg
Richard Bradley, MA	145	130			
Jilly Dybka, TN	145	108	37	34	R. Luxembourg
David Turnick, PA	144	129			
Edward G. Stroh, IL	135	104	37	35	R. Romania
Gary R. Neal, KS	134	123	38	37	R. Europe (500 w.)
John Mosman, WI	120	120	32	32	R. Luxembourg
Richard Lawrenson, RI	116	110			
Jerry Ervine, TX	110	60			

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
Jerry BERG, Lexington, MA	R8 19, 41, 90 meter dipoles
Forrest S. BISHOP, Cincinnati, OH	Sangean ATS-909 with a built-in antenna
Ralph BRANDI, Middletown, NJ	AOR7030, R8, 300' longwire, T2FD
Paul BROUILLETTE, Geneva, IL	Drake R8, ICF2010, 60' long wire
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
Bob FRASER, Belfast, ME	Sony ICF-2003 ICF-SW100s 2m LW
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
William McGUIRE, Cheverly, MD	DX-380
Bob MONTGOMERY, Levittown, PA	NRD535D, R390A, RX320, HF150, SE3, T2FD,
Bill MORRISSEY, MA	R75, Sat 800, 100' LW
Dale PARK, Honolulu, HI	Sangean ATS-818CS
Sheryl PASZKIEWICZ, Manitowoc, WI	ICOM R-8500, 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
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/>. 

NASweb

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** 0302-0311* Latin vocals until M SS ID, brief closedown anmt, orchestral NA. Harmonic of 1140 kHz medium wave. P/F 2/24. (D'Angelo-PA) 2279.96, 0210-0307* Still here w/mostly continuous local pops/ballads. ID anmts 0214, 0230. Closing anmts 0305 with ID followed by NA at 0306. P/F 2/25. (Alexander-PA)
- 2310 **AUSTRALIA VL8A** Alice Springs 1054-1106 in EE; Commonwealth Games football commentary (about 2 seconds ahead of R.Australia on 9580 kHz.), ABC News 1100, fanfare to Comm. Games cmtry; fair 3/17. (Taylor-WI) 1011-1020 Aboriginal/EE; mx pgm, M EE ancr at tune in. M tentative ID 1016 in EE. More pop music. 2/22; poor level, fading. (R.Montgomery, PA)
- 3185 **USA WWRB** 1027 Brother Stair in EE; poor 3/8. (F.Bishop-OH)
- 3204.96 **PNG R. West Sepik** Vanimo 1225 2/21 interview with official about education in EE; mention PNG island music; F/G 2/21. (Herr-CA)
- 3240 **SWAZILAND TWR** 0318 local language-chanting. Poor 2/16 (Morrissey-MA)
- 3249 **HONDURAS R. Luz y Vida** San Luis 0310-0330; repeated SS ID's by M 0321. Inspirational SS mx. 3/11. Also 0104 M SS ID, slow tempo music and then Alvin and the Chipmunks in SS! P-F 3/17. (Wood, TN) 3249.9 1114-1120 M preacher in EE being translated into SS by W. Abrupt off 1115 w/ several brief xmtr s/on tone and off. Apparent xmtr problem or maintainance. No ID, so probable. Fair 3/17. (Taylor-WI) 3249.69, 0100-0143 maracha and xylophone mx, M ancr but no positive ID. Never really out of the noise, but occasionally rising to just about a fair level over the last couple of nites. Most likely them. 3/16. (Agner-MD)
- 3275 **PNG R. Southern Highlands** Mendi 1252 talk & mx in Tok Pisin, mention PNG. F/G 2/21. (Herr-CA)
- 3279.7 **ECUADOR LV del Napo** 0445-0545 in SS, rel hymns, ID 0502 Complete recitation of Ava Maria, (Hail Mary) w/background organ, inst'l of Sounds of Silence at start and finish of pgm; 2/16 (Caras ME) R.Maria via La Voz de Napo, 1053-1104 M in SS w/ID, vocal selection; into another rel pgm 1100; fair 2/27. (D'Angelo-PA) 0910-1000 SS, Andean mx, M ID 1000 for R.Maria; fair 2/23. (Taylor-WI) 3280, LV Napo 0405 lots of rustic guitar/vocal mx & an occasional SS anmt; F/P 2/20. (Ronda-OK) 0409 light orch mx & SS anmts; ID as R. Maria 0424; still fair 0512 re-check; 3/15. (Ronda-OK)
- 3280 **CHINA V. Puijiang** Shanghai 1225 modern uptempo show with lots of spots, CC mx, //5075; F/G 2/21. (Herr-CA)
- 3290 **PNG R. Central** Boroko 1005 sandwiched between ute and R. Guyana het 3291.1 copy on LSB with island music. poor 2/25. (Herr-CA)
- 3291.16 **GUYANA VoG** 2334-0002, EE, 2 YLs re "Valentines Day" and ballads; pips/ID 0000; religious talks re Bible; fair 2/19. (Barbour-NH) 3291.17, 0156 EE M reading a prepared statement in an obvious political address, mention women's rights, education, indig people, and being a former colony. This sort of thing went on for almost a half hour - almost certainly Guyana, tho no ID heard. Not particularly strong, but reasonably clear. (Agner-MD) 0600 2/21 four pips at ToH, EE nx; poor to unreadable 2/21. (Herr-CA) 3291.2, 0054-0117 M EE talk abt "God is There." ID & TC 0100, then pgm previews. Another religion feature to 0110, thebn nx; fair 3/16. (D'Angelo-PA)
- 3315 **USA WWCW** 0241 rel pgmg; freq change from 3210 required by FEMA, good 2/22. (Herr-CA)
- 3320 **S.AFRICA R. SonderGrense** 0215-0225 AK US & Brit pop. Stepped on by blabbermouth YL DJ. Best I've heard them: good 3/16 (Crisler-Smith MD) 0107 M in Afrikaans with talk of deserts. Fair 3/17. (Wood, TN) 0225 mx, W ancr; EE I believe but could be Afrikaans; 0300 ID mentioning S.Africa; then news. poor 2/22. (Herr-CA) 3320.015, 0233- W Afrik. ancr, pop mx by Sting. Journey, country with Winona - surprisingly strong this eve, and first time noted. ID presumed; 3/16. (Agner-MD)
- 3340 **HONDURAS HRMI** 0112 SS hip hop mx; poor. (Wood, TN) 0301-0305 M SS ID, M&W anmts & pgm intro; 2/4. (Brouillette-IL) 3339.99, 0257 ballads, instls, M full ID 0257, into ads, 3/17. (Agner-MD)
- 3345 **S.AFRICA Channel Africa** 0433-0457 in EE, m & W w/nx, AF pop mx 0455 ID 0435. 2-14 (Caras ME) 0339-0402, Feb.21, EE, Music at t/in, ID and prg. "Inner Voice" at 0344 w/ interesting YL interview re "relevance of numerology". Cut-off at 0400 for ID and news. Fair/good listening in LSB. (Barbour-NH) 0400-0413 M EE nx, mx bridge, W ID, story about the Congo; ID 0411; fair 3/10. (D'Angelo-PA) 0349 W in EE nx, ments of maritime industry; vy faint 3/11. (Wood-TN)

