

The **NASA** Journal

VOLUME XLIII NUMBER 4

APRIL 2003

The North American Shortwave Association

2003 William P. Eddings Award

Member of the Year

Wallace Treibel

*Presented this 8th day of March, 2003
at Kulpville, Pennsylvania on the occasion
of the 16th Winter SWL Fest.*

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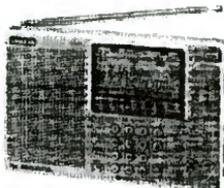
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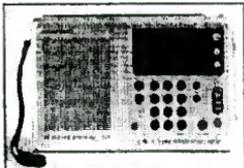
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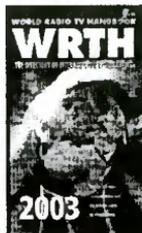
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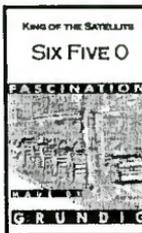
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By T. Baier. An exhaustive analysis of one of the finest portable shortwave radios ever made. With: Preface, History, Editions & Production, Versions, AGC/AGC Preselector, Hints & Mods, AM/FM Test Mode, FM-RDS PI PTY Mod, Buying A Second Hand, Box, It's Successor, Advertising, Booklets, Disassembling & Lithium Cell, Indicator and SSB adjustment, Owner's Manual, Service Manual with Schematics. Printed in Germany. ©2002. 60 photos 117 pages.

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Although there is always a year to plan for it, the Winter SWL Festival manages to sneak up on me the last minute. Before you know it, the event is over and the planning begins for another round. A great time was had by all at the NASWA sponsored 16th annual Winter SWL Festival co-hosted by Messrs. Cuff and Figliozi. Thanks to them and their superb supporting cast, this is North America's premier event for the radio listening hobby. As has become the custom over the years, the celebrations began early and ended late with about 230 hobbyists enjoying the weekend. As usual, the stories will be legendary and some may even be true. You need to be there to experience the full impact of this great gathering. Next year is a mere eleven months away. It's never too early to begin planning to attend in 2004. If you have never attended, what are you waiting for? I look forward to seeing you in beautiful downtown Kulpville for the 2004 Winter SWL Festival that will be held on 12 and 13 March 2004. Watch the *Calendar of Events* and catch the latest news in Rich Cuff's *Easy Listening* column.

Congratulations to **Wallace Treibel**, our dedicated *International Bands* column editor, who was selected by the Executive Council as the club's member of the year for 2003. At the Winter SWL Festival banquet, it was my pleasure to announce that Wally was the recipient of the *2003 William P. Eddings Award* in recognition of his devotion to duty over the years as a log report editor for the North American Shortwave Association. The selection of Wally Treibel by the Executive Council for this honor is well deserved.

Lee Reynolds, representing the Association of North American Radio Clubs, announced that **Harry Helms** was selected to be the recipient of the *2003 Don Jensen Distinguished Service Award*. The announcement was also made during the Winter SWL Festival banquet where Harry was recognized for his

role in publishing the ACE and other hobby related activities throughout the years.

The Ontario DX Association will hold its annual convention, **RadioFest 2003**, on 19–21 September 2003 at the Monte Carlo Inn in Oakville, Ontario, Canada. Friday evening starts things off with a Wine & Cheese Reception sponsored by CHWO, AM 740 - Prime Time Radio. Saturday's schedule includes items for sale from Durham Radio and others, displays, exhibits, speakers and the draw for Raffle 2003 with refreshments throughout the day sponsored by CFRB/CFRX. For more information, contact **Harold Sellers** at 905-853-3518/email: listeningin@rogers.com or Brian Smith at am740@rogers.com or by mail at: Ontario DX Association, Box 161, Willowdale Stn. A, Toronto, Ontario, Canada M2N 5S8. See the *Calendar of Events* for additional details and further updates. This should be a good one.

In a few short weeks, the Association of International Broadcasting (AIB) will hold its Global Media Business 2003 conference in London. The conference, which is scheduled for the 29th and 30th of April, brings together professionals from around the globe involved with international broadcasting. The keynote speaker is **Mark Byford** from the BBC. Also, **Jonathan Marks** from Radio Netherlands will be speaking. The Global Media Business 2003 offers participants an opportunity to debate the issues facing the broadcasting industry in the coming years. Hopefully, we will get a report direct from AIB after the conference.

The 15th edition of the *Australasian Shortwave Guide* (ASWG) with over 1400 entries, covering the international shortwave transmission period of 30 March 2003 through 25 October 2003 is now available. The ASWG is a detailed and accurate listing available in 36 pages, A5 format, saddle stitched. It provides comprehensive information of English

shortwave schedules to Australia, Asia, the Far East, the Indian sub-continent, and the Pacific, and for broadcasts in all languages to Australia and the Pacific. The data is arranged in two sections, by studio country and starting time. Each entry shows broadcasting organization, frequency, starting time, finishing time, language, target area, transmitter site, transmitter country, studio country, and days of operation. The new schedules of Digital Radio Mondiale (DRM) transmissions are included, as well as late breaking international broadcasting news. The ASWG is available for A\$10.00 to Australian addresses. For airmail delivery outside of Australia, US\$10.00/Euro 10 (or 10 International Reply Coupons). Payment may be in cash (Australian dollars, American dollars, Euros, or the equivalent in any other currency), Australian personal check, Australian bank check, Australian Money Order, International Money Order, International Bank Draft, Australian Credit Union check, Australian Building Society Check, or Australian mint stamps. All checks and orders must be payable in Australian currency, drawn on Australian banks, and payable to "Bob Padula". Payment can also be made via credit card using PayPal, using the E-mail link to bobpadula@bigpond.com. Please send your order to: Bob Padula, 404 Mont Albert Road, Mont Albert, Victoria 3127, Australia.

In the never ending battle of shortwave broadcasting vs. budget cuts the battle these days is in Austria where the ÖRF (the Austrian public broadcaster) is looking to eliminate the very popular external service of RÖI, Radio Austria International. Since the federal government ceased funding of RÖI at the end of 2001, the ÖRF has been responsible for the budget. With its goal of saving money, the ÖRF had proposed to slash Radio Austria International to nothing. A cross-section of concerned listeners has rallied in support of RÖI including our own *Easy Listening* Editor, **Richard Cuff**. Will Austria become another meaningless country without an international voice or will Radio Austria International be saved from extinction? The coming months should be very interesting. Watch the continuing developments in Rich's monthly column.

It was great seeing the *Scoreboard* column back in the *Journal* last month. Although 18 participants is a good start we really need more of the membership taking advantage of this service. The *Scoreboard* is a great way to track your own achievements over a period of years to see how you are progressing and to keep track of others in the club. It's a lot of fun. How about getting your *Scoreboard* information to **Gary Neal** (7410 Orchard Hills Lane, Sugar Land, TX 77479-6122, USA; e-mail: gneal@earthlink.net). Remember, Gary needs total countries heard and total countries verified and also the same information for each continent and best QSL from each continent since the column spotlights a different continent on a rotating basis. We are off to a good start but we need more participation for the *Scoreboard* column. Over the years, this column has been a favorite among NASWA members. Help keep the tradition alive.

The New Year continues to bring great DX news for weekly electronic *Flashsheet* participants. Edited by **Sheryl Paszkiewicz**, spasz@dataplusnet.com or P.O. Box 716 Manitowoc, WI 54221-0152, the *Flashsheet* has seen a lot of exciting DX reported recently. Our 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 members. Deadlines are posted in the *NASWA Flashsheet* each week. If you are a current member of the club and want to receive the electronic *NASWA 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.

Remember to please direct all communications about subscriptions, bulletin delivery issues, etc. to **Bill Oliver** at the club's Levittown address or to his electronic addresses, weoliver@worldnet.att.net or naswa@anarc.org. The regular postal address is the familiar 45 Wildflower Road, Levittown, PA 19057. Inquires sent directly to me in 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

- Apr 18 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcscpk@aol.com.
- Apr 18 Meeting. Boston Area NASWA Chapter.** The Boston Area DXers have found a new location for meetings. Inquiries about the BADXers may be sent to Paul Graveline at 978-470-1971 or Internet: ctreditor@aol.com. The URL for the BADX guys is <http://www.anarc.org/naswa/badx/>
- Apr 29-30 Conference. Association of International Broadcasting (AIB)** will hold its annual Global Media Business Conference at the Royal College of Surgeons in Lincoln's Inn Fields in London, England on 29 and 30 April 2003. The conference will cover four broad areas - audiences, content, technology and finance. Additional information is available from AIB, P. O. Box 990, London SE3 9XL, England or register@aib.org.uk.
- May 10 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 <radiuscan@siscom.net>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- May 16-18, 2003 Annual General Meeting ("AGM") and DX Camp.** The Danish Shortwave Club International will hold its **AGM and DX Camp** at Vejers Beach, Denmark on 16-18 May 2003. Further details will be published, as they become available.
- Jun 27-29, 2003 Convention.** The 40th annual **IRCA Convention** will be held on 27-29 June at the Best Western Merry Manor Inn, 700 Main Street, South Portland, Maine 04106. Call 207-774-6151 to secure your club rate of \$69.00 per night. Registration fee is \$35.00 payable to Mike Sandburn, Box 1256, Bellflower, CA 90707-1256. Questions can be directed to Mike at the above address or mikesandburn@hotmail.com
- Aug 13-17, 2003 Convention.** The Rhein-Main-Radio-Club will host the 2003 **European DX Council Conference** in the Frankfurt, Germany area on 13-17 August 2003. Further details will be published, as they become available.
- Sep 5-8, 2003 Convention.** The **National Radio Club** will hold its annual convention celebrating its 70th year of operation on Labor Day Weekend, 5-8 September 2003 at the Holiday Inn Select DFW in Irving, Texas. Rates are \$69.00 per night. Convention registration is \$45.00. The host committee consists of John Callarman, Bill Hale and Wally Wawre. Further details will be provided as they become available.
- Sep 19-21, 2003 Convention. The Ontario DX Association** will hold **RadioFest 2003** on 19-21 September 2003 at the Monte Carlo Inn, 374 South Service Rd. E., Oakville, Ontario, Canada L6J 2X6 (Tel: (905) 849-9500, Fax: (905) 849-6405, E-mail: reservation@montecarloinn.com and Web Site: <http://www.montecarloinn.com/oak.htm>). For more information, contact Harold Sellers at 905-853-3518/email: listeningin@rogers.com or Brian Smith at am740@rogers.com or by mail at: Ontario DX Association, Box 161, Willowdale Stn. A, Toronto, Ontario, Canada M2N 5S8
- Sep 2003 Contest. 2003 Adventist World Radio "Wavescan" DX contest** is scheduled to run during the month of September. Listeners will be asked to submit a list of unique QSLs (QSLs that you own that you consider no one else in the world has). Once in a lifetime frequency usage, emergency broadcasts, emergency transmitters, transmitter on wrong frequency, mistaken frequency entry, harmonic radiations, etc, etc? Full details to follow later in 2003.

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

FRENDX: Twenty Five Years Ago (April 1978)

In the *Headquarters Report*, Mac Leonhardt noted that Radio Canada International would host the 1978 ANARC Convention in Montreal with Ian McFarland as Convention Chairman. Don Erickson was talking WRTH orders for \$9.50 postpaid. In the *Shortwave Center*, Mike Martin wrote about a Minnesota DXpedition while Dan Gallagher wrote "The Beginner's Guide to Latin and South American DX." Larry Magne wrote about the latest WARC-79 (World Administrative Radio Conference) FCC meeting in Vienna, VA where possible sharing of the tropical 60-meter band was discussed. In Log Report Section A (1601-4900 kHz) editor Dan Robinson shared his good fortune of finally logging Cook Islands on 5,045 kHz. In *Frendx Credits*, Greg Ravenhorst noted that 109 reporters contributed this month. Bill Oliver noted in his *Publisher's Page* that Mrs. Grete Osmundsen in Norway was surveying the clubs to determine the number of woman DXers and encouraged all female NASWA members to contact her.

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.

Wallace C. Treibel <Nwhikers@msn.com>, 357 N. E. 149th Street, Shoreline, WA 98155

Thanks for your notice that I was selected as NASWA's Member of the Year. That's really neat. I regret that I wasn't able to attend the Kulpville get-together but I've been apprehensive every time I'm tempted to be there that the weather in early March is too dicey a risk all the way from the far Northwest. It's great that there was such a good turnout, though, and I'm looking forward to receiving a snapshot or two from one of you guys back in PA. Bob Montgomery sent me a couple taken at the last DXpedition where you all sat underneath the NASWA banner.

It's hard for me to believe but I've been crankin' out the International column for nearly 20 years now. Oh Lord, I remember the days when I typed the thing up on an electric typewriter complete with 5 carbons. Every time I made a mistake, I just about flipped out. My wife said we need a computer in order to avoid any possible heart attacks and getting one really saved my bacon. How we ever got along without Microsoft Word and E-mail, I'll never know.

Best regards to you and the rest of the gang back there —Wally Treibel

Thomas Mooningham <lunarpig3@wmconnect.com>, 18541 Maugans Av., Hagerstown, MD 21742

Just a thought, in the *Journal* there is a column on NASWA 25 years ago...well why not offer a certificate for 25 years membership in NASWA (a nominal fee could be charged for those who want it) and list those members in the *Journal*—I am one of those and as a "certificate chaser" would like the opportunity to have a 25 Year Certificate.

Thanks, Tom

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

The 16th annual Winter SWL Festival in beautiful downtown Kulpsville is now history with well over 200 radio enthusiasts enjoying a weekend of hobby fun. Congratulations are in order for Rich Cuff, John Figliozzi and the entire supporting cast for another great event. The Saturday evening banquet was packed. For me a considerable part of the thrill was the appearance of the professional monitoring team assembled by IBB. Many of the monitors are well known in the DX community. Thanks go out to Bill Whitacre who coordinated this with an IBB meeting in Washington, DC. This made the 2003 Fest the most international of any prior Winter SWL Festivals.

As usual, I spent much of my time at the club table where I got to meet and greet many of our members. This is one of the highlights for me of any gathering. Once again, Ed Mauger did a superb job manning the NASWA table signing up new members, taking renewals and selling sample bulletins. We plan to have *Company Store* merchandise available for purchase at next year's Winter SWL Festival.

There were plenty of great forums to occupy one's time but I especially enjoyed the session where Victor Goonetilleke of Sri Lanka hosted a panel discussion of how the IBB monitors go about their business. Each of the IBB monitors described what they do, how they do it and their background in DXing. Monitoring is a grueling 10-hour listening day, three days a week with much detailed technical reporting a part of the monitoring task. It was a very interesting session.

The international representation made this year's Winter SWL Festival an "out of the ordinary" event. On a personal level, it was a wonderful for me to see and talk once again with Victor who was in Kulpsville two years ago and having time to shoot the DX breeze with members of the IBB team. It was truly a rewarding experience.

Next year's Winter SWL Festival will be held on March 12th and 13th. It's never too early to begin planning your trip to Kulpsville.

73, Rich

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Bob Montgomery** (Address: P O Box 1458, Levittown, PA 19058). He will forward them to the appropriate editor. Remember, Bob also distributes QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: RMonty3@worldnet.att.net.

NASWA

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

Special Report: A Weekend to Remember

The 16th Annual Winter SWL Festival

By Richard A. D'Angelo

On the 7th and 8th of March 2003, shortwave enthusiasts from around the world gathered once again in beautiful downtown Kulpville for the 16th annual Winter Shortwave Listeners Festival. This year saw a dramatic increase in turnout, approximately 230 paid registrants with 184 present for the Saturday evening banquet, making this the second most attended Winter SWL Festival in history. Scattered throughout this article will be pictures of many of the participants of this year's extravaganza.

A big part of the excitement was the appearance of the International Broadcasting Bureau ("IBB") professional team of worldwide monitors, many of who are well known international DXers. Bill Whitacre coordinated an IBB monitors meeting in Washington, DC of his worldwide team with the Winter SWL Festival weekend making this possible. This made the 2003 FEST the most international of any prior events with twenty countries (US, Canada, UK, Sweden, Finland, Slovakia, Netherlands, Ghana, India, Sri Lanka, Australia, New Zealand, Japan, Russia, Ukraine, Switzerland, China (Hong Kong), Uzbekistan, Bahrain, and the Republic of Georgia) and twenty-seven US states represented. The 25-person IBB group consisted of Bill Whitacre, Robin Viegas (India), Timo Toro (Finland), Danny Tong (Hong Kong), Craig Tyson (Australia), Vlad Titarev (Ukraine), Umesh Shanoy and Sapan Shenoy (India), Alex Pashov (Russia), Anurag Parashar (India), Isaac Neizer-Gyentefie (Ghana), Arto Mujunen (Finland), Mikhail Mejlumov (Uzbekistan), Samuel Matamari (Bahrain), Patrick Lam (Hong Kong), Marina Gukasova (Georgia), Victor Goonetilleke (Sri Lanka), Graeme Dixon (New Zealand), Bengt Dalhammar (Sweden), Alok Das-

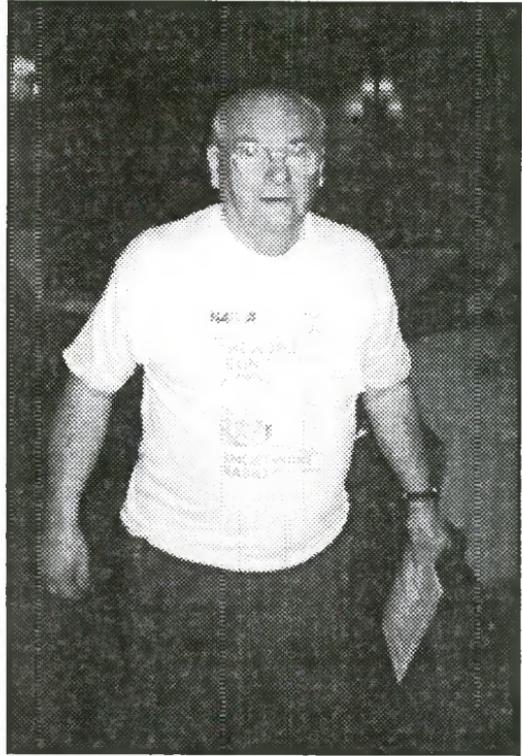


Figure 1. Bill Oliver

gupta (India), Feodor Brajnikov (Russia), Alexander Beryozkin (Russia), David Asare-Bediako (Ghana), Igor Ashikhmin (Russia), and Mauno Ritomo (Finland).

For the most part, the club sponsored Winter SWL Festival is known for combining the best elements from radio conventions held over the years as well as inventing many of its own fundamentals. First, the program. Each year Rich Cuff and John Figliozzi seek out the latest developments in technical and programming areas. The program, organized as a series of forum sessions, is the glue that holds the weekend together but the agenda isn't the only aspect of this special gathering that makes the Winter SWL Festival so appealing.



Figure 2. Dan Ferguson

The second element is a central meeting room, "the Ballroom," where the clubs and vendors set up shop for the weekend. It is here where the NASWA club table can be found, where books, publications and radios can be bought, where station and other hobby related literature can be distributed, and where friendships can be made and renewed. This is where many folks hang out between forums and sometimes during forums.

The Ballroom is the main social venue during the daylight hours.

The third element is the hospital-ity room. Manned by Mike Wolfson, here is where the after hours crowd hangs out swapping stories while engaging in adult beverages, soft drinks and munchies. This is where tired, worn out shortwave listeners become happy campers.

The fourth and final element is tradition. A big part of the tradition is the midnight ride of Pancho Villa on shortwave and FM. Señor Villa is a remnant of the first Winter SWL Festival held at the beautiful, and since torn down, pink and purple room Pancho Villa Room at the Fiesta Motor Lodge, which was marked by a shooting in the motel's restaurant. As best we can tell, no one from our gang was involved. Ever since that first year, a special broadcast featuring Pancho Villa has mysteriously taken place at midnight Saturday. The actors and producers of that broadcast have long remained a mystery and each year another broadcast "just happens." It's Pancho's annual ride which lasts only five to ten minutes, and generally has Pancho invoking the names of longtime shortwave hobby observers and somehow getting mixed up in



Figure 3. Mike Wolfson



Figure 4. Toshi Ohtake

some topical world event. Pancho has run across the likes of Saddam Hussein, Monica Lewinsky, and Beavis and Butt-head (from the MTV series) over the years. Sure enough, Pancho resurfaced again this year, helping search for weapons of mass destruction in Iraq. I suspect Pancho's midnight ride will outlive all the FEST participants.

After sixteen years, the Winter SWL Festival is as much a reunion of radio enthusiasts as it is a radio convention. There are many "regulars" having seen "action" in multiple FESTs. There are about a dozen that have made every one of these annual pilgrimages out of the original 40 something that attended the first occurrence. However, we see many newcomers and this year we experienced a lot of new faces that we hope to see again and again in coming years. Over time the newcomers become the veterans which makes the event a familiar one to one and all. However, the opportunity to meet new people and attach a face to a name that has appeared in the Journal makes for some good times. The Winter SWL Festival provides participants an opportunity to meet our club editors and staff, in addition to meeting

broadcasters and magazine editors. This year Rachel Baughn of *Monitoring Times*; Bob Zanotti, recently retired from Swiss Radio International; Jeff White of WRMI; Pete Miller of Radio Slovakia International; Kim Andrew Elliott from the Voice of America; and Allan Weiner

from WBCQ were at this year's gathering. All our broadcaster guests frequently tell Rich and John that they "enjoy the opportunity



Figure 5. George Zeller

of one-on-one dialogue they rarely have the opportunity to experience first-hand."

So, what is a typical day like at the Winter SWL Festival? A good question although no one-day is typical for each year brings important but subtle changes.

The crowd begins to descend on the tiny metropolis of Kulpville on Thursday. There is a lot of preparation work that needs to be done "on site" to have things cooking first thing Friday morning. Registrations packets need to be prepared, last minute on site arrangements finalized with the hotel, antennas run out along the roof of the Best Western for audio and video demonstrations, and a host of other mundane, but important, details. Many of the veteran attendees also begin arriving on Thursday to renew acquaintances.

The official action commences Friday morning at 0730 when the registration table opens for business. At 0815 Messrs. Cuff and Figliozzi greet everybody with the first of the weekends forums beginning at 0830. Throughout the day, various forums are held in the Oslo/Copenhagen Room while the Stockholm Room provides a round the clock arena for live demonstrations, club tables and informal gatherings to discuss radio with other radio folks.

One of the major highlights this year was the demonstration of the Digital Radio Mondiale (DRM) broadcast technology. Kim Andrew Elliott (Voice of America) and Andy Sennitt (Radio Netherlands), arranged to have DRM-encoded transmissions beamed towards Kulpville—talk about your major broadcast target areas! Perhaps Kulpville will soon qualify as an ITU zone—from morning to night for the duration of the Winter SWL Festival. There were several receiver and personal computer-based decoder setups operational to demonstrate the technology. After Ralph Brandi solved a sound card problem, the quality of the audio improved markedly. DRM promises to deliver near FM quality

broadcasts over shortwave, if successful, using only 25% of the power regular shortwave transmissions use. As Rich Cuff noted, "Unlike traditional analog shortwave, DRM either sounds great, or is silent—there is no in-between capability. It's one thing to listen to the audio clips available on the DRM website, but it's quite a thrill to hear the BBC World Service on shortwave targeting North America in high-quality audio." Will DRM be our future? Only time and technology will tell.