- 3365.1 **BRAZIL R. Cultura** Araraquara 0327-0410 EZL Pp vocals; 0402 M PP ID & fgy anmts; back to to non-stop vocals 0403. P/F 2/25. (D'Angelo-PA)
- 3375 **BRAZIL R. Municipal** 1028 PP morning prgm; lots of lively mx; clear ID 1030; fair 3/2. (Ronda-OK)
- 3385 **PNG R. E. N. Britain, Rabaul** 1245 typical sounding PNG with music and DJ in Tok Pisin; poor 2/21. (Herr-CA)
- 3955 **ENGLAND WYFR** Skelton 0515 GG preaching & gospel songs; GG ID & Oakland address 0530; F/G 3/15. (Ronda-OK)
- 3976.05 **INDONESIA RRI Pontianak** 1150 a regular despite Ham QRM; ID 1152 mention Pontianak; good 3/16. (Herr-CA)
- 4052.5 **GUATEMALA R. Verdad** 0213-0216 SS/EE. W SS intro to next song at tune in. M ancr or preacher 0214, long talks in SS. Fair 2/26. (R.Montgomery-PA) 0215-0243 group vocals, M&W SS ancrs; several IDs during talk segments. Fair 2/26. (D'Angelo-PA)
- 4319u **DIEGO GARCIA AFN** 0020 in EE Pro Bowl, PSAs, AFN sprints, ID 2/13. (Paszkievicz-WI) 0010-0020 EE, "Sports By-line" prg. w/ Dennis Rodman interview, PSA's re. "Homeland Security". V. poor 3/1. (Barbour-NH) 0021-0028 EE sports, AFN ID 0030; M gave URL; 3/10. (R. Montgomery,PA)
- 4604.95 **INDONESIA RRI Serui** 1146 mx w/M DJ. fair 3/16. (Herr-CA)
- 4746.8 **PERU R. Huanta 2000** 1008-1037 flute music, long SS talk by M&W, IDs. P/F 2/25. (D'Angelo-PA)
- 4749.95 **INDONESIA RRI Makassar** 1141 M&W in II; fair 3/16. (Herr-CA)
- 4760 **ANDAMAN & NICOBAR IS AIR** Port Blair 1417-1444 pop Indian songs, 1428 AIR ID, poor-fair. Best level heard in quite a while. Not //4775 (fair) nor 4970(fair-good). Re-checked at 1509 and still decent signal. 3/12. (Howard-CA)
- 4770 **NIGERIA RV** Kaduna 0436 drum & vocal mx; into EE talk, all under constant pulsing QRN; poor 3/15. (Ronda-OK)
- 4775 **SWAZILAND TWR** 0414-0419 GG W preacher, choir w/ trad Euro hymns & modern gospel; F/G 2/26. (CrislerSmith MD) 0430-0458 EE US 0455, M rel talk; fair 2/9. (Caras ME)
- 4777 **GABON R.Gabon** *0459-0510+ s/on w/local mx & opening FF anmts with R.Gabon IDs; FF talk; fair 2/24. (Alexander-PA) *0456-0525 OC, tone 0457, FF opening ID & fgy anmts. Orchestral NA 0459; ID & techno mx 0501, then nx; then IDs, highlife vocals; good 3/11. (D'Angelo-PA)
- 4780 **DJIBOUTI R. Djibouti** 0322-0333 AA Jiving DJ spinning trad mx & HOA flavored reggae; 0330 ID, IS, M w/nx; P/F 3/15. (CrislerSmith MD) 0329-0335 vern; that unmistakable HOA mx; 0331 M reading nx at furious pace; F/G 2/27. (CrislerSmith MD) 0432-0443 vernacular, familiar mx notes at t/in, then M w/news; native mx 0043; poor 2/20. (Barbour-NH) 0320 lots of jazzy vocals; AA ID 0330, back to mx; good 0350 recheck; F/G 3/5. (Ronda-OK) 0352-0402 up-tempo Afropop mx, then AA chanting; heavy RTTY QRM; poor 3/11. (Wood, TN)
- 4780 **GUATEMALA R. Cultural Coatan** 1125-1135 in SS. Campo (,or similar) style music, full ID at BoH, bridge, M. talking at length; fair. (Taylor-WI) 4779.97, 0156 many accordion selections, M singing, ancr always preceded by a short mx piece that sounded religious, but definite 'R Coatan' ID nailed it -thought at first it was Buenos Nuevas. Fair level but bothered badly by rushing sound (encrypted voice?) and ALE. 3/19. (Agner-MD) 1040-1110 with pleasant SS vocals, mostly rel; many IDs including a very full one w/fgy, station name, & "en la Republica de Guatemala" at 1058; all IDs as R. Coatan; at one point the ancr asked for letters from listeners; I thought he was about to read reception reports! F/G 3/2 (Ronda-OK) 0147-0205 M SS ancr, local mx; tentative ID by M 0202; poor 3/6. (R. Montgomery,PA) 4779.97, 1312 SS DJ playing song for birthday; good 3/11. (Herr-CA) 4779.98, *1028-1055+ s/on w/local choral NA; opening SS anmts 1032 w/IDs & into local rel pgming with talk & traditional rel mx; fair 2/11. (Alexander-PA)
- 4789.97 **INDONESIA R. Fak Fak** 1244 "A Long and Winding Road" by Beatles followed by "Breaking Up Is Hard To Do"; good 3/4. Also, 1124 mx, M ancr, heavy bass; sweeper QRM; fair 3/16. (Herr-CA)
- 4799.9 **GUATEMALA R. Buenas Nuevas** 1048-1104 SS, M w/mx & talks, full ID 1102; fair 2/27. (Barbour-NH)
- 4810 **MEXICO R. Transcontinntal** 0306 SS ID, mx, M ancr; fair 3/1. (Herr-CA) 0215-0300 SS rel pgm, rel vcls, ID 0250 w/phone number for call-ins; fair 2/26. (Ronda-OK) 0307-0346 M long SS talk, W apparent ID 0339, brief instl mx, more talking; poor 2/22. (D'Angelo-PA)
- 4845 **BRAZIL R. Clube do Para** Belem 0335-0355 EE mx including "All Night Long" by Lionel Ritchie & "Good Morning Sunshine" followed by typical pgmg of dance club music in PP; good 3/11. (Wood, TN)
- 4845 **MAURITANIA RTV Mauritanie** 2350 M AA talk; fair 3/5. (Ronda-OK)
- 4885 **BRAZIL R. Clube do Para** 0208-0219 two M PP ancrs (sports?); quick ID 0210, ad string; fair 2/20. (Taylor-WI) 0320 mx, M ancr; poor 2/28. (Morrisey-MA) 0413 with lively PP vocals, steel drum mx; ID 0418; F/P 3/3. (Ronda-OK)

- 4890 PNG NBC Port Moresby 1304 nx, then anmt that Radio National covers all of PNG from Sapik to Bourgainville; then mx; good 2/21. (Herr-CA) 1227-1234 EE quiet DJ, just intros mx; various US pop tunes w/ lite country flavor; P/F 3/6. (CrislerSmith MD)
- 4905 TIBET Xizang PBS 2355 Tibetan, flute mx, with tlk // 4910; 2/12. (Paszkiwicz-WI) 1331 mx & talk, //4920; fair 2/17. (Herr-CA)
- 4905.1 BRAZIL R. *Anhanguera* 0251-0301* nice guitar vocals, ID 0254, full ID & s/off anmts 0257 & again 0300 close down; all in PP; P/F 3/17. (D'Angelo-PA)
- 4909 ECUADOR R. *Chaskis* Otavalo 0225-0232 SS M w/rambling sermon, ments "La Biblia"; muddy vox, Ute & QRN; poor 3/5. (CrislerSmith MD)
- 4910 ZAMBIA R. *Zam bia* 0424-0432 vern YL & men in long friendly discussion/interview; F/G 2/26. (CrislerSmith MD) 0251 Call of the Fish Eagle IS until 0250, into vocal NA. Much better on LSB to escape Factor station on high side. 3/16. (Agner-MD) 0423 with EE discussion of regional economic development and Zambia's role; F/P 3/3. (Ronda-OK)
- 4914.97 BRAZIL R. *Difusora* Macapa 0705-0745+ BRZ pop mx, ID0712; good 2/10. (Alexander-PA) 4915, 0155-0220 ads & many mentions of Ahanguera, mx, into long winded interview program. No ID heard but almost certainly them. Very Strong tonite, even on indoor antennas; no sign of Macapa; 3/15. (Agner-MD)
- 4925 INDONESIA RRI *Jambi* 1348 "Every Breath You Take" followed by other music also in EE; poor 2/21. (Herr-CA) 1202 M in II, prob news; fair 3/16. (Herr-CA)
- 4930 BOTSWANA VOA 0410-0422 EE, URL at t/in, cmtry re Asian college students; U.S. healthcare system; poor 2/28. (Barbour-NH)
- 4960 SAO TOME VOA 0413-0427 report on energy situation, 0415 TC & VOA African News Now ID; fair 3/10. (D'Angelo-PA)
- 4965 ZAMBIA *Christian Voice* 0048-0125 EE; M anmts 0100; W poss ID 0120; stn jingle w/ID 0121; weak 3/6. (R.Montgomery,PA) 0116 contemporary EE Christian mx; poor 3/17. (Wood, TN) 0115-0202 pop vocal pgm w/W ancr in EE, ID; brief rel talk by M 0300, more mx pgmg; fair 2/22. (D'Angelo-PA)
- 4970 INDIA AIR *Shillong* 1430-1445 in EE, woman DJ w/request pgm of western music; their request line had not been working recently but now listeners can call in from 4:30 to 5:30 on Thursday; played songs by Enrique Iglesias, Mariah Carey with "I Dont Wanna Cry", etc; several local IDs; F/P 3/7. (Howard-CA)
- 4976 UGANDA R. *Uganda* 0309-0331 EE, M at t/in w/local time (6 o'clock) and prg. schedule followed by pop ballads w/talks b/w selection; 2/25. (Barbour-NH)
- 4985 BRAZIL R. *Brasil Central* Goiania 0201 cl mx, PP nx, //11815; fair 2/22. (Herr-CA) 0046 M ancr w/slow ballads in PP w/ID; poor, //11815 VG; 3/17. (Wood, TN)
- 5005 EQ.GUINEA R. *Nacional* 0520-0552 highlife vocals, long SS talk by M ancr w/ments of Malabo. Marching band 0532, then "Radio Nacional" ID & more mx; fair 3/11. (D'Angelo-PA) 2240-2258* Afr hi-life mx, SS anmts; s/off w/short NA 2256; good 2/24. (Alexander-PA) 2152-2200 Afro pops w/latin overtones; F/G 3/21. (CrislerSmith MD)
- 5010U MADAGASCAR RTV *Malagasy* 0254-0306 vernacular, IS, NA, W 0300 s/on anmt, snippet of Bryan Adam's cover tune. M&W banter 0302; rough, noisy copy listening in USB. Unusable by t/out. 2/25. (Barbour-NH)
- 5019.88 SOLOMON ISLANDS SIBC Honiara 1329 relay BBCWS "World Briefing"; good 2/21. (Herr-CA) Also 1326 BBC radio play, poor 3/11. (Herr-CA)
- 5030 BURKINA FASO R. *Burkina* 2315 FF interview b/w W in studio & M telephone; into mx 2320; 3/5. (Ronda-OK) 2245-2251 FF hard driving high life mx: extended call response jams. Complete w/ jiving M DJ; F/G 3/4. (CrislerSmith MD)
- 5030.02 COSTA RICA Univ. *Network* 0530 station break w/800 phone number - in background R. Burkina; good 2/21. (Herr-CA)
- 5035 CENTRAL AFRICAN REPUBLIC R. *Centrafrique* 0505-0535 FF, phone interviews, pop mx 0532, W host, poor 3/3. (Caras ME)
- 5054.6 COSTA RICA *Faro Del Caribe* 0215 strong w/distorted audio, W ID 0232; fair 3/19. (Herr-CA) 0459 ancr w/devotional mx interspersed w/long talks, poor audio. After s/off ment Honduras address, full ID; 3/18. (Agner-MD) 1121-1143 SS preaching & gospel songs; clear IDs @ 1127, 1128, and 1143. 3/2. (Ronda-OK) 5055, 0402-0407 M SS ancr w/insp. mx; fair 3/11. (Wood, TN) 0012-0040 M SS ancr w/mx pgm; over-mod; nx 0030; 2/12. (R. Montgomery,PA)
- 5075 CHINA V. *Pujian* Shanghai 1351 vy up beat modern sound; two W ancrs; mx has western sound minor ute interference //3280 which not as good. G/E 2/17. (Herr-CA)
- 5110 USA WBCQ 0030 "Good Friends Radio Network", address in CA, requested reports; then 0035 pgm "Radio Weather"; weak & fading. (Shinn, CA) 0526 rel pgm; good 2/21. (Herr-CA)