Long time club member and former editor Dan Henderson discussed his travels to Western Australia where he had an opportunity to sample interesting DX signals. He heard lot's of interesting stuff and played many audio clips of his catches to share with the audience including some Indonesian signals, AIR regional stations and Radio Sakhalin in single side band on 11840 kHz. Next on the horizon for Dan is a trip to Mauritius in 2004 and a visit with well known DXer Mahendra

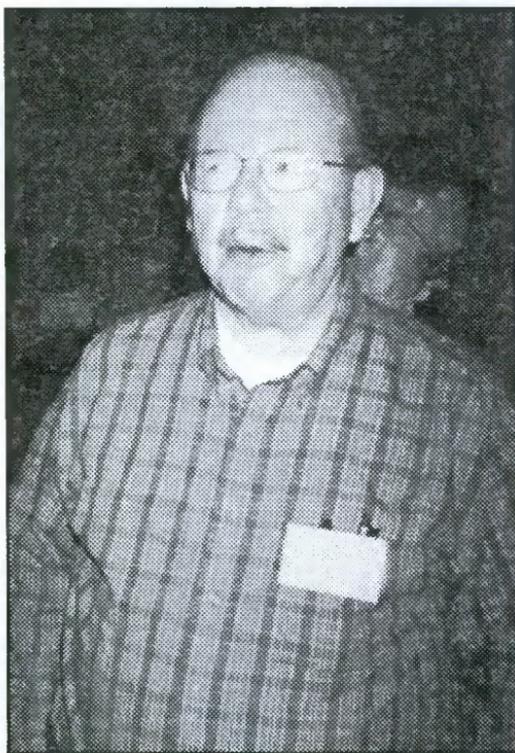


Figure 6. Dan Henderson

Vaghee. That should make for an interesting forum next year.

Victor Goonetilleke of Sri Lanka hosted in a very interesting panel discussion of how the IBB monitors go about their business. Other panel participants included:

Alok Dasgupta, Alexander Beryozkin, Mikhail Mejlumov, Umesh Shanoy, Robin Viegas, Igor Ashikhmin,



Figure 7. The IBB Monitors Panel

Graeme Dixon, Feodor Brajhnikov and Vlad Titarev. Each described what they do, how they do it and their background in DXing. We even got to see shack photos of a few of the monitors giving us a feel for their listening environment where a Sangean ATS-909 receiver seems to be the monitors choice for their field work. Generally speaking, the monitors experience grueling 10-hour listening sessions three days a week with much detailed technical reporting a part of the monitoring task. It was a very interesting session because of its content and the very international flavor of the panel.

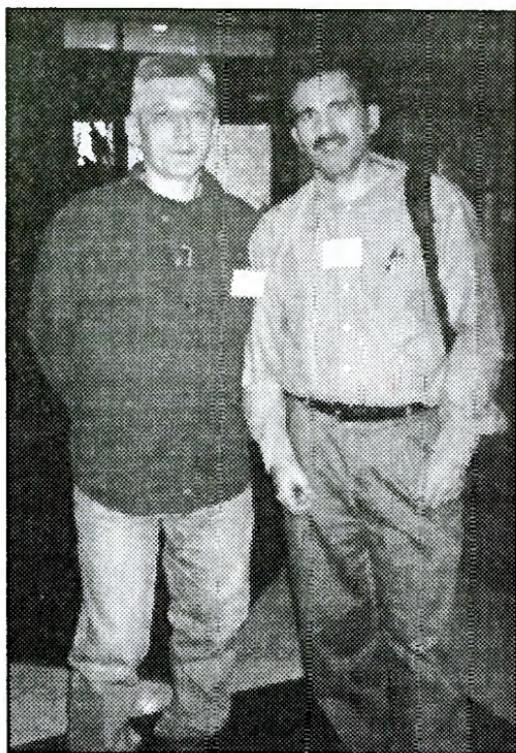


Figure 8. Vlad Titarev and Rich D'Angelo

I think the international representation made this year's Winter SWL Festival a special event. It was a great pleasure for me to see and talk once again with Victor Goonetilleke who was in Kulpsville a few years ago. Meeting Vlad Titarev and Mauno Ritomo of Finland for the first time was another special event for me. We were able to spend about 90 minutes just talking about our hobby, checking out computer programs for the hobby and just shooting the DX breeze prior to Saturday evenings banquet festivities.

Here is a summary of all the forums to give you a flavor of what the program looked like this year. The first forum on Friday featured Sheldon Harvey and Alan Bosch with "Can Shortwave Still Generate Enthusiasm?" This was followed by George Zeller who once



Figure 9. Jeff White (right) interviews Sheldon Harvey

who once again hosted a forum about unofficial, unlicensed radio, "Pirating the Airwaves." Friday morning closed with Jan Peter Werkman and James Briggs giving a primer on DRM. After lunch, Finland's Risto Vahakainu, a FEST regular, gave a report of the 2002 European DX Council Conference held last summer. Our buddies, the Scanner Scum hosted the next forum discussing the ins and outs of scanning. Uncle Skip Arey led the discussion. Finally, Friday afternoon closed with Al Janitschek of Radio Free

Asia talking what his station is and what it does.

Although dinner was on your own, there were some evening activities. A Friday evening tradition is the Swap Meet where anything can be traded or sold. This is the Winter SWL Festival version of eBay, which existed way before eBay hit the radar screens. New this year were Friday evening forums. Al Johnson hosted "DXing: How to Do It and How to Enhance It." Skip Arey returned to

provide "An Informed Intro to Amateur Radio." These new forums on a Friday evening were well received.



Figure 10. Ed Mauger and Dan Cashin man the NASWA table

Despite all the Friday activity, the real action is Saturday. This is one long day filled with lot's to do. Several of Saturday's forums seemed to capture the



Figure 11. George Maroti, Arto Mujunen, John Sgrulletta, and Dan Henderson

exotic flavor of shortwave listening particularly well. The morning began with Dan Henderson's "DXing from Western Australia—A Travelogue" forum. After Dan's forum, the Silent Auction began which ran to 1615. This year over \$800 was raised for The Chapel of Four Chaplains. Adventist World Radio's Adrian Peterson talked about his many and varied radio experiences on "Wandering the World with a Radio." A light lunch followed consisting of salad, a pizza buffet (cheese, pepperoni, sausage and mushroom) with great desserts. Okay, maybe it wasn't that light a lunch but it was good. Luncheon speaker, Arto Mujunen of IBB talked about "Organizing the Shortwave Spectrum."

Two forums rounded out the afternoon



Figure 12. Mark Fine and Bob Montgomery

with the IBB Monitoring Panel providing insights into their role in international broadcasting. Tech Topics editor Joe Buch spoke about "'WWII, Propaganda and Radio'" to round out the formal presentations. A mad rush to the silent auction saw the usual last minute jockeying to bring home a treasure or two... many of which we will see again next year on the auction block. Another tradition!

The banquet rounded out the weekend festivities. This is the last of the structured activities blending a social setting with good food, awards presentations, lot's of fun and a prize raffle that featured the Palstar R30 receiver with Murata filters, the ICOM IC-R75 receiver with DSP module and the Ten-



Figure 13. George Zeller and his expedition boxer shorts

Tec RX-350 receiver. Maryanne Kehoe hawks raffle tickets right up until the prize drawings. James Briggs of Merlin commented on the weekend's DRM demonstration project. Our hard working, dedicated International Bands editor, Wally Treibel, was selected by our Executive Council as the club's member of the year for 2003. It was my distinct pleasure to announce the 2003 William P. Eddings Award after dinner in recognition of Wally's devotion to duty as a log report editor for many years for the North American Shortwave Association. Harry Helms was named the recipient of the Don Jensen Distinguished Service Award for his role in publishing the ACE and other hobby related activities throughout the years. Lee Reynolds made the

of our usual annual contingent of Finnish shortwave listeners. The hospitality room is where Mike Wolfson keeps everyone relaxed with food and drink. This is where informal conversations often last into the wee hours of the night.

The Grand Raffle is the final event and it's a major activity and highlight, especially for those that leave Kulpville with brand new communications receivers. George Zeller was

announcement on behalf of the Association of North American Radio Clubs.

During the banquet John Figliozzi announced that the hospitality room would be renamed for the duration of the Winter SWL Festival as the Helsinki Room in honor



Figure 14. Prize elves Ralph Brandi and Rich Cuff, MC George Zeller, and prize elves John Figliozzi and Alan Johnson

the master of ceremonies for this event. Once again, George wore his special goggles while announcing the prize winners. And, once again, George was reminded of the time he torn down Ed Mauger's long wire antenna at a French Creek DXpedition with a

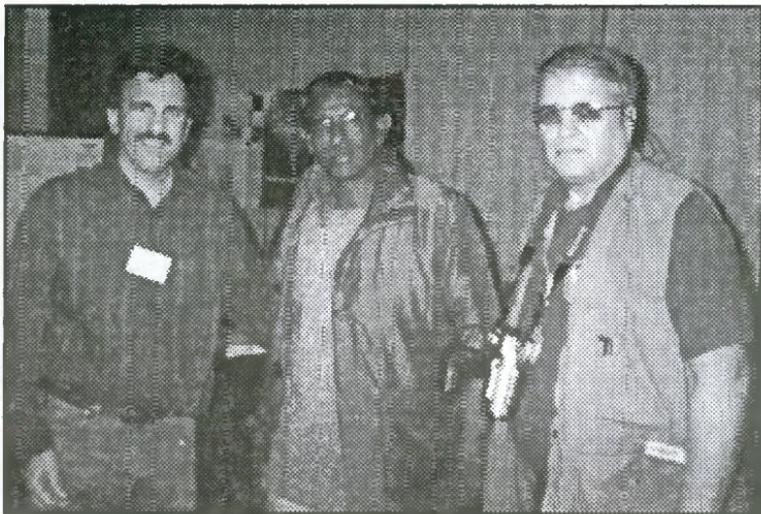


Figure 15. Rich D'Angelo, Victor Goonetilleke, and Tom Sundstrom

pair of photographically enhanced boxer shorts (the picture featured George holding a big, useless ball of antenna wire). The 2003 Winter SWL Festival wouldn't be complete without thanking the many manufacturers, individuals and suppliers that contributed to the event. Among the participating vendors were Universal Radio, The Shortwave Store, Grundig/Lextronix, Radio HF, Radios4You.com, Grove Enterprises, Association of International Broadcasting, C. Crane

Company and NASWAN Jill Dybka. Without this participation, the raffle drawing wouldn't be the same.

Also, the 2003 Winter SWL Festival wouldn't be complete without me, on behalf of the Executive Council and the entire membership as well as the radio community at large, thanking the many NASWA members that make this thing happen: Co-chairs Rich Cuff and John Figliozzi, Mike

"Mr. Hospitality" Wolfson, Maryanne "Ms. Raffle" Kehoe, Tracy "Mr. Satellite" Woods, Ed Mauger, Bill Bergadano, Bill Plum, Alan Johnson, and Ralph Brandi. This team does such high-quality work, I sense lifetime employment as FEST arrangers of forthcoming Winter SWL Festivals.

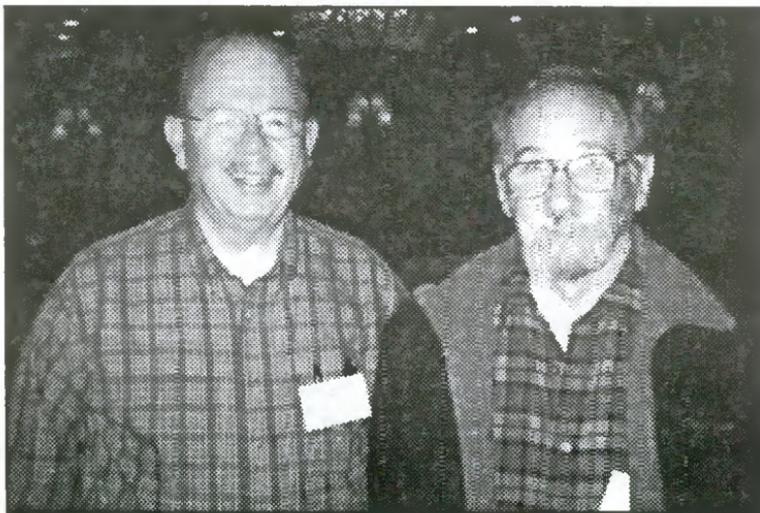


Figure 16. Dan Henderson and Ben Hester

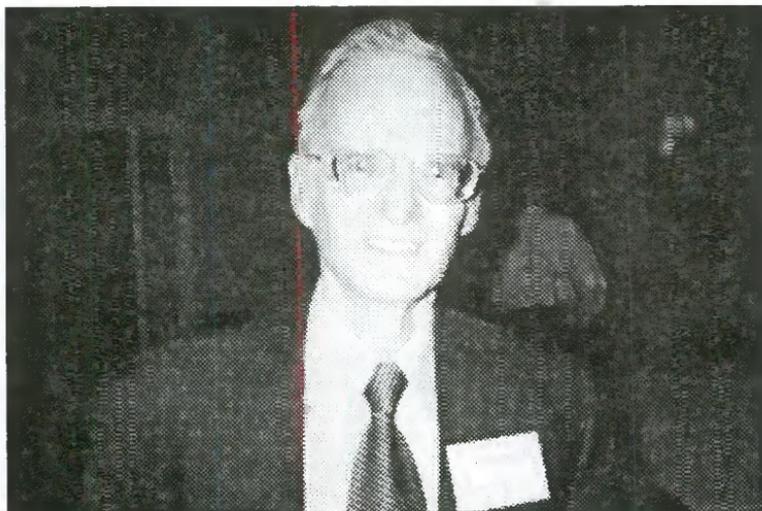


Figure 17. Dr. Adrian Peterson of Adventist World Radio

There was one very sad note this year. The Kulpville Kitchen, the restaurant across the street from the hotel, closed its doors for the last time in June 2002, the victim of a highway construction project which made it difficult for traffic to get to the restaurant. It was a diner, particularly popular at breakfast time, and of note to many for its Chicken Croquettes. It seems our Canadian guests were particularly enamored with these creations. One year the Canadian DX

Club invited their favorite waitress to our Saturday evening banquet. The Kulpville Kitchen, another FEST tradition for many, was missed.

Next year's Winter SWL Festival will be held on March 12th and 13th. I look forward to seeing you there. You can usually find me at or near the NASWA table when I'm not attending a forum. Stop by and say hello!

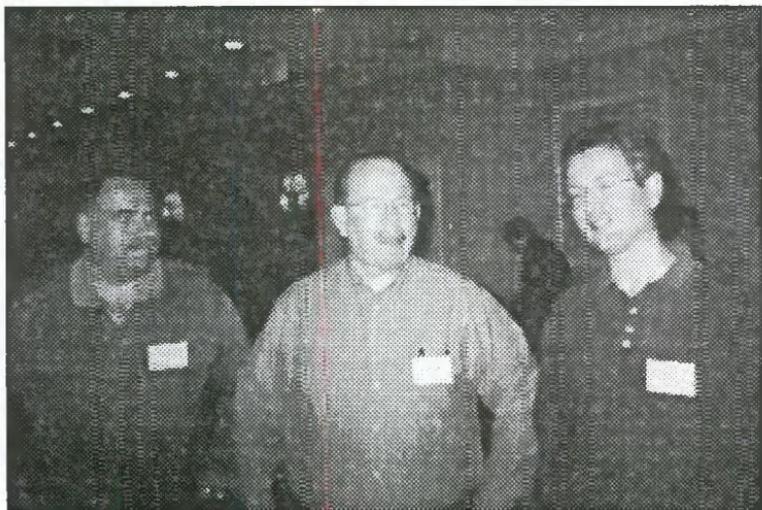


Figure 18. John Sgruletta, Dan Henderson, and George Maroti

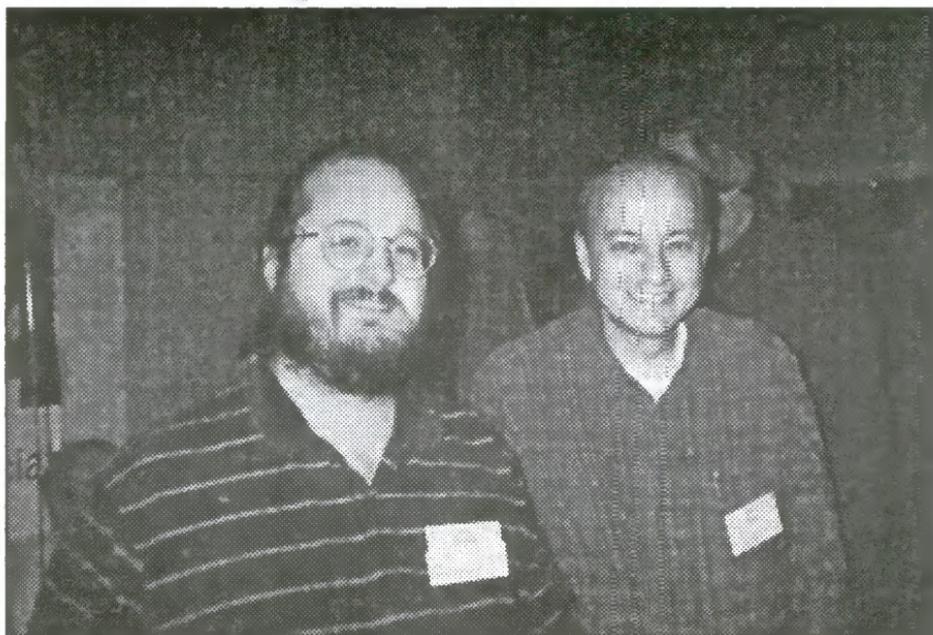


Figure 19. Ralph Brandt and Gary Neal

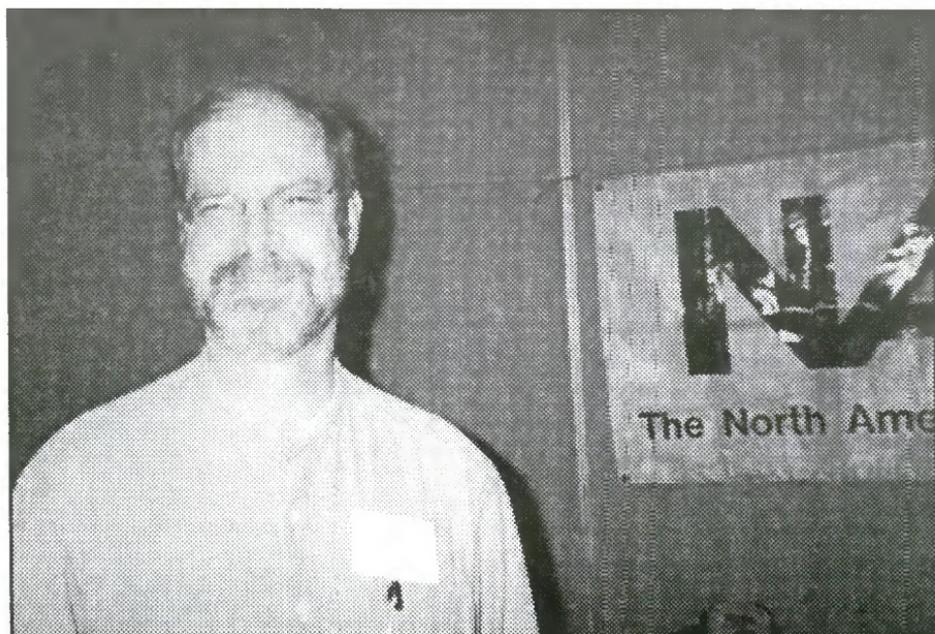


Figure 20. Alan Johnson

Easy Listening

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

Wartime Shortwave Programming

The benefits of access to shortwave during wartime have been indirectly highlighted by many news outlets since the start of Gulf War II. One of my favorite public radio programs, *Marketplace*, interviewed the dean of the Annenberg School of Communications at the University of Southern California, who emphasized how important it is to be an active media consumer, not a passive media consumer, during wartime.

The unpredictability of the war renders program planning very difficult—especially when you consider that the week-end of March 29th is the beginning of the A-03 season for most broadcasters. This is one reason you should use Internet-based resources as supplements to the *NASWA Journal* to obtain the most up-to-date information on broadcasters and their plans.

Most international broadcasters—particularly those for whom English is not the local language—have not made significant changes in their programming beyond perhaps an extended newscast, or focusing their current affairs program on the war. You might find the perspectives of **Radio Prague**, **China Radio International**, or the **Voice of Russia** to be worth a listen.

Here is how the major international broadcasters are planning their coverage going into April, presuming there are no sudden changes in developments:

BBC World Service

The BBC has been in a “rolling news” format since the war began; they planned to begin introducing feature programs as of midnight UT on 3/29/03. Feature programs will be sparsely added, and will appear only the second half-hour of each hour. They will be shortened slightly to allow for a sports wrapup or listener SMS feedback on the war.

Sportsworld will air in its usual time slot, but the first 20 minutes of each hour will be given over to news coverage.

For now, at least, here’s what you can expect:

Weekdays

- 0000–0832: News coverage
0832: Mon–*Documentary 1*, Tue–*Masterpiece*, Wed–*Documentary 2*, Thu–*Assignment*, Fri–*Sports International*
0855–0900: Sports news
0900–0932: News coverage
0932–0955: Mon–*Health Matters*, Tue–*Go Digital*, Wed–*Discovery*, Thu–*One Planet*, Fri–*Science in Action*
1000–1132: News coverage
1132–1200: *Outlook*
1200–1532: News coverage
1600–1732: News coverage
1732–1800: *Outlook*
1800–1932: News coverage
1932–1955: Mon–*Health Matters*, Tue–*Go Digital*, Wed–*Discovery*, Thu–*One Planet*, Fri–*Science in Action*
1955–2000: SMS messages
2000–2132: News coverage
2132–2155: Mon–*Documentary 1*, Tue–*Masterpiece*, Wed–*Documentary 2*, Thu–*Assignment*, Fri–*Sports International*
2155: Sports news
2200–2400: News coverage

Weekend (tentative)

News coverage except for:

- 0032–0045: Sat–*World Business Review*, Sun–*Global Business*
0045–0055: Sat–*Analysis*, Sun–*Global Business*
0232–0255: Sat–*Assignment*, Sun *Agenda*
0332–0345: Sat–*World Business Review*, Sun–*People & Politics*

0345-0355: Sat-*Analysis*, Sun-*Letter From America*
 0432-0455: Sat-*Assignment*, Sun-*Global Business*
 0530-0545: Sat-*World Business Review*, Sun-*Agenda* (to 0555)
 0545-0555: Sat-*Letter From America*
 0645-0655: Sat-*People & Politics*
 0732-0745: Sat-*World Business Review*, Sun-*Global Business* (to 0755)
 0745-0755: Sat-*Analysis*
 0930-0945: Sat-*Assignment* (to 0955), Sun-*People & Politics*
 0945-0955: Sun-*World Business Review*
 1145-1155: Sat-*Analysis*, Sun-*Letter From America*
 1406-1455: Sun-*Talking Point*
 1420-1455: Sat-*Sportsworld*
 1520-1600: Sat-*Sportsworld*, Sun-*Assignment* (1530-1555)
 1620-1655: Sat-*Sportsworld*, Sun-*Sunday Sportsworld*
 1732-1745: Sat-*World Business Review*, Sun-*Global Business* (to 1755)
 1745-1755: Sat-*People & Politics*
 1932-1945: Sat-*World Business Review*, Sun-*Global Business* (to 1955)
 1945-1955: Sat-*Letter From America*
 2230-2255: Sat-*Agenda*
 2330-2355: Sat-*Assignment*

Many US public radio stations have increased their pickup of BBC World Service news coverage, especially from the mid-evening through 5 or 6 AM local time.