- 5446.5 USA *AFRTS* 2355-0005 EE "Market Place" pgm, ID, nx; 3/9. (R. Montgomery, PA)
- 5500 ETHIOPIA V. *Tigray Rev* 0402-0412 vern; signature HOA mx IS. Vy little jive from M DJ; just trad mx; fair 2/26 (CrislerSmith MD) *0352-0416 OC till familiar IS 0359; ID 0400, opening anmts By W in Tigrinya; M w/nx HoA vocals from 0405; F/G but //6350 covered by growling noise; 3/10. (D'Angelo-PA)
- 5730 CHINA *CRI* 0412-0417 EE ID & addresses by M ancr, talk of UN Sec.Gen.; poor 3/11. (Wood, TN)
- 5745 USA R. *Marti* 1144 in SS with heavy jamming. poor 3/7. (Herr-CA)
- 5865 GREECE *ERT* 2307-2314 Greek pgm; Led Zeppelin tunes, M ancr; mentions in EE "Sports Festival Elektra", phone calls. 2/5. (Brouillette-IL)
- 5880 UKRAINE R. *Ukraine Int7* 0429 EE ID, & pgm; short items 7 mx selections; full ID & fqy list 0456. Poor 3/11. (Ronda-OK) 0417-0424 "Roots of Culture" pgm in EE; poetry readings & ments of similarities between Oriental and Ukrainian poetry; ID 0423; fair 3/11. (Wood, TN)

NASWA IRC—A number of SWBC DXers hang out in a couple of Internet Relay Chat rooms on the StarChat IRC network, <http://www.starchat.net>. Once you get logged on to StarChat, check the #NASWA and #SWL rooms. I'm often there with the "nick" k4voa-NMB. People are not always waiting right by their keyboards, so stick around a while. Back next month.—Dan 

Company Store

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Hello everyone. It was good to see some of you at the Fest. I hope you enjoyed yourself and can make it back again. Next year will be the 20th annual WinterFest and should be an especially good one. I don't have any big announcements this month. I do want to remind everyone about a couple of our more popular offerings, however. First are the *Fine Tunings' Reprint Catalogs*. We're offering them in 2 flavors. A 5 page "mini" catalog for \$2 and a 20 page "premium" edition for \$5. Next, we have ball caps with the club logo for \$12 plus postage. Finally, don't forget the 1947-1958 WRTH CD compilation. These are shipped directly from Germany and are available for only \$60. All orders should be sent to me at the address listed on the masthead. All prices are in us dollars. That's it for now. Have a good one. Mike 

WELCOME TO THE FOLLOWING NEW MEMBERS

DAVID VANDINE, Stratford, CT
ROBERT GRICE, Novato, CA
RUSSELL DICKEY, Phillipsburg, NJ
ALLEN G. BUCKALEW, Arlington, VA
ANTHONY BERNIER, Johnson City, TN
STEVEN COLLINS, Golden Meadows, LA
KARL ERNST MERCKER, San Antonio, TX
DONALD E. McKENNA, Fern Park, FL
DAVID HUNTINGTON, Port Angeles, WA
JIM & KAREN SIFFERT, Santa Barbara, CA

International Band Loggings

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

- 5960 **TURKEY V of Turkey** in EG *2300, IS, ID, fqy, sked, website, rpt on Iraq, good (McGuire MD 2/27)
- 5980 **MOROCCO RTM** Tangier in AR 0102, nx, interviews, field rpts, crowd sounds from a live festival, g (CrislerSmith MD 3/5)
- 6005nf **YEMEN YTRC** San'a in AR 2041, listeners call-in pgm continuous w/traces of co-chan Deutschland Radio underneath, fair, //97795 (Barbour NH 3/7)
- 6005 **ASCENSION ISLAND BBC** relay in EG 0530-0628, nx in EG spoken with a definite British accent, xmsn switched to SP language at 0600 (Shinn CA 3/12)
- 6010 **MEXICO Radio Mil** Mexico City in SP 0440, relaying MW-XEOY, ID, fqys, E-mail, animated talk b/w OM/YL, pop vocal recordings (Ronda OK 2/23, Berg MA 2/17)
- 6055 **SPAIN REE** Noblejas in SP 0157, very nice mx at t/in, ID toh, nx, QRM (Montgomery PA 2/26)
- 6060 **CUBA RHC** Havana in EG 0631-0703*, various nx pgms with YL host, about 3 minutes of dead air after xmsn finished before carrier was cut (Shinn CA 3/12)
- 6065 **SWEDEN R Sweden** Horby in EG *2229, IS, ID, tlk re the local warm winter wx (Brouillette IL 2/18)
- 6070 **CANADA CFRX** Toronto in EG 0434, relaying MW-CFRB, long stream of ads incl one for a Ford dealership and a horticulture show, PSA on donating blood & Musc Dystrophy benefit (Wood TN 1/11)
- 61051v **BRAZIL R Cultural Filadelfia** in PT 0935, relig talk, quick promos, ID toh, fqy, ments of Filadelfia, best after WYFR s/off but still plenty of others stns competing for this channel (Berg MA 2/18)
- 6105 **JORDAN R Jordan** in AR 2134, call-in show re politics, very emotional callers, ments of "Death Squads" in Iraq, q-vg (CrislerSmith MD 2/19)
- 6115 **ALBANIA R Tirana** in EG 0250-0356, YL w/nx, nice ID 0249, tlks about the area, place to visit, sports pgmk, interludes of local mx in background b/w items, strong signal (Montgomery PA 2/26)
- 6150 **ROMANIA RRI** in EG 0146, YL w/tlks, local mx, pop tune, ID "Week in Review" (Montgomery PA)
- 6155 **CHINA CNR-2** Beijing in EG 1310-1348, "You are listening to English Evening on China Business Radio with Alan and Joy" and other features, //6065, 7140, 7245, fair reception (Howard CA 3/3)
- 6180 **RWANDA Deut Welle** relay Kigali in SH 0353, nx w/mentions of Tanzania and Saudi Arabia, Afro pop mx, s/off 0350 w/ID and IS, f-g (CrislerSmith MD 2/26)
- 6185 **MEXICO R Educacion** Mexico City in SP 0112-0147, vocals, IDs in SP/EG, promo for next pgm, tlk re artistic pgms, E-mail address, ballad (D'Angelo PA 2/25, Montgomery PA 3/10) in SP 0309, latest nx in the world of communication, cmntry on political/social condx in Mexico, ID, f (Ronda OK 2/26)
- 6188v **PERU R Oriente** Yurimaguas in SP 1105, ancmts, OA folk mx, ballads, ID, f-g (Alexander PA 3/3)
- 6195 **SINGAPORE BBC** relay in EG 1600-1659*, YL with World News, in-depth pgm about US troops in Japan, abrupt sign off, 40 Db over S-9 w/frequent fades (Chinn CA 3/12)
- 6612h **ZIMBABWE ZBC** Harare in Vernaculars 0115, spur of 3306 fqy, ID, nice African mx, complete ID and addresses in EG 0200, hi-life mx, lively call-in show w/happy DJ (Montgomery PA, Barbour NH, CrislerSmith MD) in Vernacular 0505, drums, pop mx w/talk overs (Evans TN 2/27)
- 7110 **ETHIOPIA R Ethiopia** Addis Ababa in Amheric 0435, drums and vocals, tlk b/w YL/OM, variety of very striking Euro-pop mx (Ronda OK 2/19)
- 7130 **THAILAND VOA** relay in EG 0030, news items, excerpts from various local plays and movies, interviews of various singers and actors (most needed translators), p-f (Montgomery PA 2/22)
- 7160 **THAILAND RTI** Udonthani in CH 1315, ancmnt at 1329 that CH pgm was ending, chimes 1330, ID and into pgm in Thai language, fair reception (Ronda OK 2/27)
- 7190 **TUNISIA R Tunis** Sfax in AR 0622, schmaltzy N African pop vocals, lots of strings over percussion, vg signal (CrislerSmith MD 3/12) in AR 0752, AR vocals, ID, nx, abrupt off 0808 (D'Angeli PA 3/3)
- 7230 **SLOVAK REPUBLIC RSI** in EG 0102, intro to 30 min pgm, ID 0105, sports items mostly like that of hockey games at the Olympics incl breakdown of games, exc reception (Montgomery PA 2/22)
- 7250 **VATICAN CITY Vatican Radio** in EG 0737, interview of woman author about Dab Brown's book "The DaVinci Code", pgm change into AR 0745, IS, fair (D'Angelo PA 3/3)
- 7270 **MALAYSIA Wai FM relay via RTM Kuching** in Iban 1400, on-air phone calls, starting calls with "Wai FM", nx, f-g (Howard CA 3/12, Herr CA 2/21)