The principal mission of the BBC World Service is to report news internationally, so this is the reason that music and drama are largely preempted.

Germany

Unfortunately *Deutsche Welle*—excuse me, DW-Radio—still is choosing to abandon shortwave to North America. However, they have the following frequency and time suggestions for North American listeners:

0600-0700: 17860 kHz (from Kigali)
 1900-1959: 11965 kHz (from Trincomalee)

2000-2059: 9780 kHz (from Trincomalee)
 2100-2200: 11865 kHz, 15205 kHz (15205 ends 2157 UTC; both from Kigali)

Looking at the engineering schedule, and judging from my own notes, some of the 0400 and 0500 broadcasts targeting parts of Africa might propagate to North America. Specifically,

0400-0500: 7225 (Kigali), 15410 (Wertachtal)
 0500-0600: 9700, 12045 (Kigali), 15410 (Wertachtal)

A live webcast will be available at the DW-Radio website, and most programming will be available via on-demand webcast as well.

DW-Radio is investing in English language news coverage; *Newslink* will air live 8 times/day; weekdays, *Newslink* will air in the first 30 minutes of each one-hour broadcast. A new development program, *World In Progress*, begins, airing primarily on Tuesdays and Wednesdays; *Environment* goes to a half hour in duration. It appears all shortwave broadcasts will now be a full hour, perhaps with some transmitters ending a minute or two early.

DW-Radio has done a very good job reporting on Gulf War II, looking at more behind-the-scenes phenomena, postwar restoration of the country, and other United Nations perspectives. Too bad we'll miss them on shortwave.

Radio Australia

Radio Australia has generally kept to its schedule. There are some changes taking effect as of the end of March:

Sunday

2130 Drop: *Education Programme*; Add: *Country Breakfast*
 2239 Drop: *Oz Music Show*; Add: *Ockham's Razor* and *The Pulse*
 2330 Drop: *Earthbeat*; Add: *Business Report*

Monday

- 0320 Drop: *Pacific Focus, The Pulse*;
Add: *Life Matters & Oz Music Show*
- 0620 Drop: *Pacific Focus, The Pulse*; Add:
Ockham's Razor & Oz Music Show
- 2130 Drop: *The Health Report*; Add:
Rural Reporter
- 2239 Drop: *Music Deli*; Add: *In Conversation, The Pulse*
- 2329 Drop: *The Buzz*; Add: *The Europeans*

Tuesday

- 0320 Drop: *Pacific Focus, The Pulse*;
Add: *Life Matters, Music Deli*
- 0620 Drop: *Pacific Focus, The Pulse*;
Add: *In Conversation, Music Deli*
- 2239 Drop: *Blacktracker*; Add: *The Ark, The Pulse*
- 2329 Drop: *Arts on RA*; Add: *Earthbeat*

Wednesday

- 0320 Drop: *Pacific Focus, The Pulse*;
Add: *Life Matters, Blacktracker*
- 0620 Drop: *Pacific Focus, The Pulse*;
Add: *The Ark, Blacktracker*
- 2130 Drop: *Religion Report*; Add: *On the Record—Media, Democracy*
- 2239 Drop: *Oz Country Style*; Add:
Lingua Franca, The Pulse
- 2330 Drop: *Rural Reporter*; Add: *Arts on RA*

Thursday

- 0320 Drop: *Pacific Focus, The Pulse*;
Add: *Life Matters, Oz Country Style*
- 0620 Drop: *Pacific Focus, The Pulse*; Add:
Lingua Franca, Oz Country Style
- 2130 Drop: *Rural Reporter*; Add: *All in the Mind*
- 2239 Drop: *Jazz Notes*; Add: *The Makers, The Pulse*
- 2330 Drop: *The Media Report*; Add: *The Buzz*

Friday

- 0320 Drop: *Pacific Focus, The Pulse*;
Add: *Life Matters, Jazz Notes*
- 0620 Drop: *Pacific Focus, The Pulse*;
Add: *The Makers, Jazz Notes*

Also, with the war, Radio Australia is adding some current affairs programming as well for the foreseeable future: Radio Australia is adding a couple of current affairs programs to the schedule: *AM* at 1905 UT and *The World Today* at 0410 UT.

Thanks to John Figliozzi for the Radio Australia information.

Radio Canada International

The new A-03 RCI schedule now shows the correct CBC domestic programming now being relayed via shortwave. The weekday morning (1200–1500 UT) broadcast now features the first hour of *The Current* and the second and third hours of *Sounds Like Canada*.

Radio Netherlands

While Radio Netherlands hasn't significantly altered its programming schedule due to the war, there are a few changes in the schedule as of April: David Swatling's *Aural Tapestry* returns, while *Sound Fountain* is dropped from the schedule. Also, remember that the US East Coast morning release moves back one hour to 1030–1230 UT on the existing 5965 kHz. Speaking of wartime perspectives, it's always worth listening to the Dutch perspective on *Newsline*, Radio Netherlands' current affairs program.

Radio Austria International lives—sort of

The ÖRF Board of Trustees has decided to close Radio Austria International as a separate organization as of late June, though the domestic Radio Austria 1 service will continue to produce an English language service, and will relay its domestic service in German. It appears shortwave will continue to be used by Radio Austria International; in the press release announcing these changes, it was mentioned that this restructuring will allow the Moosbrunn transmitter site to be kept operational. No information is yet available on program schedules or frequencies.

Introduce a friend to shortwave

If you have a portable lounging around the house that you won't be using for a couple weeks, how about loaning it to a friend who isn't familiar with shortwave? I've read commentary suggesting people are more interested in non-American wartime coverage in this Gulf War than in previous conflicts. Who knows—you might get someone excited about shortwave who might not have previously known about it.

The Fest that Was

It was great to see many NASWA members at the Winter SWL Fest; if you enjoy shortwave radio and international broadcasting, you really oughta think about making the pilgrimage to Kulpville next year.

Until next month,

73 DE Richard



Clip & Save—BBC World Service

Postal address: PO Box 76, Bush House, London WC2B 4PH, United Kingdom

E-mail address, general information: worldservice.letters@bbc.co.uk

Shortwave broadcasts: 0100–0400, 9525 kHz; 0400–0600, 6135 kHz; 1000–1400, 6195 kHz; 1100–1700, 15190 kHz; 2200–0400, 5975 kHz

Live webcasts: 24/7 webcast of European schedule at http://www.bbc.co.uk/worldservice/ram/live_infent.ram; 2300–0500 webcast of European schedule at http://www5.nrk.no/nettradio/nrk_alltidnyheter_lav.asx; 24/7 webcast of “news channel” at http://www.bbc.co.uk/worldservice/ram/live_news.ram, which is the same schedule as the feed taken by many US public radio stations. Other live webcasts can be found at Kevin Kelly's public radio website, <http://www.publicradiofan.com>.

On-demand webcasts: Available for one week for most spoken-word programs. See the “Radio Programmes” list box at <http://www.bbc.co.uk/worldservice>.



WWW Shortwave Listening Guide

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



Technical Topics

Joe Buch N2JB • P.O. Box 1552 • Ocean View, DE 19970-1552 • joseph.buch@dol.net

NASWA Combats SW Attack On North America

A wise person once proclaimed, "Beware of what you wish for, you just might get it."

In a time that now seems so long ago, in the spring of 2002, it became obvious to NASWA management that the shortwave listeners of North America were under attack. The BBC was eliminating its shortwave service beamed to North America. This was the final straw. Smaller broadcasters had been dropping programs to North America for years. The BBC, however, was not a small broadcaster that nobody listened to anyway. It was the King Kong of the shortwave jungle. BBC fans launched a vigorous campaign under the name of, "Save The BBC." Their immediate goal was not achieved but their organization demonstrated a new militancy in the North American listener community.

There was an even more dangerous aspect to this loss. The loss of the BBC to North American audiences would surely give other broadcasters a way to justify deletion of North American services when budget pressures forced tough decisions. The time had come for firm NASWA action.

Jumping ahead to today, the Democratic Peoples Republic of Korea recently announced they had nuclear weapons. They also announced they were cranking up a nuclear power plant to make "electricity". The plant also makes plutonium as a byproduct. Plutonium can be used to make more nuclear weapons. The intent was obvious to US Government authorities. As a result, Radio Free Asia immediately doubled their hours per day beamed to Korea.

This is an example of Cones Law, "The amount of shortwave broadcasting directed to a region is directly proportional to the saber rattling coming from that region." This phenomenon has been well documented in the past in the shortwave literature and the popular press.

For example, Cuba once tried to install Soviet ICBMs which begat Radio Marti. During the Cold War, the airwaves were very crowded. The USA and the Soviets beamed to each other night and day. There was no room for more than a few bible hucksters trying to make a dollar. You get the picture?

Now let's shift back to 2002. NASWA decided it was time to act.

NASWA management requested and obtained an audience with President Bush. The situation was explained to him. The President was requested to help. He graciously conceded to do what he could. "Do you have any ideas?" he asked with his typical blank, poker-faced stare. As NASWA pointed out the cause and effect correlation of Cones Law, President Bush's eyes lit up.

The President asked, "Are you suggesting that if I just make some outlandish, radical statements, threatening everything I can think of I can solve your problem?" He catches on quickly. The President pointed out that during his time at Yale he had mastered the art of the bluff during many fraternity house poker games. He would use his best efforts to do what he could. The meeting concluded amiably with the usual handshakes. As your NASWA servants left the White House, they knew the President would come through. Little did they know how far he was willing to go to help.

Soon the result of our visit became evident. The President declared that there must be a regime change in Iraq and it would happen voluntarily or by military action. Phrases like "axis of evil", and "weapons of mass destruction", became part of our national lexicon as they popped up in all his speeches. Half the world thought he had lost his marbles; the other half knew it.

One day during a speech, the President squinted his eyes and then made a reference to Saddam as "the guy who tried to kill my daddy." Any doubters were now convinced that this was a personal vendetta.

The man was executing a masterful bluff. He would soon have every SW transmitter in the world beaming this way 24 hours a day. You could just imagine all those derelict transmitter cabinets being opened—the mousetraps being set in preparation for the return to air—the filaments warming gently in those massive vacuum tubes. You could imagine hearing governments all over the world recalling sacked English-language broadcasters to their old jobs.

Alas, the bluff hasn't worked. President Bush is still trying his best. Every day the clock of universal doom ticks closer to midnight as the rhetoric heats and the missiles fly.

The President has done his part to perfection but the adverse trend of international shortwave broadcasting to North America continues. In spite of the President's best efforts to upset the Germans, (which he seems to have done very well) Deutsche Welle will soon abandon North America. Neither has France restored RFI service to North America in spite of the President's best efforts to tick them off.

Diplomacy has failed. It is now time for NASWA to crank up the pressure:

The NASWA Research Lab hereby announces the restart of the NASWA nuclear weapons program.

You are probably saying, "What nuclear weapons program?"

It can now be revealed that NASWA's world famous research laboratory was contracted by the Vatican in the early 1980s to help them develop a nuclear device ("which we in more technically developed countries would call a bomb", to quote Tom Lehrer).

In 1981 the Pope was the victim of an assassination attempt. There was a strong fear that

underground terrorist elements of the Russian Orthodox Church, with Soviet backing, were working feverishly to develop a nuclear device with which to take over all of Christianity. The Vatican reasoned that it needed a deterrent.

The US Government feared that a cooperative arrangement with the Vatican would be struck down by the US Supreme Court as a violation of the US constitutional provision that many interpret today as prohibiting any support to any organized religious institution.

So the Vatican, prohibited from doing business with the Los Alamos laboratory, went to the next best, the NASWA Research Laboratory.

Like many programs the Laboratory has worked on over the years, the contract with the Vatican was terminated with the fall of the Soviet Union. The Russian Orthodox Church now had much work to do at home and had abandoned its plans for conquest of world Christianity.

Today the NASWA Research Laboratory is assembling boxes of nuclear weapon files from the bunkers under its Washington DC headquarters on the Potomac River. These files, from the Vatican contract, will help expedite our return to an active nuclear development program.

If the shortwave broadcasters of the world continue to ignore North American audiences NASWA will continue its work until it succeeds. The Lab estimates they can have a working device by April 1 of next year.

By the way, NASWA has attempted to contact President Bush at the White House to thank him for his efforts on our behalf. We also wanted to tell him he could stand down as we would be taking our own course of action. He has been too busy to meet with us again for some reason.

I wonder what is going on? We in North America don't get much international news on our shortwave radios anymore.

Stay tuned until next time, if there is a next time.



On The Short Waves

Jerry Berg • 38 Eastern Avenue • Lexington, MA 02321 • jberg@ontheshortwaves.com

Since 1999, John Herkimer and I have published the "ontheshortwaves" website at www.ontheshortwaves.com. The site is devoted to shortwave broadcasting history and the SWBC DXing hobby (along with some medium wave and other radio history material). We hope that hobbyists interested in early shortwave radio find it useful.

The column has several parts. The main one is "Articles, Research, etc." with subsections for full-text articles, research (an index to radio history articles in Popular Communications magazine, plus Adrian Peterson's shortwave-related Wavescan scripts), audio recordings, info about hobby personalities, humor, philately, vintage advertisements and a pot pourri of miscellaneous items. Other parts include Book Reviews, Information for Collectors (tables of elder editions of the *WRTH* and *How to Listen to the World*), Shortwave History on the Net (links to shortwave history-related websites), Committee to Preserve Radio Verifications (info about CPRV, including a vintage QSL Gallery), and a section about the book, *On the Short Waves, 1923-1945: Broadcast Listening in the Pioneer Days of Radio*.

During the years 1989-1996, the NASWA Journal carried "The CPRV Page," a monthly page displaying QSLs in the CPRV collection. Those old columns are still republished in the Journal from time to time. The columns from 1989 to 1992 can be found in the CPRV section of www.ontheshortwaves.com (The other columns will be added in the future.)

New material is added to the site most weeks, and the purpose of www.ontheshortwaves.com Update in the NASWA Journal is to update you on this new material. New items are identified on the website under the "New Material" link.

John Herkimer and I are always interested in news and views about shortwave radio history, as well as material for inclusion on the website. Please contact us at jberg@ontheshortwaves.com or jherkimer@ontheshortwaves.com

Thanks, and here are the most recent additions to www.ontheshortwaves.com:

Under "Articles, Research, etc.," "Vintage Advertisements," some advertisements from the war

years. These are from Radio News, 1943, and show the contribution that the Hammarlund Super Pro was making to the war effort.

Under "CPRV," "CPRV Gallery," look for 10 new medium wave QSLs from the period 1927-1931, some with unusually nice graphics, and also some additional amateur radio cards from the Roger Legge collection (look under Australia, Brazil, Newfoundland, Costa Rica, Slovakia, Indonesia, Mexico, and New Zealand).

Under "sw History on the Net," some new links under "Stations and Voices of War":

- Aspidistra <<http://www.subbrit.org.uk/rsg/sites/c/crowborough/>>
- Jamming <<http://members.netscapeonline.co.uk/normancsax/marconiphone.htm>>
- Konigsberg Radio <<http://www.northernstar.no/konigs.htm>>
- British Propaganda In World War II <<http://clutch.open.ac.uk/schools/emerson00/>>

Under "Book Reviews," "Journals and Other Publications," a review by yours truly of *The Secret Wireless War*, a videotape produced by David and Debra Rixon (2002). The video comprises two separate one-hour programs, *Beyond Bletchley Park*, covering British interception of German wireless signals during the war, and *Black Propaganda*, covering the development of the World War II British black clandestine broadcasts. I knew I was going to like this tape from the early scene showing wartime Voluntary Interceptor (VI) Bob King tuning a modern transceiver in his reconstructed World War II radio shack and recalling the words of an unknown CW poet:

I must go back to the set again, to the superhet and the phones, And switch off the broadcast music, the announcer's measured tones, And search again on the short waves, with loud calls blending, For the dim sounds of the Morse code, that a far foe's sending.

I must go back to the set again, for the time has come to seek, In the QRM and the QRN, for my allotted squeak, And all I ask is a steady note, through the ether speeding, At a fair strength, in a quiet spot, at a nice speed for reading.

CSA

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Emerging Techniques of High-Tech DXpeditioning

Part 3

Guy Atkins, John H. Bryant, Nick Hall-Patch, Don Nelson, January 2003

Cybikus, CYBIKO, Cybiki: Inter-DXer Communication While DXing

One of the most difficult aspects of DXpeditioning, particularly if the group is larger than two DXers, is finding a means to communicate hot DX tips to each other without either disturbing people in the next motel room or continually having to pull out headphones off in the middle of a catch and say rather grumpily "What did you say???" With seven or eight DXers at a typical Grayland DXpedition, this became a difficult problem, especially if we are scattered in two or more rooms. For years, we tried some version of passing around written notes, but that really never worked. Then we scrawled things in our logs and held them up for other people to read. That worked, sometimes, but rather poorly. It is hard to decipher a hasty pencil scrawl from across the room. We day-dreamed for years about a computer-based LAN network, but the expense was a problem as well as forcing everyone to bring a computer capable of attaching to a LAN. Now, of course, there are possibilities of wireless networking our laptops, but again, expense and compatibility issues abound. We needed to find a mechanism that would be both inexpensive and inclusive of everyone on the DXpedition.

Guy Atkins led our search, but we all pitched in with various ideas. Our next idea was using hand-held "white-

board" chalkboards and broad water-based markers. The boards were about 10" x 15" and a brief note written in marker was easily legible from across the room. The boards and markers were under \$7.00 per DXer and hence, very affordable. They worked wonderfully, as long as everyone was in the same room. Unfortunately, the second time that we used them, there were enough DXers present to require two rooms. We found, of course, that it was next to impossible to tear yourself away from a super catch to walk even a few steps to show a note to the troops in the other room. And, also of course, on the second morning, the DXers in the back room stumbled on to the catch of the DXpedition, a brief opening to coastal New Guinea on MW. The troops in the front room heard about that catch at breakfast... after the band had faded out. Obviously, the white-boards had to go!



CYBIKO CLASSIC



CYBIKO XTREME™

Well prior to our next DXpedition, super-shopper Guy Atkins discovered CYBIKO handheld PDA units from Asia and the problem was solved. CYBIKO were developed originally for the East Asian youth market where they were briefly "all the rage." Although these units can perform most of the functions of normal PDAs, their most attractive aspect was that each CYBIKO unit can communicate wirelessly, **in text form**, with other CYBIKO units. They can communicate with all other units (up to 100) within their 150 foot range or they can address individual units, with no one else receiving the message. At the time that we adopted these units (early 2001) they were selling for about \$20.00 each, new-in-the-box on eBay. Today, there are two different models of Cybiki available: the so-called Cybiki Classic that we adopted and the newer CYBIKO XTREME

These two units are excellent as DXpeditioning tools. One of the handiest aspects of the Cybiki are the fact that each unit can be set to vibrate briefly when it receives a message. We usually just leave them sitting on our DXing desks and, when a message arrives, we are able to feel the vibrations through the table. That way, we can pay maximum attention to our own DXing, but never miss a message.

Messages must be typed into original CYBIKO Classic with a small pencil-like stylus. We understand that the button placement on the CYBIKO XTREME is such that one can type with a careful finger. Chuck Hutton recently purchased an XTREME model and has tested the communications between Classics and XTREMES. It works fine! As you might guess, we have all learned to abbreviate our messages.

At the first DXpedition where we had Cybiki running in two separate rooms, the Cybiki paid for themselves in one catch. Nick Hall-Patch (nhp) was in the back room and Guy (guy), Don (don) and John. (bjohn) were in the front room. Nick had spotted something very unusual appearing on his DX Radar. The on-screen CYBIKO messages looked about like this over the next 5 minutes: *(Next column.)*

The CYBIKO unit (and DX Radar) was directly responsible for our first-ever reception of Indonesia on MW from Grayland. Not only

nhp: strange DX on 909 wha lang?
bjohn: not CC or JJ
The signal slowly built in strength.
don: indo!!
guy: yes, indo!!
bjohn: rri sorong!
don: ments sorong just now!

had Nick been able to alert every one, but Don and Guy, as long-time DXers of Indonesia were able to recognize the language with great confidence. All that was accomplished without any of us having to take our headphones off or even look up, **excellent!**

The CYBIKO units have many other capabilities. Both models are quite good game playing machines, with many games and other applications being downloadable from The XTREME model is quite a bit more capable than the Classic as a PDA unit, with many of the functions of much more expensive PDAs. Though only Chuck Hutton has any experience yet with these newer models, manufacturer literature speaks of wireless web surfing in the BlueTooth platform, its use as a scientific calculator, a text editor and note taker, a translator and a number of other functions. There is also an attachment available for the XTREME model which enables it to act as a MPEG music machine. We have not investigated the DX-applicability of this latest gadget (yet!)

The easiest method of obtaining CYBIKO units right now is through the eBay auction site on the internet. Both models are still available in late 2002, with the obsolescent Classic units selling for \$12 to \$15, new in the box and the XTREME units going for from \$25 to \$40, new in the box.

DX Radar

DXers have probably dreamed about some form of what we have come to call "DX Radar" just about as long as there have been DXers. The wide spectrum graphic spectrum analyzers of the tube era were one attempt at a method of representing the signals present on a given band. Unfortunately, sweep speeds were slow and resolution poor, so little hobby application was found for these early

efforts. Its almost certain, of course, that the various electronic intelligence agencies of the major powers developed such gear to a relatively high level of sophistication. To our knowledge, though, little if any of this gear has made it to the hobby world.