- 7270 **EGYPT Radio Cairo** in EG 0207-0250, "Lie in Egypt" re musician who wrote Egyptian NA, ID 0240, news pgm, AR mx, fair with very muffled audio (Barbour NH 3/6, Ronda OK 3/11)
- 7285 **GERMANY Croatian Radio** relay via Wertachtel in EG 2315, ID, nx items, tlks re property rights by Croatians, sports nx, wx forecast, mx in local language, ham QRM at 2321 (Montgomery PA 3/5)
- 7300 **THAILAND R Thailand** Udon Thani in Khmer/EG 1116, OM w/tlks in language, string instruments, IS at 1128 w/EG ancmnt mentioning Khmer lang and Bangkok times, off 1129, fair (Barbour NH 2/27)
- 7320 **FRANCE R Tripoli** (Libya) relay via Issoudon in AR 0117-0227, ID, NA, nx read w/upbeat classical mx, sound bite of OM speaking live to a rally, short segments in FR/AR, multi-lang IDs in FR, EG, AR, nx re riot in Benghazi over Danish cartoons (CrislerSmith MD, Ronda OK, Taylor WI, Alexander PA) in EG 2220, ID, news, listed at this time in AR but hrd in EG, into AR 2225 (Montgomery PA 3/5)
- 7345 **CZECH REPUBLIC R Prague** in EG 2354, pgm about the local grape and wine industry, IS and IDs in several languages at 0000, good (Wood TN 2/26)
- 7455 **ALBANIA R Tirana** in EG 0330, nx re local politics, mx, poor, //6115 no better (Barbour NH 3/3)
- 7535nf **KAZAKHSTAN TWR India** relay in Assamese? 0013, continuous tlks by OM, ID and website 0028, Hindi-like mx bits at 0030 followed by more OM tlks, poor (Barbour NH 3/10) ED: Ex 7410?
- 7590usb **ICELAND AFRTS** relay via Keflavik in EG 2348, financial nx, discussions of credit reports and checking a/c's, ment difficulty women have in establishing credit, poor signal, interview w/singer, ID, NPR news, tlks re motion picture academy awards (Wood TN 2/25, Montgomery PA 3/5)
- 7600 **BULGARIA R Varna** in EG/BG 0158, EG pops mx by "Wham" at t/in, nx in BG re Iran and Iraq, ID in passing at 0210, fair (Barbour NH 3/6)
- 9330 **SYRIA R Damascus** in EG *2000, TC, fqy, pgm lineup, nx, cmntry 2024, Mideast mx bridges, "Press Review" 2028, reception best in LSB, //12085 (Delmage AB 3/4)
- 9335 **SRI LANKA Radio Farda** relay in Farsi 2100, ID, DJ playing Iranian pop rx with MTV-like program'g format, //7580, both fqys good (CrislerSmith MD 2/19)
- 9430 **GERMANY Christian Voice** relay via Wertachtel in EG 0503, pop rx, promos, ID (Caras ME 2/7)
- 9445 **INDIA AIR Bangalore** in EG 2223, soundtrack mx in HD?, ID, sked, fqys, good (Wood TN 2/18)
- 9535 **JAPAN R Japan** Tokyo in EG 1729, cmntry on education in Japan, Asian headlines w/current JP mx between segments, ID, sked and s/off 1800, fair (Taylor WI 2/12) in EG 1735-1800*, ID as "NHK World Network, Tokyo", interview of YL music artist who writes mx for video games and has a new song hit, ment changing fqy to 17825 for pgm in SP at 1800*, strong signal (Shinn CA 3/12)
- 9580 **AUSTRALIA R Australia** in EG 1335, nx pgm re sad history of Sudan and the camps at Darfar as part of the civil war that's racked Sudan, //9590 both fqys vg (CrislerSmith MD 3/2) in EG 1240, pgm on 16th century Irish woman pirate Grace Amolie, good, //9590 (Fraser ME 2/17)
- 9580 **GABON Africa #1** Moyabi in FR/EG 2110-2249, lots of studio chatter, IDs, Ray Charles mx, rap and hip mx in FR and EG, nx (Ronda OK, Taylor WI, Wood TN, Caras ME)
- 9605 **SEYCHELLES BBC** relay in EG 2142, gossip on the end of love affairs/friendships, IS, cmntry on whether E-mail or regular mail is better, drama re Mozart, classical mx, exc (CrislerSmith MD 3/15)
- 9615 **ALASKA KNLS New Life Station** in EG 1040-1059*, pgm re ministry to Mongolians, ID, fqys, TC, fair copy despite QRM from station in Korean lang (Herr CA 3/7)
- 9655 **ALASKA KNLS New Life Station** in RS 1635-1659*, preaching gospel to E Asia, ID, into "Yes, Jesus Loves Me", full ID at 1656 just before s/off (Caras ME 2/5)
- 9680 **USA R Taiwan Int** relay via WYFR Okeechobee, FL in EG 0216, brief mx, nx headlines, ID, mailbag, cmntry re Taiwanese movie that won a recent award, f (Bishop OH 3/7)
- 9690 **INDIA AIR Bangalore** in EG *1328, mx, ID, nx re visit by Pres Bush, good (Herr CA 3/4)
- 9710 **AUSTRALIA R Australia** in EG 1710, YL DJ with mx hits from Jamaica and Australia, interview with artist from New Zealand, sports nx, exc reception, //9580 (Shinn CA 3/12)
- 9710 **IRAN VOIRI** Kamalabad in Bosnian 2157, cmntry w/many refs to George Bush, nx, lute interludes, interview with "professor", vg (CrislerSmith MD 3/15)
- 9805 **THAILAND R Thailand** in EG 1920, news at t/in, stock mkt and business rpt, ID, feature "Bangkok Whereabouts", sports nx, s/off 1959 with IS and NA, vg (Delmage AB 3/11)
- 9830 **AUSTRIA AWR** relay via Moosbrunn in EG 2122-2129*, OM in accented EG w/relig tlks, IDs, gave South Africa PO Box address, mx to s/off, fair w/constant data QRM (Barbour NH 2/20)
- 9870 **NEW ZEALAND RNZI** in EG 1250, rpt on uncovering planned terrorist attack, g (Fraser ME 2/17)
- 9875 **LITHUANIA R Vilnius** Sitkunai in EG 0035, ID, YL w/nx items, wx rpt, tlks re improvements to power plant and nuclear power plant, good w/some fading (Montgomery PA 3/1)

- 9880 **KUWAIT R Kuwait** in AR 1856, ID toh, nx, light instrum'l mx and long tlks, fair, //9855 fair, 15495 poor, and 15505 good (D'Angelo PA 2/12)
- 9920 **PHILIPPINES FEBC** Manila in several Vernaculars 1235, lengthy talks b/w mx bits, YL at 1259 with contact info for "Manila, Philippines", IS 1300, fair (Barbour NH 2/28)
- 9965 **ARMENIA V of Armenia** Yerevan in EG/Vernacular 2021, YL w/cmtnry re Armenian/Azerbaijan relations, "Public Radio of Armenia" ID, contact info, into Vernacular 2030, fair (Barbour NH 2/21)
- 9990 **EGYPT R Cairo** in EG 2151, pgm re Egyptian-European interactions, items included guide books, mentions of Alexandria, and treaty b/w Italy and Egypt, noisy QRM, f-g (Wood TN 3/10)
- 11500 **SRI LANKA VOA** relay in Urdu 1752, call-in show, upset callers tlking over each other, mentions "911", and "Pakistan", also mention re Pres. Bush's recent visit, vg (Crisler-Smith MD 3/12)
- 11590 **ISRAEL Kol Israel** Tel Aviv in EG/FR 2000, "Weekend News Report", s/off EG xmsn 2025, IS for 5 minutes, then into FR lang, good (Delmage AB 2/11)
- 11615 **FRANCE RFI** Issoudon in EG 1715, nx re Ivory Coast elections, fair (Johnson NV 2/18)
- 11620 **INDIA AIR** Bangalore in EG 1751-1825, traditional SC mx w/sitar/tamboura/sarod, ID, nx toh, cmtnry and back to mx 1814, strong, clean signal (Comeau MA 2/13, Montgomery PA 3/12) in EG 2140, pgm on fashion, design, terrific signal (Paszkievicz WI 2/19) in HD 0057, SE Asian mx, ID 0100, into nx summary, back to SE Asian mx, poor (Taylor WI 2/24)
- 11655 **MADAGASCAR R Nederland** relay in EG 1806, feature re richer countries adopting poorer countries to help ease world hunger, e.g. Netherlands and Ghana, vg (Wood TN 2/26)
- 11690 **RWANDA Deut Welle** relay in EG *2100, IS, ID, rpt on India and Ivory coast, g (McGuire MD 3/2)
- 11690 **SOUTH AFRICA Radio Okapi** relay via Meyerton in FR 0510, interview, ID, jingle (Caras ME 2/16) in FR 0439, chatty DJ w/Afro pops, website, ID, fgy, YL banter, f-g (CrislerSmith MD 2/26)
- 11690 **JORDAN R Jordan** in EG 1630-1730, dance/hip hop mx, nx 1700, ID s/off ancmt 1726 but continued Bon Jovi tunes until carrier cut 1732 (Johnson NV, Ronda OK, Delmage AB)
- 11710 **ARGENTINA RAE** in EG 0200, mx segments, IS on piano, multiple IDs, short features, into FR pgm 0300 (Ronda OK 2/28, Paszkievicz WI 2/7)
- 11715 **SRI LANKA SLBC** Colombo in Sinhala 1819, trad S Asian mx, comical call-in show w/callers singing bits of mx and other callers offering feedback, f-g (Crisler Smith MD 3/15)
- 11725 **SOUTH AFRICA AWR** relay via Meyerton in EG 1816, E African nx, field rtps, ID (Caras ME 2/24)
- 11780 **BRAZIL R Nac da Amazonia** Brasilia in PT 0259, ID, nx: the economy, drug-related gang violence in the city of Salvador, ments "AIDS" and "homosexuality", promos, exc signal (CrislerSmith MD 2/26)
- 11860 **FRANCE V of Africa** (Libya) relay in EG/AR 1741, nx in EG at t/in, ID 1751, into AR lang at 1754, exc signal w/occasional fades (Montgomery PA 3/12)
- 11960 **ASCENSION ISLAND Star Radio** (Liberia) relay in EG 2125, Agricultural pgm: local agricultural agent talking abt the pros & cons of different kinds of rice, story about an OM who quit working diamond fields to work on a zero-tillage farm, fair (CrislerSmith MD 3/5)
- 11975 **SAO TOME VOA** relay in EG 2105, C&W rx w/YL DJ, "Jazz America" pgm, lots of good mx and cmtnry, nx headlines 2130 (Wood TN 2/17, Ronda OK 2/18)
- 12005 **ECUADOR HCJB** Quito in EG 1155, Adventures in Odyssey, ID, Hour of Decision (Fraser ME 2/18)
- 12025 **INDIA AIR** Panaji in Malayalam 1800, ID, cmtnry over traditional mx (vox, sitars, tables) mentioned "Mahatma Gandhi", "Taliban" and "Pakistan", fair (CrislerSmith MD 3/4)
- 12035 **UNITED ARAB EMIRATES TWR** relay in Tigray/EG 1816, tones to 1830, into church/orgn music and ID, fqys in EG, Horn of Africa mx at 1831, tlk in lang w/ment of "Christos" (Comeau ME 2/13)
- 12050 **EGYPT R Cairo** in AR 1912, traditional mx, promos for other pgms, into a very heavy (shouting, crying) "soap opera", exc (CrislerSmith MD 3/17)
- 12085 **SYRIA R Damascus** in EG 2121, nx re Israel's cutoff/freeze of funds to Palestine Authority to protest Hamas' anti-Israel stance, more US dead in Iraq, Danish cartoon protest in Turkey draws over 100,000, cmtnry re poor US response to Hamas' election victory (CrislerSmith MD 2/19, Montgomery PA 3/5)
- 12133usb **USA AFRTS** relay via Key West, FL in EG 2110, financial pgm on the use of leveraged investments (Wood TN 2/17) in EG 0200, sports pgm w/interview of Denis Rodman, ID 0028, world nx from ABC network, S-7 reception with some slight fades to noise floor but audible (Montgomery PA 3/1)
- 13765 **VATICAN CITY Vatican Radio** in FR 0610, OM hosting pgm w/field rtps, p. //11625 (Park HI 2/22)
- 13780 **SRI LANKA Deut Welle** relay in GM 1745, OM's in long low-key political discussion: mentioned "Nairobi", "Sudan", and "Iran", IS, ID, nx, field rpts, f-g (CrislerSmith MD 3/12)