In the late 1980s, several sophisticated receivers did appear on the civilian market that offered spectrum scanning capabilities. We have had experience with only one of these rigs, the McKay-Dymek DR-333. In addition to its graphic and text-oriented operating programs, it offered operators a spectrum scanning function. This module allowed the operator to define the upper and lower limits of the spectrum to be scanned; the receiver then divided that spectrum into an arbitrary number of steps and checked for signal strength at each of those step. Since the DR-333 was a black-box receiver, it output the results graphically, to the computer screen. This approach was similar to that found on several other high-end receivers and worked moderately well when monitoring a sparsely populated band such as 90 meters. However, its usefulness was much reduced on more populated shortwave bands and it proved useless to monitor for unusual signals on the crowded medium wave band.

Nick Hall-Patch has specialized in DXing trans-Pacific signals from near his home in Victoria, BC for many years. About seven years ago, he set out to develop a DX Radar designed to give a graphic representation of signals present on the international MW channels. (In case you are not aware of it, MW signals outside the Western Hemisphere are organized with one channel per 9 kHz of bandwidth, rather than the 10 kHz.) Thus, the international channels (for us in the Western Hemisphere) are 531, 540, 549, 558, 567, 576, 585 kHz, etc. This pattern of frequency assignments for trans-Pacific (and trans-Atlantic) stations presents both opportunities and real difficulties when designing a spectrum monitoring program.

"DX Radar" is a DOS-based receiver control program, implemented presently for the Dymek DR-333, Ten-Tec RX-320 and for a highly modified JRC NRD-525. Every 100

milliseconds (250 ms in the case of the RX-320), the program tunes the receiver to a different preset frequency and records in memory the signal strength found there. After averaging a few of these signal strengths for each channel, the resulting signal strength is displayed on the PC screen for each channel after using a simple algorithm described below to (partially) remove the effects of the domestic sideband splatter usually found on MW DX channels.

These preset frequencies are usually 9 kHz-spaced overseas MW channels, plus a frequency 1 kHz away from each 9 kHz channel. The latter signal is far enough away from the desired frequency so that any DX signal is out of the filter passband, but near enough to have quite similar splatter characteristics. The noise signal level is subtracted from the DX channel's signal level, and the resultant value gives a rough idea of DX activity on the desired channel.

Unfortunately, it takes 20 seconds to do one scan of the MW band using this method, and averaging of a number of scans is desirable to get better signal strength accuracy, so the update rate is usually set at about 2 minutes. A DX signal can fade away in that period of time, but until a PC-controllable receiver is found with a fast enough AGC decay to be scanned more quickly than every 100 milliseconds, it's a problem we'll have to live with.

The figure below represents a fairly typical opening to East Asia from the Grayland site as seen on the Hall-Patch DX Radar. The chevrons (->) represent the signal strength that was present on that particular channel as the Radar swept past it. A single chevron represents the default signal strength of very little to no signal on the frequency. Experience has shown us that two chevrons (->>) indicate a het of medium strength or maybe "threshold" audio is present. Channels which show signal strength of three chevrons (->>>) almost certainly have "listenable" audio present, while four chevrons usually indicate "arm chair copy."

How one responds to a DX Radar display like the one above is largely dependant on the

	765 >	1040 >	1251 >	1445 >
558 >	774 >>>	1017 >	1260 >	1436 >
568 >	783 >	1025 >	1269 >	1450 >
576 >>>	792 >	1034 >>>	1277 >	1512 >
585 >	801 >	1044 >	1287 >	1521 >
594 >>>>	810 >	1052 >>>>	1296 >	1530 >
603 >	820 >>>>	1062 >>	1305 >	1548 >
609 >	831 >>>	1071 >	1314 >	1557 >
616 >	842 >	1080 >	1323 >	1566 >>
621 >	852 >	1090 >	1332 >	1575 >
629 >	864 >>	1102 >	1341 >	1584 >
638 >	873 >>	1116 >	1350 >	1593 >
657 >>	885 >	1125 >	1359 >	1602 >
666 >>	891 >	1134 >	1368 >	1610 >
675 >	909 >	1143 >	1376 >	1620 >
684 >	918 >	1152 >	1385 >	1629 >
693 >>	927 >	1161 >	1394 >	1638 >
702 >	936 >	1170 >	1403 >	1647 >
711 >	945 >	1180 >	1412 >	1656 >
720 >	954 >>>	1192 >	1421 >	1665 >
729 >	963 >	1206 >	1430 >	1672 >
738 >	972 >>>	1215 >	1439 >	1701 >
747 >>	981 >	1224 >	1447 >	1710 >
756 >	990 >	1233 >	1456 >	1719 >>

Figure 3. A fairly typical "low band" opening to East Asia from Grayland at dawn as seen on DX Radar.

level of personal experience with Trans-Pacific signals from the Pacific Northwest. A neophyte would certainly first choose to log the arm-chair level signals indicated on 594, 828 and 1053 khz. He will discover that 594 is JOAK, NHK's First Program from Tokyo; 828 almost certainly will be JOBB, NHK's Second Program from Osaka and he will discover to his chagrin that 1053 is a South Korean "bubble" jammer covering a North Korean propaganda station.

A DXer who is more experienced at TP work (and knowing that it is an East Asian Opening) will recognize those signals from the Radar Screen and will also note the presence of the other usual strong NHK-2 stations on 747, 774 and probably 873. Further, the experienced DXer will assume that 954 is JOKR, Tokyo, that 972 is HLCA, the KBS outlet from Dangjin, South Korea and that it is likely that the two high band stations, 1287 and 1566 are JOHR, Sapporo and HLAZ, the giant missionary station on Cheju Island, South Korea, respectively. These stations are the most reliable performers, year-in and year-out from East Asia to the Pacific Northwest. With those channels eliminated from consideration, the experienced TP DXer will likely focus first on the other three frequencies that are showing three chevron strength and are almost certainly in audio. The possibilities for 576 include Russia, Laos, Malaysia, Myanmar and (heart-a-fluttering) India, as well as smaller scale stations in Japan and throughout East Asia. The 837 chevrons indicates a signal that is "probably" South Korea, but might be India or maybe one of the smaller scale Japanese NHK 1 outlets. Finally, the 1035 signal is most

likely China National Radio's First Program from near Beijing. Most of us would try to check all three signals, but we would likely start with 576 khz.

As far as international medium wave DXing is concerned, it must be said that DX Radar is an imperfect tool. It seems to be more useful some mornings than others and, at times, will indicate "false positives" despite Nick's nifty routine to minimize splatter from adjacent channels. At the worst, DX Radar can give us an indication of the part of the band that is the most active and thus make our manual scanning much more effective.

Since the DX Radar has not become well known in SWBC DXing circles, no one has tested it on the shortwave bands. Those of us with experience on those bands think that it would be quite effective on 60 and 90 meters where most signals of interest are relatively QRM free and their presence is only limited by propagation and time of day. For instance, DXing the SWBC stations in Papua New Guinea at dawn would be made immeasurably easier using a version of DX Radar with each of the PNG channels in the scanning file. With only 20 or so relatively QRM free signals to monitor, the DX Radar would update itself much more quickly and ought to be a near-perfect predictor of a stations presence and signal strength.

Finally, it must be stressed that we have found that DX Radar will not run well in a "DOS Window." A computer Running Windows 98SE or earlier can be rebooted into DOS from the "Restart in DOS" selection on the Shut Down menu. The rather small DOS program for DX Radar may then be executed from the command line. We have found it easiest to simply dedicate an obsolete computer to the DX Radar function. Nick, himself, uses an old 386 tablet "Grid" computer and John uses a mini-notebook 486 machine called a Compaq Aero Contura that currently sells on the web for well under \$100. With newer computers, establishing a partition of DOS-only programming and making the machine "dual bootable" is probably a good strategy.

Copies of the DX Radar program are available gratis from Nick Hall-Patch (nhp@ieee.org).

Recommended Computers

If you have yet to acquire a laptop for DXpeditioning use, we should state again that most of the machines that we use at Grayland are quite obsolete (and therefore very affordable.) Most of the software that we use could actually run on a 486 machine, but in truth, more than half of our machines are in the 250 MHz. Pentium class of computers or better. These are currently available on eBay and elsewhere for well under \$300. We would recommend buying a laptop that has at least 4 GB of storage space and which supports USB or at least PCMCIA connected devices. These latter allow rapid sharing of software and files between machines—an attribute that we find handy when loading our machines at home and when sharing among ourselves here.

Collectively, we are in disagreement as to just what level of machine to recommend. John is quite happy with one of the now-\$300 machines mentioned above. You should know, however, that he does not intend to use ERGO or one of the other resource-intensive receiver tuning programs. However, he does regularly use Geoclock, a couple of Adobe PDF references, B-log and Total Recorder and a simple receiver control program for the Ten Tec RX-320, all simultaneously. Nick, on the other hand, points out that, if you run all of the above **plus** a sophisticated receiver control program and maybe another resource hog or two, it is possible to saturate even a much better machine than John's. He puts more emphasis on the fact that the current whiz-bang units which are going for \$1.5k+ today will be garage sale specials in a couple of years, and will do a nice job at the DXpedition site.

Guy has done fine with his 266 MHz machine running Geoclock, ERGO, B-Log and some open ASCII text references, but loading the PAL with Acrobat 5 caused a marked speed decrease. He had to drop back to Acrobat 4 like Nick suggested. Guy says that he has been surprised, actually, at how well this modest notebook works for him. Perhaps the 92 MB RAM helps, but its likely that Windows resources is a key item. "Any day now" Guy's dropping in a new CPU card (MMC-1) that he

got through eBay, but it's only a minor bump to 300 MHz. Guy also muttered "Maybe I can convince Rochelle we can do a notebook upgrade along with the new furniture." Fat chance.

Any laptop that you are considering for DXpeditioning use should have a serial port, especially as the USB to serial converters aren't always very effective. A serial port is absolutely required in all current receiver control applications and even if you don't intend to go that route at all, a new inexpensive digital receiver like the Ten Tec RX-320 may come along and change your mind. If you are to do any kind of audio work with your DX-capable laptop, and a Line-In or Mike-In audio jack (in stereo, if possible) is absolutely essential. Stereo input capability is recommended because many of us have found that we would like to record from two receivers simultaneously. This is possible with Total Recorder and similar software, but only if your audio-input capability is in stereo. Unfortunately, many "modern" laptops come without either Serial ports or provisions for inputting audio signals.

If one is already intending to purchase a new laptop for general use anyway, one might as well get one that will also serve as a high-tech DXing machine. On the other hand, if your only reason for purchasing a laptop is for DXpeditioning use, the best route might be to try out one of those \$300 eBay specials for a year or so and then you'll have a good idea as to just what level of machine you need long term for DXpeditions.

Conclusion

The reason that this article is titled "Emerging Techniques..." is that this is, at best, an interim report of what one group of DXers is doing with several very rapidly changing technologies. As such, this article is practically obsolete before it is published. We do hope that some elements of our recent efforts will prove useful to many readers. We also hope that this article will stimulate others who are applying new tools of technology to DXing to write similar articles for the hobby press. 

Listener's Notebook

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

ALBANIA *Trans World Radio (TWR)*

0500-0515	Slovak	6235C 7380S Mo-Fr
0515-0530	Polish	7380S 9850C
0830-0845	Hungarian	7385S 9490C Tu-Sa
1030-1100	Slovak	7340S 9490C Sa
1344-1359	Russian	11615C Mo
1344-1429	Russian	11615C Sa/Su
1344-1459	Russian	11615C Tu-Fr
1359-1429	Belorussian	11615C Mo
1429-1459	Russian	11615C Mo
1500-1530	Polish	7355S 9440C
1530-1545	Polish	7355S Su
1530-1545	Armenian	9945C 12080C Sa/Su
1530-1545	Polish	9440C Su
1530-1600	Armenian	9945C 12080C Mo-Fr
1615-1630	Czech	6175C 7135S Mo/Tu/Th/Fr
1625-1740	Farsi	9960C 12100C
1630-1700	Hungarian	6175C
1740-1755	Qashqai	9960C 12100C Su
1930-2000	Finnish	9430C Mo-Fr
2000-2030	Swedish	9430C Mo-Fr
2030-2100	Norwegian	9430C Mo-Fr

C=Cerrick S=Shijak

(Bernhard Schraut/TWR/Gupta-India/Cumbre DX)

ANGOLA 4950 *RNA*-Canal "A," Mulenvos, which has been audible very poorly of late at my end, was noted on Mar 16 at 2230-2310 airing a selection of both Angolan & Brazilian songs, then the TS & TC for the 2300 "Jornal" which included reports on the day's local f/ball results plus refs. on the major matches in Italy & Spain. That was noted // to 11955.65 kHz (Carlos Goncalves-POR, BC-DX/TopNews Mar 15/16/Bueschel-DE)

Radio Ecclesia operates via Sentech (South Africa) per schedule:

1900-2000 Portuguese 7205

(Marcelo Cornachioni-ARG/Conexion Digital)

ARGENTINA RAE Radiodifusion Argentina Al Exterior A03 sked:

0000-0200	Portuguese	11710
0200-0300	English	11710
0300-0400	French	11710
0900-1200	Spanish	6060 15345
1000-1200	Japanese	11710
1200-1400	Spanish	15345
1800-1900	English	9690 15345
1900-2000	Italian	9690 15345
2000-2100	French	9690 15345
2100-2200	German	9690 15345
2200-2400	Spanish	6060 11710-15345

Above programs all Monday-Friday. On weekends:

1800-0100	Spanish-N	11710 Su
1800-0300	Spanish-N	6060 15345 Su
2000-0230	Spanish-N	6060 15345 Sa

Spanish-N = Relay of Local Radio Nacional programs (Barrera-ARG/Gupta-IND) [I think this is correct, although the formatting of the original schedule was very confusing, especially regarding weekend transmissions...AQ]

AUSTRALIA Summer A-03 schedule for *Voice International* via Darwin:

0030-0100	Indonesian	21680
0130-0200	English	17775
0430-0500	Indonesian	21680
0530-0600	Indonesian	21680
0600-0900	Indonesian	17820
0600-0900	Mandarin	17715
0900-1300	Indonesian	15365
0900-1300	English	13685
0900-1400	Mandarin	13770
1100-1700	Hindi	13635
1300-1500	English	13685
1300-1800	Indonesian	7180
1400-1800	Mandarin	17560
1500-1700	English	13665
1700-2100	English	11680
1800-2100	Mandarin	5990
2100-0200	Mandarin	15165
2330-2400	Indonesian	11935

(Observer, Bulgaria, March 7/DX Listening Digest/Hauser-OK)

AUSTRIA *Trans World Radio (TWR)*

1344-1359	Russian	9745 Mo
1344-1429	Russian	9745 Sa/Su
1344-1459	Russian	9745 Tu-Fr
1359-1429	Belorussian	9745 Mo
1429-1459	Russian	9745 Mo

(Bernhard Schraut/TWR/Gupta-India/Cumbre DX)

AZERBAIJAN Thurs only transmission heard on Feb 27, 9155 *Ashur Radio*, Assyrian Democratic Movement most likely Baku Gyanca site, but very, very poor audio—like Falklands. Only heard with AOR 7030 Passband Tuning on lower side band mode. Heard from 1600 UT onwards with annts, but regular program I guess starts 1630-1700 UT. (Bueschel-DE, Feb 27/BC-DX/TopNews) **BELARUS** 4855 kHz: I heard this new retransmission in the 60 mb: Radiostation Vertikal, Sankt-Peterburg, 19/02 2105, 22/02 1510, 27/02 1350. Modulation in SSB mode. It seems the already known Belorussian transmitter

(Army) / feeder has been reactivated. Program Russian pop music, slogans, for Sankt-Peterburg (Russian Slavutskiy, Moskovskaya oblast, Feb RUS-DX via DX Listening Digest/Hauser-OK)

Radio Minsk A'03

0100-0130	Belarusian	5970 7210
0130-0200	Russian	5970 7210 Su
0130-0200	Belarusian	5970 7210 Mo-Sa
0200-0230	Belarusian	5970 7210 Tu
0200-0230	English	5970 7210 Mo/We/Fr/Sa/Su
0200-0230	German	5970 7210 Th
0230-0300	Belarusian	5970 7210 Tu-Sa
0230-0300	German	5970 7210 Su
0230-0300	Russian	5970 7210 Mo
1900-1930	Belarusian	7105 7210
1930-2000	Belarusian	7105 7210 Mo
1930-2000	English	7105 7210 Tu/Th
1930-2000	German	7105 7210 We/Sa/Su
1930-2000	Russian	7105 7210 Fr
2000-2030	Belarusian	7105 7210 Fr/Su
2000-2030	Russian	7105 7210 Sa-Th
2030-2100	English	7105 7210 Tu/Th
2030-2100	German	7105 7210 We/Sa/Su
2030-2100	Russian	7105 7210 Fr
2030-2100	Belarusian	7105 7210 Mo

(Alokesh Gupta-IND)

BULGARIA Radio Bulgaria A03

0000-0100	Bulgarian	9400 9500 11600 11900
0100-0200	French	9400 11900
0100-0200	Spanish	9500 9700 11600
0200-0300	English	9400 11900
0300-0400	Russian	7500 9500
0400-0500	Bulgarian	7200 7500 9400 9500 12000 Sa/Su
0430-0500	Bulgarian	7200 7500 9400 9500 12000 Mo-Fr
0500-0530	Russian	7500 9500
0500-0530	Greek	7200 Mo-Fr
0500-0530	German	9400 12000
0500-0530	Turkish	6000 7400
0500-0600	Greek	7200 Sa/Su
0530-0600	Albanian	7200 Mo-Fr
0600-0630	Spanish	15700 17700
0600-0630	Serbian	7200 Mo-Fr
0600-0630	French	11600 13600
0600-0700	Albanian	7200 Sa/Su
0630-0700	English	11600 13600
0700-0800	Serbian	7200 Sa/Su
1000-1030	Bulgarian	9500 11600 11700 13600 15700
1000-1030	Turkish	7400 9400
1030-1100	Russian	11600 13600
1030-1100	Greek	9500
1030-1100	German	11700 15700
1100-1130	Spanish	15600 17600
1100-1130	Albanian	9500
1100-1130	French	11700 15700
1130-1200	Serbian	9500
1130-1200	English	11700 15700

1200-1400	Bulgarian	11700 15700
1400-1500	Russian	7500 9500 13600
1500-1600	Bulgarian	7200 7500 9500 15700 17500
1600-1630	Albanian	7200
1600-1630	Russian	7500 9500
1630-1700	German	9400 11900
1630-1700	Spanish	15700 17500
1630-1700	Greek	7200
1700-1730	French	9400 11900
1700-1730	Serbian	7200
1730-1800	English	9400 11900
1730-1800	Turkish	7400
1800-1900	Bulgarian	5900 7200 7400
1800-1900	Russian	7500 9900
1900-2000	Albanian	5900
1900-2000	Bulgarian	7200 7400
1900-2000	German	5800 7500
2000-2100	Greek	5900
2000-2100	French	5800 7500
2100-2200	Spanish	11800 13800
2100-2200	English	5800 7500
2100-2200	Serbian	5900
2300-2400	English	9400 11900
2300-2400	Spanish	9500 11600
2300-2400	Russian	11700

(Ivo Ivanov & Angel Datzinov/Radio Bulgaria)

BURKINA FASO I saw Piet Pijpers' report of (t) Burkina Faso on 4815 in DXLD 3-039 and did check that frequency on 10 Mar at 1920. Nothing heard there but instead on 5030 a weak French speaking Afro, too weak to identify. Rechecking at 2056, the 5030 was totally blocked by Chinese station. But now on 4815 French talks and at 2101 news tune and news, that sounded like "Burkina-Inter." Ute qrm and splatters from Chinese station on 4920. Just wonder if they are testing or just move away from 5030 at 2000 to avoid qrm from the Chinese. Their signal is very weak compared to what it used to be some weeks ago on 5030. Maybe just using exciter:)? (Jari Savolainen-Finland, March 10/Cumbre DX) My friends in Accra report that on 12 and 13 March the reactivated **Radio Burkina** was indeed back on 5030 (Chris Greenway, Kenya, March 14/DX Listening Digest/Hauser-OK)

7230 kHz **Radio Burkina**, Ouagadougou, a missing log for some time, was noted at 0825-f/out 0900 in French for an Afr tunes & tribal songs progr; 15431. (Carlos Goncalves-POR, BC-DX/TopNews Mar 13/Bueschel-DE)

CHINA Updated B-02 schedule for **China Radio International**:

0000-0027	Portuguese	11850
0000-0027	Hakka	15400 15260 15100 11945 9550 9460 6140
0000-0057	Spanish	15120 11650 7160
0000-0057	Russian	5990 7110
0030-0057	Chaochou	15400 15260 15100 11945 9550 9460 6140
0030-0057	Portuguese	11850 9365 7245

0100-0157	Spanish	11650 9665	1400-1457	Mongolian	7255 5990 5915
0100-0157	English	9790 9580	1400-1457	Sinhalese	15145 11900
0200-0257	Chinese	15435 9690	1400-1457	Tamil	11575 9665 9635
0200-0257	Spanish	13685 11650	1400-1457	Vietnamese	9550
0300-0357	English	9690	1430-1457	Tagalog/En	12110
0300-0357	Spanish	9665 9560	1430-1527	Lao	9675 7360
0300-0357	Russian	17740 17710 15435	1500-1527	Persian	11700 6165
0300-0357	Chinese	9720	1500-1527	Pashto	11880 9665
0500-0557	English	9730 9560	1500-1557	Bengali	15300 11810
0830-0857	Hausa	7170	1500-1557	Chinese	7265 7180
0830-0927	Indonesian	17735 15135	1500-1557	English	17720 15125 13685 9785
0900-0957	Chinese	17785 15440 15340			7405 7160
		15250 15110 11875	1500-1557	Hindi	9690 7235
		11700 9560 7360 6165	1500-1557	Nepalese	9535 7215
0900-0957	English	15210 11730	1500-1557	Russian	9765 7255 7245 6180
0930-1027	Malay	17680 15135			5990 5915
0930-1527	Japanese	9855 7190	1500-1557	Vietnamese	9550
1000-1057	Chinese	17785 15340 9560 7360	1530-1557	Pashto	11880 9665 6165
1000-1057	English	15210 11730	1600-1627	Urdu	7175
1000-1057	Russian	9695 7255 7245 7160	1600-1627	Turkish	11655 6165
		6140 5915	1600-1657	English-AF	13650 7190
1000-1057	Cantonese	17755 15440 11875 9550	1600-1657	Hakka	11825 9770
1030-1127	Indonesian	15135 11955	1600-1657	Hindi	7235 9690
1030-1127	Cambodian	17680 15160	1600-1657	Russian	9885 9605 7265 6040
1100-1127	Esperanto	7170 7150			5965
1100-1157	Mongolian	7160 6140	1600-1657	Swahili	12000 11600
1100-1157	Russian	7255 7245 7110 5915	1600-1657	Arabic	17880 15125 11845 7130
1100-1157	Cantonese	17785 11875 15340 9590			6150
1100-1257	Korean	5965	1600-1657	Vietnamese	7360 6010
1100-1357	Vietnamese	9550	1630-1657	Urdu	7175
1130-1157	Tagalog/En	11700	1700-1727	Swahili	15125 13685 12000
1130-1157	Burmese	9880			11600
1130-1227	Thai	9785 7360	1700-1757	English	11910 9695 9670 9570
1200-1227	Tagalog/En	12110 11700			7150
1200-1257	Cantonese	11855	1700-1757	Russian	9885 9795 9605 9365
1200-1257	English	15415 11980 11760 9760			7265 7245 6040 5965
		9730	1700-1757	Cantonese	9770 7220
1200-1257	Mongolian	7255 7160 6140 5990	1730-1757	Hausa	13670 11640
		5915	1730-1827	Chinese	9745 9645 7315 7160
1200-1257	Chinese	17785 15340 15260			7120 6135
		11875 9570	1800-1827	Hausa	13670 11640 7190
1200-1257	Cambodian	17680 9440	1800-1827	Hungarian	9860 7265 6020
1230-1327	Malay	15600 11955	1800-1827	Persian	9670 7215 7140 7130
1230-1327	Lao	9785 7360	1800-1857	Russian	9795 9605 9535 9365
1300-1327	Esperanto	15210 11650			7245 6040
1300-1357	Burmese	11780 9880	1800-1857	German	9620 5970
1300-1357	Chinese	17785 15340 15260	1830-1857	Italian	9945 7110
		11875 9440	1830-1857	Persian	9785 9670 6150 7140
1300-1357	English	15180 13650 11980	1830-1857	Bulgarian	9860 7265 6020
		11900 11760 9570	1830-1927	French	9645 7350 7120 6135
1300-1357	French	17880 13685	1830-1927	Arabic	13685 11640 7315 7200
1300-1357	Russian	7255 7245 7160 5990	1900-1927	Albanian	9965 7265
		5915	1900-1927	Czech	7150 6020
1300-1457	Korean	5965	1900-1927	Portuguese	9535 7180
1330-1427	Thai	9785 7360	1900-1927	Romanian	9860 7305
1330-1427	Indonesian	15135 11955	1900-1927	Turkish	9785 7215
1400-1427	Turkish	11800 9535	1900-1957	English	9585 9440
1400-1457	Amoy	15340 11650	1900-1957	German	11650 5970
1400-1457	Cambodian	17710 15180	1900-1957	Russian	9795 9605 9365 7245
1400-1457	English	17720 15125 13685	1900-1957	Cantonese	9765 7255
		13650 11765 11675 9700	1930-1957	Albanian	9965 7110
		7405	1930-1957	Czech	7305 7150

1930-1957	Romanian	9860 6020
1930-1957	Portuguese	13630 11640 7265 7235
1930-2027	French	9645 7315 7190 7120 6135
2000-2027	Polish	7150 6150 6020
2000-2027	Serbian	9365 7180
2000-2027	Esperanto	9965 7265 7110
2000-2057	English	13630 11640 9840 9440 5965
2000-2057	Russian	9795 9605 7255
2000-2057	Chinese	9865 9685 7660 7335 7245 7220
2030-2057	Bulgarian	7180 6150
2030-2057	Hungarian	9365 6020
2030-2057	Italian	9965 7265
2030-2057	Polish	7150 7110
2030-2127	French	9560 7215 7160 7120 6135
2100-2127	English	13630 11640
2100-2127	Italian	9965 9610 9365
2100-2127	Serbian	7180 7110
2100-2127	Albanian	6150
2100-2157	Arabic	9765 9685 7260
2100-2157	English	9840 5965
2100-2157	Spanish	9640 6020
2130-2157	Hungarian	9570 6150
2130-2227	French	15500 11975 9560 7190 7110 6135
2200-2227	Portuguese	7245 5965
2200-2257	Spanish	9640 7120 6020
2200-2257	English	7170
2230-2257	Esperanto	11700 9860
2230-2327	Chinese	15400 15260 15100 11945 9550 9460 6140
2300-2327	English	13680 5990
2300-2327	Russian	5990 7110
2300-2327	Spanish	7245 7160
2300-2327	Portuguese	13650
2330-2357	Portuguese	13650
2330-2357	Cantonese	15400 15260 15100 11945 9550 9460 6140

(Ivo and Angel! Observer, Bulgaria, Feb 28/DX Listening Digest/Hauser-OK)

CHINA—HONG KONG The *Hong Kong Yacht Club* informs Cumbre DX that there will be weather broadcasts for the San Fernando Race starting on the evening of the 17th April. The forecasts will be broadcast on 3940 kHz at the following dates/times: (I have left in the dates and times from their original message-Johnson)

- April 17—1803 hrs (so UTC 1203 yes?-Johnson)
- April 18—0803 / 1803 hrs (so 0803 is UTC 0003 yes?-Johnson)
- April 19—0803 / 1803 hrs
- April 20—0803 / 1803 hrs
- April 21—0803 hrs
- April 22—0803 hrs
- April 23—0803 hrs
- April 24—0803 hrs

April 25—0803 hrs

April 26—0803 hrs

April 27—0803 hrs

www.sanfernandorace.com

(via Johnson/Cumbre DX)

CLANDESTINE—AFRICA Broadcasts are being heard once again from the shortwave radio station of the Sudanese opposition grouping, the National Democratic Alliance (NDA). This Arabic-language radio uses the same station identification as before: "*Voice of Sudan, voice of democracy and peace, radio of the National Democratic Alliance*" (Arabic: sawt al-sudan, sawt al-dimuqratiyah wa al-salam, itha'at al-tajamu al-watani al-dimuqrati). It is currently being heard at 1530-1600 on 8000 kHz (a frequency it has used in the past).

In the past, Voice of Sudan was known to transmit from Eritrea and it is believed that these latest broadcasts are also from Eritrea. The use of a frequency that is an exact multiple of 1 MHz, such as 8000 kHz or 10000 kHz (the latter has been reported recently by shortwave hobbyists) was in past years a characteristic of some shortwave transmissions from Eritrea (both from the Eritrean government radio and from Sudanese opposition broadcasts hosted by Eritrea).

Our monitors recognize the newsreader currently heard on Voice of Sudan as one who broadcast on it in the past, thus giving a further indication that the present series of broadcasts are a renewal of the station's previous operations.

Voice of Sudan began broadcasting from Eritrea in August 1995. Its transmissions appeared to be suspended or at least reduced for a while when relations between Sudan and Eritrea improved in 1999 and 2000. This rapprochement also led to a cessation of broadcasts from Sudan by various Eritrean opposition groups. (BBCM/Hans Johnson/Cumbre DX)

6985, *Voice of New Sudan*, 0344-0435 Mar 1, non-stop regional vocals until 0400 when Big Ben type bells followed by a gong signified 0400 and presumed beginning of broadcast. Woman with possible ID in Arabic followed by a man talking alternating with flute and drum mx. Program consisted mainly of talks with very little mx. Fair signal with some number station QRM from 6986. (Rich D'Angelo-PA-USA, DXplorer Mar 1) Voice of New Sudan, VoFreedom and Renewal—Sudan Nat Alliance Sudanese? 0345-0434 ERI to SDN (x6965) 6985 ERI. (Bueschel-DE/BC- DX/TopNews)

7520 (x7560) I tried to listen to the new *Voice of Ethiopia* and didn't find them on the published freq of 7560. Instead I listened to them on the new freq of 7520 from 2008-2055 UT tonight, Feb 23rd. Very good strength! (Bjoern Fransson-SWE, BC-DX/TopNews / DXLD Feb 24)

Sundays only; great way for a new station to build up an audience change freq without notice after the very first show (gh, DXLD)

Yes 7520 (x7560), see Ludo's website: <<http://www.airtime.be/schedule.html>>

Sunday only, per TDP website. Democracy Frontiers website is <<http://www.democracyfrontiers.org/>> (Jerry Berg-USA, DXplorer Feb 16)

Heard in Denmark with 34333, but the first 40 mins was 3 different test tones only! At 2040-2100* clear anti-Ethiopian Govt talk in English. Gave same URL as below and e-mail address: <info@democracyfrontiers.org>

Some extracts from the Democracy Frontiers website:

The Voice of Ethiopia is a radio service for the world community. It is produced by Ethiopian academicians and professionals, residing in Ethiopia and in the Diaspora. The organizers of this radio program do not belong to any political organization, and do not have any political ambition. We are priests, pastors, scientists, Engineers, doctors, nurses and businessmen and women. We are too a group of people who are ashamed by what has become of our beloved Ethiopia! Our only prayer and desire is for dictatorship to vanish from the sacred soil of Ethiopia, and in its place we pray and work very hard for Lady Liberty to reign tall in the Christian Island that is Ethiopia!

The mission of the radio sce is to alert the international community about the current tragedy in Ethiopia from the perspective of Ethiopians. We want to share with the world community our views on the absence of democracy in Ethiopia, and to draw attention to the massive famine and horrendous human rights violations this absence of democracy has brought upon the citizens of Ethiopia! It is also our hope that through this radio sce we will be able to alert the international community of the massive corruption, embezzlement, transfer of public monies to foreign bank accounts of the ruling regime of Ethiopia, and the monumental mismanagement the regime of Meles Zenawi has brought upon Ethiopia...We seek your feedback on how our newly formed radio program is doing. Please send us your constructive feedback to: <info@democracyfrontiers.org>

In addition to the above mentioned message, the VOE has published Anker's reception report on their other web site <<http://www.ethiopiancommentator.com>> under Feedback. The VOE seems to be an En version of Dejan Radio, but from where (Russia)? (Ghibardo via Anker Petersen-DEN, dswci DXW Feb 23)

I sent an e-mail report on their inaugural bc on Feb 16 to <info@democracyfrontiers.org>

After 6 days this short reply came by e-mail:

"Dear Mr. Petersen, Thank you for the feedback on our bc. Please let friends of yours and organizations you belong to know about our progr. We would also very much like to ask you help us in any way you can to fight tyranny.

Have a good day! VOE " It was sent from "EC" with e-mail: <Articles@ethiopiancommentator.com> So this is a real clandestine, brokered by TDP in Belgium. (Anker Petersen-DEN, BC-DX/TopNews Feb 25)

I just do not know where this 7520 is coming from. Checked the two Norwegian freqs, and they were both on the air. But at this time there is a free transmitter at both sites.

On Sat we also listened to 5925 at 1500-1600 UT, VoDemocratic Ethiopia, and we are quite sure that that one is from Juelich. (7520 is NOT mentioned in their recent schedule.). (Erik Koie-DEN, DXLD Feb 25)

Yes, nothing under that name or on that frequency listed. See what I mean? (Hauser-OK)

CLANDESTINE—ASIA Today *Radio Sadayee Kashmir's* programs were noted mixing with that of Urdu Service of AIR. Also yesterday (Saturday) after Radio Sadayee Kashmir's program was over at 0330, for a very short time a Hindi program (of AIR type) in progress was noted. So it looks like an AIR transmitter after all! (Jose Jacob-India/Cumbre DX)[*Maybe not! See below...AQ*] Radio Sadayee Kashmir noted on new frequency and timing for the evening broadcast from today 15th March 2003. They are heard just now on 6100 at 1430 to 1530 UTC (ex 1500-1600 on 6135)

As reported earlier from toady, they were noted on 6100 for the morning broadcast at 0230-0330 (ex 6135, 9890) (Jose Jacob-India/Cumbre DX)

Radio Sadayee Kashmir/Voice of Kashmir in Urdu and Dari tent via Russian transmitter:

0230-0330 6135 co-ch BFBS from 0300, ex 9890
1500-1600 6135 new additional transmission

(Ivo and Angel! Observer, Bulgaria, Feb 25 via DX Listening Digest/Hauser-OK)

Radio Sadayee Kashmir noted with new afternoon broadcast on 9890 at 0730-0830 UT today. They also use 6100 at 0230-0330 & 1430-1530 (Jose Jacob, India, March 23, dx_india/DX Listening Digest/Hauser-OK)

CLANDESTINE—MIDEAST The Lebanese Free Patriotic Movement web site <http://www.tayyar.org> on 20 February carries the following announcement in Arabic:

"*Radio Free Lebanon* to be launched on 25 February. Paris, 20 February: Free Lebanon Radio will to be launched on 25 February following the finalization of all preparations. The broadcast will be on the shortwave frequency 11515 [kHz, at 1600-1700]. It is also possible to listen to the radio programmes by

logging on to the Free Patriotic Movement's web site and also through a satellite TV broadcast. The daily broadcast that is directed at the Middle East will include several programmes including the daily news bulletin and political commentaries." (BBCM/DX Listening Digest/Hauser-OK) 11515, 1600-1700, **Voice of Free Lebanon**, Sawt Loubnan Al-Horriyah, 1600-1700 Arabic LBN 11515 SAM, via Samara-Russia. Had a terrible audio feed on Saturday Mar 1st. Carrier was very strong like Issoudun-France on 11615 kHz at same time, but audio quality suggest coming from Samara instead. Once I should check the harmonic of 23030 kHz too, an indicator for Samara outlets (Wolfgang Bueschel, Germany, Mar 1, BC-DX/DX Listening Digest/Hauser-OK)

Voice of the Liberation of Iraq, heard here to-night on stable 4025.9 kHz from 1828 sign-on with poor to fair signal. After playing "Land of Hope and Glory" heard male announcer with ID in Arabic "huna sawt al-tahrir al-iraq" (this is Voice of the Liberation of Iraq). This was followed by aggressive sounding talk in Arabic by male and female announcers interspersed with military mx. (Dave Kenney-UK, BDXC-UK/DX Listening Digest Mar 12/Hauser-OK)

A new radio station called **Voice of Iraqi Liberation** has commenced broadcasting. The Web site by DXing.info, which was first to break the nx of this station, says that programming is directed at the Iraqi military, especially at the elite Republican Guard forces. Full details, including a recording made here in Hilversum on Tuesday, are in the dossier. <<http://www.rnw.nl/realradio/features/html/iraq-vil.html>> (RNW MN NL Mar 14/BC-DX/Bueschel-DE)

According to an informed source, **Voice of Iraqi Liberation**, 4025 and 1206, is operated by the Iraqi opposition in Sulaymaniyah. Programming is directed at the Iraqi military, especially at the elite Republican Guard forces. DXing.info has been told that there is "cooperation" between the Voice of Iraqi Liberation and the Voice of the People of Kurdistan. A sample station identification of the Voice of Iraqi Liberation and of the Voice of the People of Kurdistan can be found in the DXing.info audio archive. (Mika Maekelainen-FIN, DXing.info Mar 13/BC-DX/Bueschel-DE)

It uses the transmitters of the Voice of the People of Kurdistan, but its programming is clearly separate. For example in the evenings the transmission of the Voice of the People of Kurdistan ends at 1800 UT, followed by a break before the Voice of Iraqi Liberation begins broadcasting. The transmitters are located in Sulaymaniyah in northern Iraq. Voice of the People of Kurdistan is the mouthpiece of Jalal Talabani's Patriotic Union of Kurdistan (PUK). (Cumbre Mar 14)

4025, Voice of Iraqi Liberation: Voice of the People of Kurdistan was rock steady on 4024.16 prior to s-off at 1800. When the Voice of Iraqi Liberation came on at 1830, it started on 4024.60 for a min or

so, and then suddenly re-tuned to 4025.00, right on the nose. It sounded like someone was zero-beating it with a known frequency. The audio is on the MN website at <<http://www.omroep.nl/cgi-bin/streams?/mw/medianetwork/voil030311.rm>>

I was trying to place the s-on mx, which sounded familiar. Now it's come to me: it's the same tune that was used on the Deutsche Soldatensender, that Ea. German clandestine that used to pop up several times a day on 935 MW in the 60s and 70s. I don't know if it's significant, but I can't believe they just chose the tune at random: -) (Andy Sennitt-HOL, hcdx Mar 16/BC-DX/Bueschel-DE) Now changed the ID to the "**Voice of Liberation of Iraq**" in Arabic "Sout Tahrir al Iraq". I'm tuning in to them 1930 UT on 4025 kHz with strange messages to the Iraqi soldiers. "Please don't attack the coalition forces which mainly getting here to liberate you all from the dictator Iraqi regime. So don't listen to the Iraqi regime and never fight these forces, another message, please. Surrender to the coalition forces, drop your arms we will treat you very well and will let you keep your personal stuff with you, otherwise you'll be treated as a POW and will have a justice trial!!!"

Strange Identification and strange messages! Also there was some readings of reports. MAINLY from the Washington Post nx paper!! It's 2000 UT and they are still on with these slogans and reports (Tarek Zeidan, Egypt, SU1TZ, via BC-DX March 7/DX Listening Digest/Hauser-OK)

There are several Kurdish, opposition or clandestine stations representing various factions and ethnic groups within Iraq broadcasting from different locations on a mixture of frequencies in a combination of Arabic and Kurdish. The major ones include:

Voice of Iraqi Kurdistan—broadcasts from Salah al-Din in Kurdish and Arabic in support of the Kurdistan Democratic Party, led by Mas'ud Barzani.

Voice of the People of Kurdistan—broadcasts from Sulaymaniyah in Kurdish and Arabic in support of the Patriotic Union of Kurdistan, led by Jalal Talabani.

Voice of Kurdistan Socialist Democratic Party—mouthpiece of the Kurdistan Socialist Democratic Party, a member of the Democratic Alliance of Kurdistan, an alliance of five parties under the leadership of the Patriotic Union of Kurdistan, formed in December 1996.

Voice of the Iraqi People in Arabic—mouthpiece of the Iraqi Communist Party.

Radio Freedom—mouthpiece of the Communist Party of Iraqi Kurdistan.

Voice of Kurdistan Toilers—mouthpiece of the Iraqi Kurdistan Toilers party.

Voice of the Islamic Revolution in Iraq—opposition radio sponsored by the pro-Iranian Supreme Council of the Islamic Revolution in Iraq.

Radio Tikrit, launched in February 2003, is the latest clandestine radio targeting listeners in Iraq. When monitored in early February, its initial programming was critical of the USA. But over the next two weeks the content of Radio Tikrit's two-hour broadcasts from 1900-2100 every night shifted sharply to a vehemently anti-Saddam Husayn line.

The US Central Intelligence Agency's favored opposition grouping, the Iraqi National Accord (INA), operates two radio stations: **Radio of the Land of the Two Rivers** and **Al-Mustaqbal** (The Future). These use a 50-kw Voice of America transmitter in Kuwait.

Other radio stations that have broadcast to Iraq include **Voice of the Brave Armed Forces**. It targets listeners in the Iraqi military, inciting officers to launch coup attempts. According to US-based analyst Michael Knights of Global Information System, "the latter station is part-run by Jordanian intelligence. Saudi intelligence, meanwhile, has run the Jeddah-based Voice of the Iraqi People since 1991." (BBCM 28 Feb/DX Lisgtening Digest/Hauser-OK)

add: 4159.6, **Voice of the Conservative Party of Kurdistan** (tentative), 1620-1659*, Feb 15, Kurdish songs, drifting to 4158.6 during my listening, ex 4167. (Anker Petersen, Denmark, DSWCI DX Window Feb 26 via DX Listening Digest/Hauser-OK)

4412.9v, **Voice of the People of Kurdistan**, 1655-1805, Feb 11 and 15, Kurdish, ID: "Airra dangi Gelli Kurdistan," 1700-1755 Turkmen, ID: "Burazy Iraq Turkmen Sesi Radiouzel" (This is the Radiovoice of Turkmen Iraq), news, political talks about Kurdistan, folksongs, 1755 Arabic, ID: "Huna idha`at sawt Sha`b Kurdistan, sawt al-Ittihadi a-Watani al-Kurdistan," heard // 4023.4v (Anker Petersen, Denmark, DSWCI DX Window Feb 26 via DXLD)

CONGO Radio Congo, Brazzaville once again active on 4765. Last night I listened to Radio Congo on 4765 from around 1730-1803. The signal was very weak, with vernaculars, mx and ID at 1800 followed by nx in French. The signal disappeared soon after 1800 hrs; more likely the propagation stopped at that time. (Jarmo Patala-FIN, DXing.info via DX Listening Digest Feb 24/Hauser-OK)

CONGO—DEMOCRATIC REPUBLIC Survey of Radios in the East of the Country

The following are some of the radio stations known to be active at present in the northeast of the Democratic Republic of Congo (DRC), an area largely under the control of rival armed groups, mostly acting as proxies for the Kinshasa government, or Uganda or Rwanda. The stations are listed in geographical order, starting from the north:

(Note: Some provincial stations in DRC identify themselves as outlets of the Radio-Television Nationale Congolaise (RTNC), the name used by the state-owned broadcaster based in Kinshasa, even though they are in fact rebel controlled.)

1. **Radio Candip** in Bunia (broadcasting in French and Swahili). Bunia (the capital of Ituri District) is in Orientale Province, close to Lake Albert and the Ugandan border. The town was captured on 6 March 2003 by Ugandan forces. Prior to that date it had been controlled by the Union of Congolese Patriots (UPC, led by Thomas Lubanga), an ally of the pro-Rwanda, anti-Uganda RCD-Goma. The UPC had themselves captured the town in September 2002 from the Ugandan-backed RCD-ML (Congolese Rally for Democracy—Liberation Movement, also known as RCD-Kisangani).

Radio Candip is a long-established station, originally an educational venture (Candip is an acronym for Centre d'Animation et de Diffusion Pedagogique—Educational Broadcasting and Promotion Centre). In late 1996 it was taken over by rebels fighting the then government of Zairean President Mobutu. It again fell under rebel control following the renewal of fighting in the country in 1998. It is heard on shortwave (5066.32 kHz).

Radio Candip, based in the town of Bunia (in Ituri region, northeastern DR Congo), was heard early on 7 March on its usual shortwave frequency of 5066 kHz. A news bulletin in French was broadcast at 0430. It reported that Bunia was now under the control of the Ugandan armed forces.

(International news agencies had earlier reported that Bunia was seized by Ugandan troops on 6 March after fighting with forces of the Union of Congolese Patriots (UPC, led by Thomas Lubanga), an ally of the RCD (Rally for Congolese Democracy)-Goma rebel group (which is backed by Rwanda), which had previously held the town).

In September 2002, BBC Monitoring noted that Radio Candip, previously under the control of the Bunia-based and Ugandan-backed rebel group RCD-ML (Congolese Rally for Democracy—Liberation Movement, also known as RCD-Kisangani), had fallen under the control of Lubanga's forces. Source: Radio Candip, Bunia, in French 0430 7 Mar 03 (via BBCM/DX Listening Digest/Hauser-OK)

2. **RTNC** radio in Butembo (broadcasting in Swahili). Butembo is in Nord-Kivu Province, close to the border with southwest Uganda. It is controlled by the Mbusa Nyamwisi-led faction of a pro-Kinshasa group, the RCD-Kisangani-ML (not to be confused with the anti-Kinshasa, pro-Uganda group, the RCD-ML/RCD-Kisangani). This radio broadcasts on 94.8 FM. (A "Radio Butembo," possibly the same station, was heard in 1997 on shortwave—7060 kHz.)