- 15120 **NIGERIA V of Nigeria** Ikorodu in AR/EG *1629-2100*, s/on w/theme mx and pgm in AR, Koran recitations, into EG at 1659, nx at toh, Afro pops, nx again at 2000, fair signal strength but audio quality varied from g-vp depending on pgm (Alexander PA 2/25) in EG 1705 with nx about helicopter crash off Djibouti, cmntry re Zimbabwe/British relations, p-f (Johnson NV 2/18)
- 15140 **OMAN R Sultanate of Oman** Thumrait in EG *1404-1500, open carrier at 1400 but once again did not s/on until mid-way thru their EG nx bulletin, pop mx, chimes at 1500 and into AR pgming, strong carrier but very weak modulation with hum (Alexander PA 2/25) in AR 1545, tlks b/w two OMs, many ments of Iraq and Palestine Authority, Big Ben-type chimes 1600, ID, nx? (Ronda OK 3/6)
- 15285 **SOUTH AFRICA Channel Africa** Meyerton in EG 1742, YL w/tlk about social interactions b/w FR speaking N Americans and South Africans, poor (Wood TN 2/26)
- 15285 **SINGAPORE BBC** relay in CH 1357, kids show w/adults, jokes/laughs, kids even made station ID, IS, into nx read by YL, p-f (CrislerSmith MD 3/17)
- 15410 **UNITED KINGDOM Radio Farda** relay via Wooferton in Farsi 1623, AR mx, nx (Condoleeza Rice speaking), xmsn beamed to Mideast and Western Asia, f (Morrissey MA 2/28)
- 17630 **GABON R Africa #1** Moyabi in FR 1407, nx, field rpts, ments "Senegal", hip-hop style promos, web address, jingles, exc (CrislerSmith MD 3/17)
- 17895 **BOTSWANA VOA** relay in EG 1835, feature on "The African Beat" w/hi-life mx from Democratic Republic of the Congo. //11975 (Sao Tome), both good (CrislerSmith MD 3/17)
- 21640 **SAUDI ARABIA BSKSA** Riyadh in AR 1343, all call-in show, many ments of "Iraq", traditional mx interludes, f-g (CrislerSmith MD 3/17)

Clandestine/Opposition Stations

- 7110 **UNITED KINGDOM Radio Republica** relay via Wooferton in SP 0201, s/on in mid-sentence, quick ID, informative cmntry, Cuban jammer underneath, fair (Taylor WI 2/18, D'Angelo PA 2/13)
- 7160 **GERMANY Radio Republica** relay via Nauen in SP 0136, pgm or rather pleasant mx, ID 0200, signal about equal w/Cuban bubble jammer, fair (Taylor WI 2/14)
- 7205 **GERMANY Radio Republica** relay in SP 0144, two OMs talking until 0052, ID, start informativa at 0159 and s/off 0200, Cuban bubble jammer underneath throughout, fair (Taylor WI 2/18)
- 7310 **TAIWAN Voice of Hope** in CH 1320, tlks, IDs at 1327 and 1340, pgm annmnt, short tlk by YL, fade out began 1355 and off at 1400, good until f/out (Taylor WI 2/25)
- 7380 **SOUTH AFRICA Voice of Biafra** relay via Meyerton in EG 2148-2159*, OM announcer in heavily African accented EG, ments of homes being confiscated by govt agencies w/o compensation to the owners, tlk of Nigerian Supreme Court and the part of Nigeria most of the Justices come from, calls for the people to support a movement for an independent Southern Republic of Biafra, ID 2157 and gone at 2159, good reception (Wood TN 2/18)
- 9405 **GERMANY Voice of the Diaspora** (Gambia) in EG/Vernaculars *2000-2030*, s/on with local AF mx followed by s/on ancmnt in EG, ID, tlk about Gambia election results, some tlk in Vernacular, local childrens' chorus at s/off, f-g, Saturdays only w/half hour xmsn (Alexander PA 2/11)
- 11530 **MOLDAVA Voice of Mesopotamia** relay in Kurdish 1345, ID, cmntry over oriental flute, mentioned Turkey, Teheran, and Kurdistan, f-g (CrislerSmith MD 3/2)
- 11705 **MADAGASCAR Radio Voice of the People** (Zimbabwe) in EG 1705-1756*, talks, IDs, fqy, PO Box No. 5750, Harare, Zimbabwe address given many times during bcst, f-g (Alexander PA 2/11)
- 11840nf **RUSSIA Radio Free Southern Cameroon** relay via Armavir in EG *1800-1859*, ID, sked, choral NA, talk re freedom in southern Cameroon, Afro hi-life mx, local choral mx, ID again at 1858 followed by light instrumental mx to s/off, p-f in noisy condx, Sun only, move from 12130 (Alexander PA 2/26)
- 17660 **GERMANY Radio Waaberi** relay (Gambia) relay via Juelich in Somali 1320, adult singers fronting kids choir, string & percussion, ID, ID, Holy Quran recital, g-vg, Fri only (CrislerSmith MD 2/17)

Digital Reception

- 9655D **GERMANY Deut Welle** Wertachtel in EG 1300, nx, Concert Hour, S/N ratio abt 24 dB for this 14.5 kbps stream and a 5 kHz audio range (for classical mx) gave only 5-6 dropouts/min. (Brandi NJ 2/18)
- 13750D **VATICAN CITY VR** in EG 1237, "Melodies and Memories", tlk abt beating the doldrums, Billy Joel mx, ID, audio abt 50% on this 16.5 kbps xmsn, mostly unlistenable (Brandi NJ 2/16)
- 15735D **BULGARIA World R Network** via Sofia 1402, S/N ratio 12 dB, mostly unreliable recpn (Brandi 2/18)

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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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