3. **Radio Moto Beni**-Butembo (broadcasting in Swahili). The towns of Beni and Butembo lie about 40 miles apart, in Nord-Kivu Province. They are both controlled by a pro-Kinshasa group, the RCD-Kisangani-ML, although Radio Moto Beni-Butembo appears to be politically independent. Radio Moto (the word means hot in Swahili) is heard in Butembo on 106.0 FM.

4. **RTNC** radio in Goma (broadcasting in French and Swahili). Goma is the capital of Nord-Kivu Province. It is the HQ of the pro-Rwanda, anti-Kinshasa, anti-Uganda, Rally for Congolese Democracy -Goma (RCD-Goma). This FM radio is the RCD-Goma rebels' main station.

5. **Radio Bukavu** (broadcasting in French and Swahili). Bukavu, the capital of Sud-Kivu Province, lies on the border with southwest Rwanda. The town is controlled by the Rwandan-backed RCD-Goma. Radio Bukavu is heard on shortwave (6713 kHz). According to our records, it was also at one time on 88.4 FM and may still be using that frequency.

6. **RTNC** radio in Uvira (broadcasting in French). Uvira is in Sud-Kivu Province, on the shores of Lake Tanganyika and close to the Burundi border. It is currently controlled by RCD-Goma but has changed hands recently to-and-fro between the RCD-Goma and the Mayi Mayi (a pro-Kinshasa tribal militia). RTNC radio in Uvira currently broadcasts on 93.7 FM. According to our records, in 1998 the station was known to be on 100 FM (it may have changed frequency to avoid interference from stations in nearby Bujumbura, the Burundian capital).

In addition to the above, note may also be made of **Radio Maendeleo** in Bukavu, which is currently off the air after it was closed down and several of its staff arrested in December 2002 by RCD-Goma. (It had previously been closed by the RCD-Goma from July 1999 to August 2001.) Radio Maendeleo (the Swahili word for Development/Progress) had been one of the few independent radio stations in eastern DR Congo. Source: BBC Monitoring research in French and Swahili Mar 03, Chris Greenway (via DXLD)

Radio Kahuzi is on 6209.8 with programming that includes relays of VOA English (Chris Greenway, Nairobi, March BDXC-UK Communication via DX Listening Digest/Hauser-OK)

CUBA Finally a significant frequency change from **Radio Havana Cuba** noted: 0543 March 7, English very good on 11760 // 9820 but not on 6000 (Glenn Hauser, OK, DX Listening Digest)

CYPRUS—NORTHERN 6150.7, **Bayrak Radio International** (presumed) 2351-2358 Mar 10. Bobby Vinton's "Blue Velvet" heard at low level, with QRM almost non-existent at this time. I recognized the female DJ's voice at 2353 as the one I've heard on Bayrak previously. Dr. Gene Scott came on 6150 at 2358 wiping them out. (George Maroti, NY, Cumbre) Per station, sked is 24h, but live programming is only from 0430-2200 UT. (Hauser-OK/DX Listening Digest)

DENMARK **Radio Denmark** via Norway A-03 March 30—October 25, 2003, all programs in Danish:

0030-0055 9930 9985 11635
0130-0155 9975 9985 11635
0230-0255 9975
0330-0355 7490 9960 13800

0430-0455 7465 7490 9475 13800
0530-0555 7465 11615 13800
0630-0655 7180 9590 11615 13800
0730-0755 7180 9590 11615
0830-0855 15735 13800
0930-0955 13800 17500
1030-1055 13800
1130-1155 13800 15705 18950
1230-1255 15705 15735 17520 18950
1330-1355 9590 15705 15735
1430-1455 15705 15735
1530-1555 15705 15735
1630-1655 9920 15705
1730-1755 11615 15705
1830-1855 7490 13800
1930-1955 7490 13800 17505
2030-2055 7490 9510
2130-2155 9510
2230-2255 9925 11845
2330-2355 9415 9945 9985 11845

(Erik Koie-R Denmark/Alokesh Gupta-IND)

ECUADOR Incomplete (missing Australian relay and others) **HCJB World Radio** A03 schedule:

0000-0100	Spanish	6050 15140
0000-0300	Quichua	3220 6080
0000-0600	English	9745 21455
0100-0500	Spanish	6050 9525
0330-0430	Russian	11865
0500-0515	Kikongo	12005
0500-0530	German-H	9780 21455
0530-0600	German-L	9780 21455
0600-0630	Spanish	9655
0600-0800	English	9860 21455
0800-0930	Portuguese	9745 21455
0830-1000	Quichua	3220 6080 6125
0930-1000	German-H	6010 21455
1000-1030	German-L	6010 21455
1000-1400	Quichua	3220 6080
1030-1100	Huarani	6050
1030-1100	Spanish	21455
1100-1430	English	12005 15115 21455
1100-1430	Spanish	6050 11960 15140
1430-1500	Spanish	6050 11960 15140 21455
1500-1530	Spanish	6050 21455
1530-1800	Portuguese	15295
1530-2030	Spanish	6050
1600-1700	Russian	11760-Rampisham
2000-2030	German-H	15590 17795 21455
2000-2200	English	15185
2030-2100	Spanish	6050 15590 21455
2100-2130	Spanish	6050 15140 15590 21455
2100-2130	Quichua	3220 6080
2100-2230	Arabic	12025-Skelton
2130-2300	Spanish	6050 15140 21455
2130-2400	Quichua	3220 6080 9745
2230-2300	German-L	11980 17660
2300-0230	Portuguese	11920
2300-2400	German-H	11980
2300-2400	Spanish	6050 15140 21455

German-H = German (High)

German-L = German (Low)

(Swopan Chakraborty and Alokesh Gupta-IND)

EGYPT Radio Cairo A03:

0000-0030	Arabic	11755 15590
0030-0045	Arabic	11725 11755 15590
0030-0200	Arabic	11725
0045-0200	Spanish	11755 11780 11790
0200-0300	Arabic	12050
0200-0330	English	11780
0300-0350	Arabic	11725 12050
0300-0600	Ar/VOTA	9855 15285
0350-0430	Arabic	9620 9770 9800 11725 12050
0430-0700	Arabic	9620 9770 9800 12050
0600-1400	Ar/VOTA	11720 15285
0700-1015	Arabic	9800 11785 12050 15115
1015-1100	Arabic	9800 11785 12050 15115 17775
1100-1130	Arabic	9800 11540 11785 12050 17775 17800
1115-1215	Thai	17665
1130-1200	Arabic	9800 11540 11785 12050 17775
1200-1215	Arabic	11540 11785 12050 17775
1215-1300	Arabic	11540 11785 12050
1215-1315	Malay	17665
1215-1330	English	17775
1230-1330	Persian	15480
1300-1500	Arabic	11540 11785 12050 15220 17675
1320-1450	Indonesian	17665
1330-1430	Bengali	17775
1330-1530	Persian	15480
1400-1800	Ar/VOTA	15285
1430-1530	Azeri	9780
1500-1600	Pashto	15670
1500-1600	Arabic	11540 12050 15220 17675
1500-1600	Russian	7315
1500-1600	Hindi	15170
1530-1630	Afar	15155
1530-1630	Uzbeki	11635
1530-1730	Swahili	17810
1600-1645	Zulu	15620
1600-1800	Arabic	11540 12050 17675
1600-1800	Albanian	9950
1600-1800	Turkish	6230
1600-1800	Urdu	15170
1630-1730	Somali	15155
1630-1830	English	15255
1645-1730	Shona	15620
1730-1815	Indebele	15620
1730-1900	Amharic	15155
1800-0030	Ar/VOTA	9700 15285
1800-1900	Italian	9988
1800-2000	Arabic	11540 12050
1800-2100	Hausa	9675
1830-1915	Lingala	9755
1830-1930	Wolof	15375

1900-0030	Ar/VOTA	11665
1900-2000	German	9990
1915-2030	Fulani	15425
1930-2030	Bambara	15375
2000-2115	French	9990
2000-2200	Arabic	11540 11750 12050
2030-2200	English	15375
2030-2230	French	15335
2100-2200	Yoruba	9675
2115-2245	English	9990
2200-2330	Arabic	11540 12050
2215-2330	Portuguese	11790
2300-0030	English	11725
2330-2400	Arabic	11540 11755 12050 15590

Arabic=General Program
Ar/VOTA=Voice Of The Arabs (Arabic)
(Alokesh Gupta-India)

EQUATORIAL GUINEA 6 Mar at 1812 on 5005 a station with African music and talks in local language. Several mentions of "Guinea Equatorial." Transmitter went off at 1829. I think *Radio Nacional de Guinea Equatorial* in Bata is testing. Audio was clean and sharp, signal strength rather good as it used to be in the past. Maybe the Chinese engineers got the new transmitter up and testing now. Nice if this station is activated again. (Jari Savolainen-Finland/Cumbre DX)

ETHIOPIA 9561.07, 1601-, *Radio Ethiopia* Feb 22 Fair reception of a variety program in English presented by a man and woman with modern western music. A very tough frequency with loud hets and much adjacent splatter. (Salmaniw-BC/Cumbre DX)
GABON On 18 Mar at 1731 Radio Gabon noted again on 4777. At 1739 "Radio Gabon" id by female. (Jari Savolainen-Finland/Cumbre DX)

GERMANY Deutsche Welle English broadcasts for A-03:

0000-0100	7130T 9505T 9825W
0400-0500	7225K 11945K 15410W
0500-0600	9700K 11925S 12045K 13755M 15410W
0600-0700	9780S 15275W 17860K
0700-1000	6140J
0900-1000	15440S (DRM)
1000-1030	17615T 17715T
1000-1100	6140J 15440S (DRM)
1100-1200	15110T 17820T
1100-1200	6140J 15440S (DRM)
1200-1300	15440S (DRM)
1200-1600	6140J
1600-1700	6140J 6170T 7225T 17959W
1700-1900	6140J
1900-2000	6180K 7225K 11965T 13590W 15390K
2000-2100	9780T 15205N 17810W
2100-2200	9440W 11865K 15205K
2200-2300	9720T 15605Ko
2300-2400	9890T 17860V

J=Juelich, Germany
 K=Kigali, Rwanda
 Ko=Komsomolsk, Russia
 M=Malata Vol., Madagascar
 N=Nauen, Germany
 S=Sines, Portugal
 T=Trincomalee, Sri Lanka
 V=Vladivostok, Russia
 W=Wertachtal, Germany
 (Alokesh Gupta-IND)

Trans World Radio (TWR)

0645-0750	English	6045J Sa
0645-0820	English	6045J Su
0655-0820	English	6045J Mo-Fr
1230-1245	Slovenian	9490J Th/Su
1230-1245	Serbo-Cr	9490J Mo/Tu/We/Fr/Sa
1600-1645	Rumanian	7135N 9660J Sa

J=Julich

N=Nauen

(Bernhard Schraut/TWR/Gupta-India/Cumbre DX)

GUAM Trans World Radio - Guam (KTWR) A'03 Summer Schedule

0725-0900	English	15205 Mo-Fr
0730-0900	English	15205 Sa/Su
0745-0930	English	15330 Mo-Fr
0815-0930	English	15330 Sa/Su
0900-0915	Balinese	15200 Mo/Tu/We/Fr/Sa/Su
0900-0915	Torajanese	15200 We/Th
0915-0930	Mandarin	9910 12130
0915-1000	Madurese	15200
0930-1100	Mandarin	9865
0930-1100	Indonesian	9910 12130 15330
1030-1100	Sundanese	15200
1100-1200	Vietnamese	9430
1100-1200	Korean	11765
1100-1230	Indonesian	15200
1100-1615	Mandarin	7455
1100-1615	Mandarin	12130
1200-1300	Javanese	11850
1200-1300	Japanese	9465
1230-1330	Khmer	11720
1300-1330	Mandarin	9975
1300-1415	Burmese	15365
1330-1400	Indian	15395
1330-1400	Swatow	9975
1400-1415	Cantonese	9975 Sa
1400-1445	Cantonese	9975 Mo-Fr
1400-1445	Vietnamese	9430
1400-1500	Cantonese	9975 Su
1415-1445	Sgaw Karan	15330
1445-1545	English	15330
1600-1630	Korean	9740 Su
2100-2200	Japanese	11690
2115-2200	Mandarin	12130
2200-2215	Cantonese	11875 Sa
2200-2230	Indonesian	15195
2200-2230	Vietnamese	13715
2200-2245	Cantonese	11875 Mo-Fr
2200-2300	Cantonese	11875 Su

2200-2315 Mandarin 15585

2230-2300 Hakka 12105

(Alokesh Gupta-India/Cumbre DX)

GUATEMALA Came across *Radio Cultural*, Guatemala on 3300 kHz with a music program this morning at 1106. Clear Radio Cultural ID at 1111 by a male announcer. Not heard for some months. Strong S9 signal on the JRC NRD-515. (John Sgrulletta-NY/Cumbre DX) 5955 Radio Cultural Wayne Berger advises that this outlet is still on, // 3300, and is running 1 kW. Not propagating here for the moment. (Johnson Mar/Cumbre DX)

GUYANA GBC, Voice of Guyana, reactivated after several months absence, on 3291.03, Feb 22, 0245-0330+ English, coverage of local parade with descriptions of floats and costumes. Interviews with local people, IDs. BBCWS news at 0400 followed by other BBC programming. Noted at 0840 with Hindi vocals and 0850 birthday greetings. Fair-good (Brian Alexander, PA, DX Listening Digest/Hauser-OK) Apparently off the air again; heard on 3291 Feb 22, but no sign of them March 1 at various checks on 3290 and 5950 between 0100 and 0900+ (Brian Alexander, PA/DX Listening Digest/Hauser-OK)

HUNGARY Summer A-03 schedule for Radio Budapest:

0000-0058	Hungarian	9800
0100-0128	English	9590
0130-0228	Hungarian	9570
0230-0258	English	9570
0300-0328	Russian	3975 6025
0330-0358	Spanish	3975 6025
0400-1058	Hungarian	6025* Su
0400-1558	Hungarian	6025* Mo-Sa
1100-1158	Hungarian	6025 Su
1100-1158	Hungarian	21560
1200-1258	German	6025 7220
1300-1358	Hungarian	6025 Su
1400-1458	German	6025 7160
1500-1528	English	6025 9715 Su
1530-1558	Russian	6025 9740 Su
1600-1628	French	3975 6025
1630-1658	Italian	6025 9525
1700-1728	Russian	6025 9650 Mo-Sa
1700-1758	German	5970 6025
1700-1758	Hungarian	15275
1730-1758	German	3975 6025 Mo-Sa
1800-1858	Hungarian	3975 6025 7170
1900-1928	English	3975 6025 11720
1930-1958	Russian	3975 6025 Su
1930-1958	German	3975 6025 Mo-Sa
2000-2028	French	6025 7185
2000-2058	Hungarian	11890
2030-2058	Italian	3975 6025
2100-2128	English	6025 11890
2100-2158	Hungarian	9780
2130-2158	Spanish	6025 11685
2200-2258	Hungarian	6025 9850 11990
2300-2358	Hungarian	9850 11990 Mo

* Relay Kossuth Radio (Ivo and Angel! Observer March 19/DX Listening Digest/Hauser-OK)

INDONESIA 3266, 1350-1401, **RRI Gorontalo** Mar 17 Another Indo station this morning with out of the ordinary mx best described as traditional bluegrass sung in Indo, complete with the southern twang! ID but no SCI at 1400, and into rx items. Good signal. (Guy Atkins-WA-USA, DXplorer Mar 17/BC-DX/TopNews/Bueschel-DE)

3325, 1458-1502, **RRI Palangkaraya** Mar 2 Male annr with annts, frequency, and ID 1459. Brief SCI and into Jakarta network ID and news. Poor. (Guy Atkins-WA-USA, DXplorer Mar 2/BC-DX/TopNews/Bueschel-DE)

3345, 1355-1358, **RRI Ternate** Mar 17 Noted in passing with lagu melayu and talk by male announcer. Good to very good level. (Guy Atkins-WA-USA, DXplorer Mar 17/BC-DX/TopNews/Bueschel-DE)

4606.4 **RRI Serui**(p) 1258-1330+. Instr mx to 1300:30, then talks, no SCI noted. (Wilkins-CO 3/16/Cumbre DX)

4925, 1345-1350, **RRI Jambi** Mar 17 Quite amusing Indo reggae mx at very strong level this morning. Mentions of 'Jambi' at 1348 by male announcer, then back to the Indo reggae grooves at 1349. (Guy Atkins-WA-USA, DXplorer Mar 17/BC-DX/TopNews/Bueschel-DE)

RRI must have fixed some of its SW transmitters at Cimanggis. Around 0300 on 14 March, **Voice of Indonesia** (Ext Service) was noted on both 9525 and 11785 in INSn and Arabic, and one of the domestic networks was on 9680 and 11860 with RRI nx at the top of the hour. The domestic sce was probably Pro-2 or Pro-3 but I missed most of the network ID at 0305. All gave good reception here except 11860, which until 0300 clashes with Radio JPN via Merlin-Singapore. In recent months, only V of INS had been heard on one freq at any given time out of 9525, 11785 or 15150 kHz. (Alan Davies, Surabaya-INS, BC-DX/Topnews Mar 14/Bueschel-DE)

IRAQ Per various reports, as late as March 23 both **Radio Baghdad** frequencies -6175 and 11787—were still on the air, albeit with little or no audio. As of yesterday and today (March 28), I hear nothing from either channel. [AQ-NY]

Here's the latest update for **American Psyops** transmissions out of Kuwait. Only the times have changed (with MORE hours of transmission time):

690 (1500-2000 UT)
756 (1500-0900 UT)
9715 (24 hours, multiple platforms)
11292 (1500-0900 UT)
100.4 (1500-2000 UT)

(Tim Lemmon, WK4U, Bahrain, March 9/DX Listening Digest/Hauser-OK)

Most of all of the USA-supported radio broad-

casts aimed towards Iraq, contrary to what people believe, are transmitted from landbased stations on a suitable skip distance from Iraq. The airborne radio traffic is mainly in the TV- and FM-bands (Commando Solo) from modified C-130 Hercules air crafts. SA (Stig Adolfsson, SW Bulletin March 9, translated by editor Thomas Nilsson/DX Listening Digest/Hauser-OK)

Worth noting however that the GHFS (or whatever they're now called) is unlikely to have any war or real tactical related traffic on it -it'll just be routine transport and so forth. 7630 is probably the most active live warzone frequency I've found so far with 4039 and 4739 coming in joint second (David Ross, ODXA/DX Listening Digest/Hauser-OK)

Here is another useful set of frequencies. <http://www.angelfire.com/mb/amandx/mbmil.html> Particularly the CANFORCES CFARS network at the bottom of the page.

A list of Canadian ships using this network: <http://www3.sympatico.ca/gunslinger/cfars.htm>

A list of land based stations: <http://www3.sympatico.ca/gunslinger/members.htm> (David Ross/DX Listening Digest/Hauser-OK)

ISRAEL The IBA [**Kol Israel**] changed its schedule because of the war in the area.

DELETE:

6280 0500-0530 ENG+FREN.
9435 0500-0530 ENG+FREN.
17600 0500-0515 ENG+FREN.

ADD:

6280 0600-0630 ENG+FREN.
9435 0600-0630 ENG+FREN.
17600 0600-0615 ENG+FREN.

(Moshe Oren BEZEQ Engineering & planning Division Radio & TV broadcasting section, March 20/DX Listening Digest/Hauser-OK)

ITALY RAI International A03 schedule:

0000-0055	Italian	9675 9840 11800 12030
0055-0115	Spanish	9675 9840 11800 12030
0115-0130	French	9675 11800
0115-0130	Portuguese	9840 12030
0130-0230	Italian	6110 9675 9840 11765 11800 12030
0230-0315	Italian	9675 9840 11800 12030
0315-0335	Spanish	9675 9840 11800 12030
0345-0405	Russian	7235 9670 11800
0400-2200	Italian-U	6060
0405-0425	Ukrainian	7235 9670 11800
0435-0455	Amharic	11900
0435-0500	It/English	6110 7235 9875
0455-0530	Italian	11900
0505-0525	Lithuanian	9670 11800

0530-0550	Somali	11900
0530-0550	Romanian	9670 11800
0600-0620	Arabic	11900
0600-0620	Russian	11800
0630-1000	Italian	9670 11800
1000-1100	Italian	9670 11800 11920
1100-1300*	Italian	9670 11800
1330-1355	Arabic	9670 11800
1335-1355	Albanian	7190 9690
1400-1415	Slovene	7190 9690
1400-1425*	Italian	17780 21520
1415-1435	German	7190 9690
1435-1455	Croatian	7190 9690
1500-1520	Turkish	9690 11700
1500-1525*	Italian	9670 11795 11925
1520-1540	Greek	9690 11700
1530-1555	French	9670 11855
1540-1600	Bulgarian	9690 11700
1555-1625*	Italian	9670 11855
1605-1625	Russian	9845 11700
1630-1655	Arabic	9605 11665
1630-1655	French	9670 11700
1700-1800	Italian	9670 9730 11725 11795 15320 17800
1805-1825	German	5990 9605
1810-1825	Czech	6130 7115
1825-1840	Slovak	6130 7115
1830-1905	Italian	17780 21520
1840-1900	Polish	6130 7115
1910-1930	Serbian	6130 7240
1910-1930	Somali	9795 11890
1935-1955	English	5970 9745
1935-1955	Hungarian	6130 7240
2000-2020	Esperanto	6110 9745 Sa
2000-2020	Russian	6185 9670 11800
2000-2020	Swedish	6110 9745 Mo/We/Fr
2000-2020	Danish	6110 9745 Su/Tu/Th
2025-2045	Arabic	6130 7290
2025-2045	English	6185 9670 11880
2050-2110	Portuguese	6130 7290 9670 11880 15240
2110-2130	Spanish	6130 7290
2115-2135	Romanian	5970 7255
2135-2155	Czech	5970 7255
2135-2155	Arabic	6130 7290
2155-2210	Slovak	5970 7255
2200-0400	Italian-N	6060
2205-2230	English	11895
2210-2225	Polish	5970 7255
2240-2400	Italian	9675 9840 11800 12030

* On Sundays from 1245-1630, the programs are replaced by news and commentaries of sporting events in Italian language, 'Tutto il calcio minuto per minuto' and 'Domenica Sport':

1245-1630 Italian 9670 21520 21535
21710

Italian-N = Notturmo dall'Italia

Italian-U = Radiouno

(Roberto Scaglione-IT/HardCore DX)

IRRS-Shortwave, Milano:

0530-0630	English	13840 Mo-Fr
0800-1300	German	13840 Sa/Su
1900-2030	En/Ge/It	5780(alt 6290)

(IRRS-Shortwave/Alokesh Gupta-India/Cumbre DX)

JAPAN From Wed. 19 March *NHK World Radio Japan* has augmented and changed its broadcast schedule:

0000-0300	Japanese	6180 Rampisham
0100-0200	English	17560 Yamata <--- transmission suspended
0300-0400	Japanese	9755 Dhabayya
0400-0430	Arabic	11930 Gabon
0400-1200	Japanese	15455 Dhabayya
0500-0530	French	17820 Sri Lanka
0630-0800	Arabic	15220 Ascension
1200-1500	Japanese	17765 Rampisham
1500-1520	French	7190 Yamata
1500-1700	Japanese	17765 Rampisham
1600-1630	Arabic	11880 Sri Lanka
1630-1700	French	11880 Sri Lanka
1700-1800	Japanese	5985 Dhabayya
1800-2000	Japanese	6015 Dhabayya
2000-2200	Japanese	6145 Dhabayya
2200-2400	Japanese	5970 Dhabayya

(NHK March 19/BC-DX/Bueschel-DE)

KUWAIT Apparently *Radio Kuwait* dropped not only Persian but also English. Uwe Volk noted around 1900 on 11990 Arabic instead; see the below included message. Still Arabic on 11990 right now (2020). Offenbar hat Radio Kuwait sein Programm in Englisch (1800-2100 UT 11990 kHz) gestrichen, gegen 1900 UT ist nur Arabisch zu hoeren. // Frequenzen: 9855, 9880, 15495 kHz. Viele Gruesse, (Uwe Volk, A-DX via Wolfgang Bueschel/DX Listening Digest/Hauser-OK)

LESOTHO 4800, *Radio Lesotho* 0401-0408 Feb 26. At tune-in, heard their usual ToH music played on the Lesiba, a local wind instrument. This was followed by pips, and into the presumed news read by a female. At. 0406 an instrumental version of Leo Sayer's "When I Need You," followed by more talk by the female. (George Maroti, NY, Cumbre)

MONACO *Trans World Radio* (TWR)

0645-0750	English	9870 Sa
0645-0820	English	9870 Su
0655-0820	English	9870 Mo-Fr
0830-0845	German	9795 Mo-Sa
0830-0845	German	7160 Mo-Sa
0830-0915	German	7160 Su
0830-0915	German	9795 Su
1230-1245	Serbo-Cr	7280 Mo/Tu/We/Fr/Sa
1230-1245	Slovenian	7280 Th/Su
1300-1330	German	9795 Su
1300-1330	German	7160 Su
1330-1400	German	9795
1330-1400	German	7160

(Bernhard Schraut/TWR/Gupta-India/Cumbre DX)

MYANMAR 5040.6 *Radio Myanmar*, at 1447 non-stop talking (vernac.), fair-good, best ever heard. Believe 4725 signs-off earlier. At 1502 checked 5985.0, noted English ID "This is Yangon," older En pop mx, 1508 back to 5040.6 to find open carrier and 1509*. (Ron Howard-CA-USA, DXplorer Feb 25/BC-DX/TopNews/Bueschel-DE)

NETHERLANDS *Radio Netherlands* Tentative Schedule, valid 30th March:

0000-0025	Spanish	9895F 11720F 15315B
0025-0125	Spanish	9895F 15315B
0130-0225	Dutch	9895F 15315B
0130-0325	Spanish	6165B 9845B
0230-0330	AWR	3215M
0300-0356	RVI	15565B
0330-0425	Dutch	6165B 7310M 9590B 15560M 11970B
0400-0600	D	12060M 15320M Sa-Tu
0430-0500	VO Hope	15400B Sa/Su
0430-0530	DRM	6165B 9590B
0430-0530	English	6165B 9590B
0500-0557	Dutch	5955F 7125F 9895F
0500-0600	D	13755M
0600-0657	Dutch	5955F 9895F 11935F
0700-0757	Dutch	5955F 9820B 9895F 11655B 11935F 5955F 13700F
0800-1030	Dutch	6020B Mo-Sa
0930-1015	Dutch	9785B 12065P 13710I
0930-1130	English	5955F 9720B 13700F 13820Kh 17575M 21480M
1030-1125	Dutch	5965Sa 6045J 9860W
1100-1125	English	15450B
1130-1157	Spanish	6165B 9715B
1130-1325	Spanish	11690S 17580M 21480M
1130-1330	Indonesian	Dutch
1200-1225	Dutch	5955F 13700F
1228-1325	Spanish	6165B 9715B
1330-1425	IBC	17495M
1429-1526	Dutch	5955F 9890P 12065T 13695Kh 13700F 17580M 21480M 17495M
1430-1625	DV	9890M 11835M 12075T 15220Sa
1430-1630	English	5955F 13700F
1630-1700	Dutch	3215M 5955F 6020M 11655M 13700F
1700-1725	Dutch	6020M 11655M
1700-1755	V	7190M
1730-1825	Dutch	9895F 13700F 15560F 21590B 6020M 7120M 11655F
1730-2025	English	7195M
1800-1900	RVI	9895F 13700F 17605B 21590B
1830-2025	English	15245F
1900-1959	RCI	

2030-2125	Dutch	5835K 6015F 6020B/M 7120M 9895F 11655F 13700F 15155B 15315B 17605B 21590B
2130-2159	RCI	7235F 13690F
2130-2325	Indonesian	6120S 7285M 9590M
2230-2325	Spanish	9895F 11720B 15315B
2230-2326	RVI	15565B
2325-2400	Spanish	9895F 11720F 15315B
2330-0025	Dutch	7280M 9590S 17590Kh
2330-0030	DRM	15455B
2330-0030	DV	9760M
2330-0125	English	6165B 9845B

B=Bonaire
F=Flevo
I=Irkutsk
J=Julich
K=Kaliningrad
Kh=Khabarovsk
M=Madagascar
P=Petrovlovsk
S=Singapore
Sa=Sackville
T=Tashkent
W=Wertachtal

(Roberto Scaglione-Italy/BCL News/Hard Core DX)

Due to the Iraq crisis, Radio Netherlands has added the following frequencies in Dutch via Flevo as of today: 0330-0425 UTC 7310 kHz beamed towards Turkey and Israel, also audible in Saudi Arabia, Kuwait, Iran and Iraq. 1330-1425 UTC 21735 kHz beamed towards Afghanistan and Pakistan. These are not new broadcasts, merely additional frequencies added to our existing broadcasts so that Dutch expats in the region can follow events and receive any government advice etc. (Andy Sennitt, 1834 UT March 19/DX Listening Digest/Hauser-OK)

NEW ZEALAND Massive power price increases have prompted *Radio New Zealand International* to reduce transmission power from 100 to 50 kW and also reduce transmission hours. Unseasonably dry weather has pushed the spot price for electricity to a multiple of its usual level. Most of RNZ's domestic broadcasts are now powered by diesel generators because of the high electricity costs. RNZI's Manager, Linden Clark, says restrictions won't last beyond the end of March. RNZI will close transmission after the breakfast session at 2220 UT. RNZI revised transmission hours are as follows:

0000-0100	17675
0300-0400	17675
0500-0705	15340
0706-1106	11675
1106-1300	15175
1700-2220	15265

(via John Figliozzi/DX Listening Digest/Hauser-OK)

If things normalize, this is/was the RNZI A03 schedule:

0506-0705	11825
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0706-1105 9885
 1106-1305 9885
 1306-1650* 6095
 1650-1750 6095 Su-Th
 1750-1850 11980 Mo-Fr
 1851-2215 15160
 2216-0505 17675

*Usual closedown is 1305 UT—this frequency is for occasional overnight broadcasts to the Pacific for Sports commentaries or Cyclone Warnings. (Alokesh Gupta-IND)

NIGERIA Per a phonecall to the station, *Radio Nigeria Enugu* is no longer available on shortwave and have no plans to return soon. (Emmanuel Ezeani, Nigeria, March 12/DX Listening Digest/Hauser-OK)

OMAN *Radio Oman* A'03 Freq Schedule

0000-0200	Arabic	9760T
0200-0300	Arabic	6085S 15355T
0300-0400	English	15355T
0300-0400	Arabic	6085S
0400-0600	Arabic	9515S 17590T
0600-1000	Arabic	13640S 17630T
1000-1400	Arabic	13640S
1400-1500	English	15140T
1400-1500	Arabic	15375S
1500-1800	Arabic	15140T 15375S
1800-2000	Arabic	6190S 15355T
2000-2200	Arabic	6085S 13640T
2200-2300	Arabic	15355T
2300-2400	Arabic	15355T

S=Seeb

T=Thumrait

(Alokesh Gupta-India)

PAKISTAN *Radio Pakistan* HS noted on 7571 kHz in Urdu at around 2345 UT parallel to 585 kHz MW. (Jose Jacob-IND, March 6, dx_india/DX Listening Digest/Hauser-OK) Nominal 7570 is a relay of the new overnight domestic service and intended for the Gulf & ME at 252 degrees from Islamabad. Current schedule on this frequency is 1915-0045 (Noel R. Green-UK, Mar 12, GRDXC/DX Listening Digest/Hauser-OK)

PERU 4964.27/.97 *Radio Santa Monica*, el departamento de Cusco. Feb 17 2003—0115 UTC. Vanished at 0121 UTC without any particular ceremony so I couldn't get the exact QTH. Several very clear "Radio Santa Monica"-IDs. On MW 1370 kHz is listed a "Radio Santa Monica" in Cusco. Maybe this on has started broadcasts on SW? I have big trouble with splash from Federacion Shuar in Sucua on 4960+ khz but Feb 21 Santa Monica was heard quite well, then on 4964.97 kHz, with a transmission from "Santiago los Jardnes" where a "fiesta" was held. Greetings and music for a person in el distrito de "Ancahuasi" located in la provincia de "Anta," el departamento de "Cusco." At this occasion

the station closed down at about 0100 UTC. (Bjorn Malm via Nilsson/Cumbre DX) *Radio Santa Monica*, which recently launched its shortwave transmissions on 4965, is a commercial broadcaster in Cusco. Seemingly the station uses the shortwave transmitter of Radio San Miguel. I visited the station on September 21, 1999, while I was in Cusco to study the broadcasting circumstances. The studio is located at Urbanizacin Marcavalle P-20, Cusco. Radio Santa Mnica broadcast daily at 0800-0400 daily simultaneously on 1370 kHz medium wave and 93.9 MHz FM. The station has specialized in Peruvian folk music programming. In particular, the station featured Andean folklore with a lot of DJ chatter, personal messages and greeting services whole day with the exception of a newscast entitled "60 minutes" which is on the air at 1700-1800 from Monday through Friday. The broadcasting enterprise "Productoras Musical Flower—Radio Santa Mnica" was established by Walter Farfan Flower on May 24, 1988.

As of September 1999, the station broadcast simultaneously on 1370 kHz with a Philips brand transmitter of 1 kW and 1/4-wave vertical antenna (54 meters high above the ground) and on 93.9 MHz with a transmitter manufactured by Carlos Valdeigleacias (a radio engineer of Cusco). On February 10, 1992, the medium wave outlet was licensed with the callsign OAZ7B under Ministerial Resolution No. 0076-92-TCC/15.17. On July 26, 1996, the FM outlet was licensed with the callsign OCV7S under Ministerial Resolution No.0 327-96-TCC/15.17. The transmitter site is located at Cerro Arco Ticatica, Cruz Verde (about 10 km away from the studio). The station has a repeating outlet at Anta, broadcasting on 105.3 MHz with an output power of 0.3 kW. On October 16, 1996, the Anta station was licensed with the callsign OCT7N under Ministerial Resolution No. 0585-96-TCC/15.17 (Takayuki Inoue Nozaki, Relampago DX at hard-core-dx March 13/DX Listening Digest/Hauser-OK)

PORTUGAL RDP *Internacional-Radio Portugal* A03 transmission schedule from March 30th to October 25th (all transmissions in Portuguese):

Monday to Friday:

0000-0200	9715 11655 13660 13700 15285
0500-0645	9815 9840 15585
0645-0700	9815 9840 11850 15585
0700-0755	9815 9840 11850
0750-0800	11850
0800-1000	11960 12020
1000-1200	11960 12020 21725 21655 21830
1300-1500	21810
1500-1600	17575
1600-1900	15445 15525 17575 17650 17680 21655 21800
1900-2300	17575
1900-2300*	11945 13720 21540 21800
2300-0200	9715 11655 13660 13700 15285

Saturday and Sundays:

0700-0800	12020 13640 21655 21830
0800-0830	12020 13640 21655 21830
0830-1000	11995 12020 13640 21655 21830
1000-1200	12020 13640 21655 21830
1200-1345	12020 13640 17615 17575 21655 21800& 21830
1345-1400	17575 17615 21655 21800& 21830
1400-1655	13770 15555 17575 17615 21655 21800& 21830
1655-1700	13770 15555 17575 17615 21655 21800&
1655-2000	13770 15555 17575 17615 21655 21800&
1700-2000	13770 15555 17575 17615 17680 21655 21800&
1900-2300*	11945 13720 21540 21800
2000-2300+	15555 17575

* Extraordinary transmissions + Extension to 2300 probably & temporarily inactive (Ramon Vazquez, Spain/DX Listening Digest/Hauser-OK)

RUSSIA Voice of Russia, via Vladivostok in Siberia, is now scheduled on new 3955 kHz with 100 kW with this schedule:

1000-1100	Korean
1100-1200	Mandarin
1200-1300	Korean
1300-1500	Mandarin

(Bob Padula-AUS, edxp Mar 15)

SAINT PIERRE & MIQUELON I recently emailed the engineer at *RFO St Pierre et Miquelon* 1375 kHz and in addition to a helpful reply received the news that the MW transmitter will close down in the next few weeks (Paul Crankshaw, Scotland, Medium Wave Circle/Mike Barraclough/DX Listening Digest/Hauser-OK) What a shame! The last exotic North American MW station, and a feasible catch for many with its unique split frequency (Glenn Hauser-OK/DX Listening Digest) [Not shortwave, so sue me...AQ]

SEYCHELLES By time you read this, *FEBA Radio* will have ceased transmissions from the Seychelles site. The transmitters are already spoken for: "Our organization is purchasing the three 100 kW's from Far East on the Seychelles. Sorry I couldn't tell you sooner. We are shipping one to Liberia and the other two back to the US. One may end up at an undetermined location." (Doc Burkhart, WJIE, Feb 27, DX Listening Digest/Hauser-OK)

TURKEY Voice of Turkey A03:

0000-0400	Turkish	5960 9460 11885
0100-0200	Uzbek	9555
0300-0400	English	7270 9650 11655
0400-0600	Arabic	9560
0400-0700	Turkish	9460 11750 11955 15350 15545 17690
0700-0800	Georgian	11690
0700-0830	Azerbaijani	11730 15140
0700-0900	Turkish	9460 11750 11955 15545

0800-0900	Macedonian	11690
0830-0930	Persian	11795 17705
0900-1100	Arabic	11690 15520
0900-1200	Turkish	9460 11955 15350 21715
0930-1030	Rumanian	9560
0930-1030	Hungarian	13770
1000-1500	Turkish	17630 Fr
1030-1130	Greek	11930
1100-1200	Chinese	17715
1130-1230	Albanian	11875
1130-1230	German	7295 15470
1200-1300	Urdu	17715
1200-1600	Turkish	9460 11955 13655 15350
1230-1330	English	17595 17830
1230-1400	Persian	11940
1300-1400	Russian	15450
1330-1400	Serbian	11860
1330-1430	Bulgarian	7140
1400-1500	Azerbaijani	11865
1400-1600	Arabic	11735 17790
1430-1530	Greek	9655
1500-1600	Kazakh	11860
1530-1630	Turkmen	11905
1600-1630	Croatian	11970
1600-1700	Turkish	5960 5980 9460 9560
1600-1700	Kyrgyz	11860
1630-1700	Spanish	15150
1700-1800	Russian	9675
1700-1800	Uzbek	6115
1700-2200	Turkish	5960 5980 7215 9460 9560
1730-1830	German	13640
1800-1900	Bosnian	9500
1800-1900	Tatar	6175
1830-1930	English	9785
1930-2030	French	9535 11850
2030-2130	English	9525
2200-2300	English	9830 11960
2200-2400	Turkish	5960 9460 11885

(Alokesh Gupta-IND)

UKRAINE Radio Ukraine International. Tent Summer broadcasting / A03 schedule

0000-0100	Ukrainian	9620
0000-0100	English	12040N
0100-0300	Ukrainian	9620 12040N
0300-0400	Ukrainian	9620
0300-0400	English	12040N
0400-0700	Ukrainian	7410
0700-1100	Ukrainian	15415
1100-1200	English	15415
1200-1300	Ukrainian	15415
1300-1700	Ukrainian	9620
1700-1800	German	11550
1800-2000	Ukrainian	11550
2000-2100	German	11550
2100-2200	English	5905
2200-2300	Ukrainian	5905
2300-2400	Ukrainian	12040N
2300-2400	German	5905

Further changes are possible, in particular, the transmitters from Brovary could be included. In the view of creation of the new international broadcasting Company "Ukraine and Svit " there can be more serious changes in the program schedule. (Alexander Egorov-UKR, RUS_dx, Mar 16/BC-DX/Top-News/Bueschel-DE)

UNITED KINGDOM There has been some discussion on this list regarding *British Forces Radio*. BFBS is streaming live on the internet. Click on the following link: <<http://www.ssvc.com/bfbs/liveaudio.htm>> (Sandy Finlayson, swprogrs via DXLD, Mar 17)

UNITED STATES OF AMERICA KNLS until April 27:

0800-0900	English	11765
0900-1000	Russian	11765
1000-1100	Mandarin	11765
1100-1200	Russian	9615
1200-1300	Mandarin	11765
1300-1400	English	11870
1400-1600	Mandarin	11870
1600-1700	Mandarin	9615
1700-1800	Russian	12105

(KNLS Website via Alan Roe, Teddington, UK)

WBOH heard with tests at 0820 on March 8th. A female announcer says..."This is WBOH conducting equipment tests on five nine two zero kilohertz. If you would like to send a reception report of this test write to FBN, 520 Roberts Road, Newport, North Carolina 28570, USA. The address again. This is WBOH conducting equipment tests on five nine two zero kilohertz." Broadcasts a continuous tone between announcements.

The actual frequency is closer to 5919.8 and signal strength fairly good, peaking to 5 on my meter, compared to WTJC 9370 which is peaking 7. (Noel R. Green-UK/Cumbre DX)

WBOH FBN is in the midst of setting up the second SW station in Newport, N.C...The goal is to reach Central and South America with programming in English, Spanish, and Brazilian. The call is WBOH (Worldwide Beacon Of Hope) and the freq is 5920 kHz. WBOH started testing on 5920 kHz in September 2002. US DXer Ralph Brandi was the first to log the station on September 30, with the low test power of 30-40 watts. Final operation power is 50 kW. Lots of pictures at <http://home.ec.n.com/fbn/Projects.htm>

Address: Grace Missionary Baptist Church, 520 Roberts Road, Newport, N.C. 28570, U.S.A. Website: <<http://www.fbnradio.com/>> Emails: <fbn@clis.com>

Phone: +1 252-223-4600 Fax: +1 252-223-2201

(hcdx Mar 9)

Charles Josey, K4LNL, owner and operator of shortwave station **WWBS**, Macon, GA died on Febru-

ary 28. (Ken W. English-UT, March 19/DX Listening Digest/Hauser-OK)

WYFR A-03:

0000-0045	Portuguese	17725	17750	17805
0000-0100	French	15255		
0000-0100	Spanish	5985	11855	15215 15255
		17750	17845	
0000-0100	English	6065	9505	15130
0045-0100	Portuguese	17725	17750	
0100-0145	Portuguese	15130	17725	
0100-0200	Spanish	5985	11855	15255 17750
0100-0200	English	6065	9505	
0200-0245	Spanish	11740	15440	
0200-0300	Portuguese	17750		
0200-0300	English	5985	6065	9505 11855
		15255		
0245-0300	Spanish	11740		
0300-0304	Spanish	5985	11855	15255
0300-0400	English	6065	9505	11740
0300-0400	German	9355		
0304-0345	Spanish	5985	9715	11855 15255
0304-0400	Russian	7355		
0345-0400	Spanish	5985	9715	11855
0400-0445	English	6065	7355	9355 9505 9715
		11580		
0400-0445	Spanish	5985	11855	
0400-0500	Portuguese	11530		
0400-0500	German	9985		
0445-0500	English	7355	9355	9715 11580
0500-0600	English	9355		
0500-0600	French	11530		
0500-0600	Spanish	9715	9985	
0500-0600	Mandarin	5985		
0500-0600	Arabic	11580	13695	
0500-0600	German	7355		
0504-0600	Russian	7520		
0600-0700	English	7355	11580	
0600-0700	Arabic	11530		
0600-0700	Cantonese	5985		
0600-0700	Italian	9985		
0600-0700	French	7520	13695	
0700-0745	Spanish	7520		
0700-0745	Portuguese	9985		
0700-0745	English	7355	11530	13695
0700-0800	Italian	11580		
0745-0800	English	11530		
0800-0804	Portuguese	11770		
0800-0845	French	11530		
0800-0900	English	13570		
0800-1000	Spanish	9550	11855	
0804-1045	Portuguese	9605	11770	
0900-1000	Portuguese	6175	9625	
1000-1045	Spanish	6175	11855	
1000-1045	French	9625	11970	
1000-1100	Portuguese	9550		
1000-1100	English	5950		
1045-1100	French	11970		
1045-1100	Spanish	11855		
1100-1145	French	9505		
1100-1200	Spanish	6085	9355	9550 9605
		11970		

1100-1200	English	5850 5950 7355 11855
1100-1245	Mandarin	6015
1200-1245	English	5850 5950 13695 17750
1200-1300	Spanish	6085 7355 9605 11970 15130
1245-1300	English	13695 17750
1300-1400	Spanish	6085 7355 9605 11865 15130
1300-1500	Mandarin	13695
1300-1500	English	11830 11970 17750
1400-1500	Spanish	11865 15130
1500-1600	English	11830 17750
1500-1600	Mandarin	11865
1600-1645	Russian	15770
1600-1700	Arabic	18930
1600-1700	Italian	21670
1600-1700	English	11830 17750 18980 21455 21525
1700-1800	English	18980 21455
1700-1800	German	18930
1700-1800	French	17525
1700-1800	Portuguese	21525
1700-1800	Russian	17750
1700-1845	Spanish	21670
1800-1845	Portuguese	17525
1800-1900	Italian	18930
1800-1900	French	17750 21455 21525
1800-1900	English	18980
1900-1945	French	21455
1900-2000	Arabic	17845 21525
1900-2000	German	18930
1900-2000	English	17750 18980
2000-2045	French	21525
2000-2045	German	17750
2000-2100	Arabic	15695
2000-2100	English	17725 17845 18930 18980
2100-2145	English	17725 17845 18930 18980
2100-2200	German	15695
2100-2200	Portuguese	15770
2100-2200	Spanish	11565
2145-2200	English	17725 17845 18930
2200-2245	Portuguese	11565 15130 17725
2200-2245	English	11740 15695 15770 17845
2200-2245	Arabic	18930
2200-2300	Spanish	5985 11855
2245-2300	Portuguese	15130 17725
2245-2300	English	11740
2300-0000	French	6065
2300-2304	Spanish	15215
2300-2345	English	5985 11740 11855 15255 17750
2300-2400	Portuguese	17725
2304-2400	Spanish	15215 17845
2345-2400	English	5985 11855 15255 17750

(E. Marcy-WYFR, March 4/DX Listening Digest/Haus-er-OK)

WWRB has adjusted its schedule and is off Saturdays until 2300 UTC. **WJIE** still no 13595 and

heard 7490 with just open carrier at 1335 on March 12. Audio feed must be down as the audio stream was still running at their website. **WBOH** says they have been running about 18 kW with a few times at higher power during their recent tests. 7355 **WRNO** untraced in many checks as of late, seems to be a very irregular operation. (All via Johnson/Cumbre DX)

Updated schedule for **Radio Sawa** in Arabic:

0000-0300	6185 7150 7185 9645
0300-0500	6160 7150 9660 9805
0500-0600	6160 7150 9660 9805 11920
0600-0700	7150 11920 17780 21630
0700-0800	11920 15475 17780 21630
0800-1200	11920 15475 17765 21630
1200-1300	11920 11995 15475 21770
1300-1400	12025 11995 15475 21770
1400-1600	11995 12020 21770
1600-1700	11810 21770
1700-1800	7280 11825
1800-1900	7180 7280 9530 11825 11905
1900-2000	7195 7280 9530 9615 11825 11905
2000-2100	7195 7280 9530 9650 11825 11905
2100-2300	7195 7280 9530 9650 9745 11765
2300-2400	6185 7150 9650 9745 11765

(Ivo and Angel!, Observer, Bulgaria/DX Listening Digest/Haus-er-OK)

VIETNAM 4796, Regional station **Son La** is not active on their morning service around 2200-0100 UT at present. But regular heard in the 1200-1400 UT night slot (Roland Schulze, Pangasinan, the Philippines, BC-DX Feb 28 via DX Listening Digest/Haus-er-OK)

6495.3v **Cao Bang** (p) 1336-1400*. Presumed with W talk to 1344, then nifty drum/flute music. Closing anmts 1357 and off at 1400. Frequency varying wildly up and down between about 6495.0 and 6495.4. (Wilkins-CO 3/14/Cumbre DX)

6378.25v **Lai Chau Radio** (p) 1305-1400*. W yalk to 1318, then oriental vocal mx to 1331. More talks & mx to 1400 close. Couldn't make much out due to S-7 band noise (K Index = 4). Frequency slowly drifted downward from 6378.25 at 1305 to 6378.12 at 1355. Slightly weaker than Cao Bang on 6495v. (Wilkins-CO 3/16/Cumbre DX)

ZAMBIA 5915, **ZNBC-Radio 1**, here, replacing 6265. Radio 2 is still on 6165. This upsets the nice pattern of all Zambian SW outlets having frequencies ending in 65 (ZNBC on 6165, 6265; Christian Voice on 4965, 6065,9865). (Chris Greenway-KEN, DXLD Mar 9) ZNBC 1, Lusaka, heard on the new freq of 5915 at 0245 UTC with the interval signal, National Anthem, ID in English and vernacular. Good reception. This freq replace 6265 kHz. (Samuel Cassio Martins-SP-Brasil, hcxd Mar 11)



Pirate Radio Report

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

Hi and welcome to the April Fool's edition of the *Pirate Radio Report*. A few years ago, there used to be a April Fool's Day pirate, **XEROX/Radio Duplicado** that made an annual appearance. Will they show up this year? Who knows.

I understand that this year's Winterfest held in Kulpville, PA was very successful and attendance was up as well. Also, a diner was found that even served chicken croquettes, so all is not lost.

Pirate Radio Popularity Poll; Vote!

It is that time of year to cast your vote for the best and worst shortwave pirate active during the past year. So either mail or email your votes in ASAP. Voting closes June 1st.

Will Alan Maxwell's KIPM come out on top or will newcomer **Undercover Radio** take over the bragging rights this year. If you can't think of a worst pirate, just vote for your favorite station anyway. Make your opinion count and vote today!

Loggings

Many thanks to the following fine folks for sending in their contributions this month. Scott Barbour-NH, Ralph Brandi-NJ, Ross "Da Boss" Comeau-MA, Joe Wood-TN and George Zeller-OH.

Captain Morgan, was logged on 6950 kHz from 0108-0116 UTC on March 4th. Rough copy with brutal QRM via 'Peruvian Fisherman'. I was able to copy music from James Brown, Gary Glitter, KC and the Sunshine Band. Twilight Zone theme noted. Complete mess by 0116. [Barbour-NH]

Heroin Radio. 6.925 AM UTC on March 12th from 0145-0232 UTC. Good signal and great program (not a classic like last Septembers Oxycontin radio summary of the 2002 Fest, but great nonetheless!). Plenty of Bozo clips and drug adventures with Cap. Ganja, Moe

Howard, James Brownyard, Ravi Brownyard, and all those other fookin slobs picking up Uncle Shleckstein en route to Kulpville, with a Black Sabbath tune to boot. Fear and Loathing on the New Jersey Turnpike might best describe this broadcast. [Comeau-MA]

Radio Spaceman, a Dutch pirate was heard on 6305.93 kHz at 0048 UTC on March 16th. Man talking over song "Hotel California" & "New Kid in Town" by The Eagles, ID as "This is Spaceman, Radio Spaceman" @ 0051, more talk in English, just started on the 48 meter band, used to be on 48 a long time ago, another ID "This is Spaceman on 48", into Rolling Stones "Brown Sugar", more music and more talk, lengthy signoff taking from 0200 to 0216 [Brandi-NJ]

Undercover Radio was logged on 6950 kHz USB from 0011-0013 sign off on February 29th with an SIO of 333. Male with a lengthy talk about the resistance to the rodent revolution. Clear ID just before s/off. [Zeller-OH]

UPMB-United Patriot Militia Bingo. Noted 6.925 AM at 0232-0255 sign off. Another great program with a Kulpville theme and a major Bozo interview, and plenty of mentions of "Yahweh." [Comeau-MA]

WHYP. Was noted on 6925 kHz in the AM mode on March 15th at 0136-0158 sign off UTC with a SINPO of 34433. James Brownyard with call ins. Parody ads at 0153. Uncle Schkelstein stories at 0142. Several ID's. Ravi Brownyard with ID and QSL info at 0156. Sign off announcements by JB at 0158. [Wood-TN]

WMOE. Was logged on 6925 kHz in the AM mode on March 16th from 0045-0123 UTC sign off. SINPO: 33322. St. Patrick's Day Special Broadcasts. Erin go bragh. Excellent music including a block of 30 minutes of up tempo Irish mx. OM announcer IDed as "Moe Howard." Several phonetic IDs. Address given as P.O. Box 1, Belfast, New York, 14711 USA. First log of this station. [Wood-TN] *Until next month, happy Pirate DX!* 

QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

STATION: R.F.O. Réunion
 DIVISION: TECHNIQUE
 CONFIRMING QSO-TO STATION:
R.F.O. Dan A. Robinson
 FREQUENCY: 2,446 MHz
 DATE: 4/09/1993 TIME: 2:28 GMT
 AM FM USB LSB
 RADIO (R) SANTIAGO: S
 QRM QRN QSB
 TX: 10 kWatts
 AMPL: _____
 MIKE: _____
 ANT: PyLone (25m)
 MOBIL FIXE
 PSE QSL TNX QSL

73 + 51 + 88

TO YOU & YOUR FAMILY

REMARKS - ADDRESS

via Dan Robinson

**R.F.O.
Réunion**

1, rue Jean Chatel
 97716 ST-DENIS

MESSAG Cedex 9

**R.F.O.
Réunion**

1, Rue Jean Chatel
 97716 ST DENIS MESSAG Cedex 9

*Le Réseau Technique
 Raymond KODADAY*

ANTIGUA: Deutsche Wel-
le 12045 f/d cd, in
2 wks. (Craighead-
KS).

AUSTRALIA: HCJB 11755
The Voice of the
Great South Land
verified with a
Word document in 14
ds. picturing the
Diversion Dam at
Kununurra (site).
Also rcvd. f/d info
about the trans-
mission. (D'Angelo).

BONAIRE: Deutsche Wel-
le 11985 f/d cd. in
2 wks. (Craighead-
KS).

CANADA: CKZU 6160 p/d
"CBC Building" cd.
in 17 ds. v/s Dave
Newbury. (Dybka-TN).

NOTE: It took 30 years but Dan finally got his QSL.

CLANDESTINE: Saut al-Islah 7590 The Movement for Islamic Reform in Arabia

- * rcvd. an e-mail reply from Dr. Saad Al-Fagih (saad@islah.org) in 1 day for an e-mail rpt. It was a simple "Thank you very much for the report". (D'Angelo-PA). New Star Broadcasting Station 9735, 11430, 13750 and 15388 I rcvd. CBS/Radio Taipei International n/d cds. except "This is to verify your reception report...". This was for a rpt. to P.O. Box 12587, Taipei, Taiwan. I was surprised to receive a separate cd. for each of the 4 frequencies. This was for logs made near their target area - Bao Loc, Vietnam. I had checked these non-parallel frequencies over a period of more than 2 wks. and was able to send a detailed rpt. comparing signal strength, interference, etc. for almost every hour of the day. (Craighead-Vietnam). Sagalee Bilummaa Oromoo / Voice of Oromo Liberation 15715 via Deutsche Telekom, Julich Rcvd. p/d ltr. w/ station brochure in 32 mos. I have sent f/ups, reports to at least 4 addresses including those on their letterhead which has 2 different addresses: SBO, P.O. Box 510610, D-13366, Berlin, Germany and Voice of Oromo Liberation Radio, P.O. Box 510620, D-13366, Berlin, Germany. (Craighead-KS).

COLOMBIA: La Voz de
tu Conciencia
6011 nice n/d SP/
EG "World Map and
Logo" cd. in 97
ds. for \$1.00.
The cd. is stamp-
ed by Martin Ste-
ndal, Administra-
dor. (D'Angelo-PA)



R.F.O (ex. O.R.T.F. F.R.F.)

**R.F.O.
Réunion**



Certificado de Sintonía
Radio Altura
PERU

Estimado Sr. John Sgrulletta:

Q
S
L

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 6470 kHz. de fecha 07-04-2000 a las 21:44:23:00 horas de PERU con 1.000 W vatios de potencia.

[Signature]
firma

RADIO ALIHA
"Paz y Bienestar de los Pueblos Andinos,
del Perú"
- HUARMACA -

ADMINISTRACIÓN

FOR SALE: 100,000 French Military Rifles, never used....dropped only once...
Call: 1-800-FRO-GLEG

ECUADOR: HCJB 15140 f/d "Ecuador's Scenic Coast" cd. in 50 ds. for a SP rpt. and US stamp. Also rcvd. bookmark and a 2003 calendar. (Weissborn-TX).

ENGLAND: United Nations Radio 15495 via Skelton f/d cd. in 68 ds. (Glotzbach-NM).

EURO PIRATE: Reflections

Europe 6295 verified w/ a f/d "Radio FAX" cd. in 17 ds. for \$1.00. v/s Trevor Brook. Also rcvd. station schedule and an address summary of each program carried on the station. (D'Angelo-PA).

Germany: Sudwestrundfunk 6165 f/d cd. in 26 ds. for a GM rpt. (Dybka-TN).

High Adventure Radio 17550 via Deutsche Telekom, Julich 17550 f/d cd. from P.O. Box 423, Station E, Toronto, ON M6H 4E3, Canada. Its been years since I've had any response to rpts. sent to their US address. (Craighead-KS). **Deutsche Welle** 6075 via Wertachtal f/d cd. in 2 wks

* (Craighead-KS). **Gospel for Asia** 15425 via Deutsche Telekom, Wertachtal f/d cd. in 71 ds. (Glotzbach-NM). **Radio Salama** 13855 via Deutsche

1450 WILM
NEWSRADIO
ALLAN R. LOUDELL
PROGRAM MANAGER
1518 FRENCH STREET
WILMINGTON, DE 19801
PHONE (302) 856-8800
FAX (302) 856-1480
WWW.WILM.RADIO

TARJETA QSL

via D'Angelo



Una Extensión de Radio Nicaragua ES36W

En un país tan violento como Colombia también hay esperanza, hay una señal que busca llevar paz y un mensaje de reconciliación para todos los colombianos y compañeros de todo el mundo por medio de la Onda Corta. La emisora tuvo un comienzo en Onda Corta en 6060 Khz. a mediados de 2002, y ahora se encuentra en 6010 Khz. con la firme convicción de romper con los esquemas de las emisoras que buscan llevar un mensaje de Dios, con programas que llevan señales de vida como: La Verdad sobre la Verdad, Fuerza de Paz, Ordena tu Casa, y demás programas hechos por un sólido grupo de trabajo ubicado en Bogotá y Puerto Ileras (Colombia)

In such a violent country like Colombia there is also hope: there is a signal that focuses on bringing peace and a message of reconciliation to all Colombians and friends in all the world: this is the Short Wave radio station 6010 kHz. The beginning of the 6060 Khz. during the middle of the year 2002; now it is found in 6010 Khz. We have the firm conviction of breaking the established patterns and bringing a different message to the area of Short Wave with life-giving programs such as: the Truth about the Truth, Peaceforce, Order your house, and other programs that will be a center in your heart and the



Lomalinda - Puerto Ileras - Llanos Orientales - Colombia - Sur América

Telekom, Julich f/d ltr. in 57 ds. (Glotzbach-NM).

VOA INTERNET: After surfing the VOA website I found the following quote from President Bush: "It's no surprise the French won't help us get Saddam out of Iraq. They didn't help us get Germany out of France, either. Still, it's essential for them to join us in the war against Iraq because who better to teach the Iraqis how to surrender than the French?"

GREECE: Radio Azadi 12015 and 7200 f/d cds. in 7 wks. v/s John Vodenik. (Craighead-KS). **Radio Far**

India: All India Radio 13605 via Bangalore f/d cd. in 468 ds. (Glotzbach-NM). 9620 via Ali-garh f/d cd. in 312 ds. (Glotzbach-NM).

INDIA: All India Radio 13605 via Bangalore f/d cd. in 468 ds. (Glotzbach-NM). 9620 via Ali-garh f/d cd. in 312 ds. (Glotzbach-NM).

KENYA: Kenya Broadcasting Corporation 4935 via Maralal personal ltr. in 921 ds. noting that the station is no longer broadcasting on the shortwave bands. (Glotzbach-NM).

LIBYA: Radio Africa 15415 f/d "The African Service" cd. in 108 ds. for ms. (used) sent to their address in Malta. (Dybka-TN).



Certificado de Sintonía
Radio La Voz del Campesino
PERU

Estimado Sr. John Sgrulletta:

Q
S
L

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 6956.6 KHz. de fecha 09 abril 2000 a las 19:05-19:07 horas de PERU con 1 KW vatios de potencia.

[Signature]
PERMANENTE PACHECO TORRES
LOCUTOR - OPERADOR
D.L.I. N° 44526 PZZ
TRABAJADOR - C.V.G.

NEWFOUNDLAND: CKZN 6160 f/d cd. in 33 ds. (Dybka-TN)
REUNION ISLAND: Office de * Radiodiffusion Television Francaise FR3 2446
After nearly 30 years, my quest for a QSL from Reunion is over. Beautiful card, with photos of RFO antenna, a volcano, surfer and a map of the Indian ocean. This was for a reception in April of 1973. In the old days this station made it to the East Coast at their 0228GMT sign on. The QSL was received after a one in a million internet

correspondence with a ham in Saint Denis who offered to get a copy of my 1973 reception report to the station. v/s Raymond Kodaday, Addr:

RFI IN CHAOS: After the BBC interview, Pierre Surrendeax spoke to RFI about the new French tank "Le Gran Pussee". It has five gears, four in reverse and one forward, in case of attack from behind. Fearing bad press the RFI announcer immediately interrupted Pierre and said the French are great fighters. The last time the French won a war was the French revolution, but only because their opponents also were French.

1, Rue Jean Chatel 97716, St. Denis, Reunion. (Robinson-MD)
By the way Dan thanks for the very pleasant telephone call last week...Sam

SINGAPORE: Radio Singapore International 9560 f/d "Singapore Discovery Centre" cd. with magazines, decal in 4 mos. (Craighead-KS).

SRI LANKA: Radio Sawa / Middle East Radio Network 11905 via Iranawila f/d "Sri Lanka Transmitting Station" cd. in 4 mo. direct from the station. (Craighead-KS).

TURKEY: Voice of Turkey 9655 f/d "Mushroom Rocks" cd. w/ station sticker and schedule in 44 ds. A few days later I received a Christmas cd. (Dybka-TN). 11960 f/d "Ataturk" cd. in 87 ds. for 1 IRC. Also rcvd.

Radio Okapi is an FM and shortwave broadcasting network serving the whole of the Democratic Republic of the Congo. It is a joint project of the Fondation Hirondelle and the United-Nations. The radio aims to contribute to the restauration of peace in the country by broadcasting news and information programmes that are professional, credible, and reliable.

QSL for... Gerald Howard

We are pleased to verify your reception of Radio Okapi, Kinshasa, RDC

Date:

Time:

Frequency:

Lausanne

Sign

Fondation Hirondelle
Rue Traversiere
118 Lausanne-Suisse
t. 021-647 28 05



Radio Station VNG
Llandilo, NSW

Name: George L. Glotzbach

Your VNG reception report

dated 20 April 2000 at 0635-0700 UTC
on 16.000 MHz

Is confirmed with thanks.

[Signature]
VNG Users Consortium
GPO Box 1090
CANBERRA 2601

for National Standards Commission

multiple copies of their program schedule. (Brouillette-IL).
UNITED ARAB EMIRATES:
* Radio UNMEE / Eritrea 13735 new style n/d "United Nation" cd. in 84 ds. (Glotzbach-NM).
USA: WJIE 7490 f/d cd in 74 ds. for SASE. (Glotzbach-NM).
USA (Pirates): KRMA 6950 f/d "Columbia Memorial Show" sheet in 10 ds.



NEW MILLERHUNT
QSL CARD SERIES

The Second Coming

"For the Son of Man is going to come in his Father's glory, with his angels."

Matthew 16:27
New International Version of the Bible

Artistic Photo manipulation from originals by Charles Zingora and Fred Collins
Copyright, Review and Herald Publishing Association

AWR QSL Card BMS5
January 2003

to MR SCOTT BIRBAUR

We are pleased to verify your reception of our station

Date: 4-9-02 Comments: 2002

Time (UTC): 0104

Power (W): 500KW

Freq. (MHz): 7235

Bandwidth: 4 Bonloch

Transmitter location: SOUTH AFRICA

Signature: [Signature] **DX EDITOR**

www.awr.org
• Program schedules
• Real radio programs
• Photos of AWR sites

Adventist World Radio
39 Brecken Street
London WC1N 3JQ
England

MEMBERS NOTES: Wendel Craig-head says hello to everyone and says that he is very proud of the Hmong Lao Radio QSL. This was featured in the March QSL Column... I'm still receiving congratulations on 25 years of editing for the bulletin. Thank you very much. I'm sure Bill feels the same way... Sam.

after a posting on the FRN net. (Dybka-TN). Undercover Radio 6955 nice f/d cd. w/ station information sheet plus a CD of Benway. (D'Angelo-PA). WMFO on it including my own so I

the program I heard in 7 days. v/s Dr. 6925 f/d sheet w/ numerous DXers names assume these are for actual reception

DW INTERVIEW: During a recent interview on Deutsche Welle, the French Minister of Tourism, Jacques Dippydo, stated that the reason why the boulevards in Paris are beautifully adorned with trees is because the Germans love to walk in the shade.

reports. This was in 129 ds. v/s Mr. Q. Esselle. Interesting. (D'Angelo-PA). **Mystery Science Radio** 6950 f/d ltr. in who says the station has been broadcasting

QSL **KSDA2** QSL

ADVENTIST WORLD RADIO
Verification of Reception

Thank you for your reception report which we are pleased to verify.

Station AWR Location GVAM

Frequency 11560 Date 5-9-02

Power 100 kW Time 1023 UTC

Signature: [Signature] **DX EDITOR**

15 ds. from v/s Cherokee Jack since 2000 and done tributes to Andy Kaufman and Monty Python in the past. (D'Angelo-PA)
YUGOSLAVIA: Radio Yugoslavia 9580 f/d cd. in 117 ds. (McGuire).

EUROPE IN REVIEW: During the BBC Program, Europe in Review, the announcer asked Pierre Surrendeaux, French Minister of Defense, how many Frenchmen does it take to defend Paris? He said he didn't know because it has never been tried.

Well we now end a rather short QSL Column. I expect it to pick up over the next few months after all the follow up reports are mailed out from the winter DX season....Sam.

[Signature]



The Movement for Islamic Reform in Arabia

Subj: Re: Reception Report

Date: 02/09/2003 12:13:49 PM Eastern Standard Time

From: saad@islsh.org

To: Rdangelo3@aol.com

Sent from the Internet [Details]

thank you very much for the report

— Original Message —
From: <Rdangelo3@aol.com>
To: <info@islsh.org>; <radio@islsh.org>
Cc: <rdangelo@jgdl.com>
Sent: Saturday, February 08, 2003 8:28 PM
Subject: Reception Report

The Movement for Islamic Reform in Arabia

Date of Birth: 11 march 1996
Current Base: London U.K

Director & Spokesman: Dr Saad Al-Fagih FRCS

For further information please email us or contact us by post or telephone.
Email: info@islsh.org
Address: BM Box: MIRA, London WC1N 3JX, UK
Tel: (0208) 452 0303 Fax: (0208) 452 0808

Net Notes

Tom Sundstrom • P.O. Box 2275 • Vincentown, NJ 08088-2275 • Fax: 609-859-3226 • trs@trsc.com
http://www.trsc.com

Were you at the Winter SWL Festival? I was... and what a blast! Look for summaries elsewhere in the Journal.

The two-day DRM exhibit and the presentations by James Briggs of Merlin Communications and Jan Peter Werkman of Radio Netherlands attracted a lot of attention. Thanks to Dr. Kim Andrew Elliott, the 'fest weekend was the first public demonstration of the technology in North America. Read more about the technology at www.drm.org.

Thanks to Bill Whitacre, the IBB monitors, in Washington for a meeting, ended the their week at Kulpville. Australia, New Zealand, Hong Kong, Pakistan, Ceylon, Asiatic Russia, European Russia, Uzbekistan, Ghana and Finland were just a few of the countries represented. I find it always fascinating to learn about reception conditions from other vantage points.

It was a pleasure to meet Pete and Vierka Miller of Radio Slovakia International. Pete is the producer of the Friday programme, and aired a series of interviews over several weeks. Check out the schedule at www.slovakradio.sk and see if the interviews continue into April. This was the first time RSI, celebrating its 10th anniversary on the air, came to Kulpville. Judging from our conversations, the Millers had a good time and will be back.

And there was so much more. The swlfest.com countdown clock is already running for 2004.

Apologies for not yet posting the 2003 'fest pictures. I took about 100 pictures which have yet to be reviewed, cropped and catalogued, but time is a precious commodity until at least mid-April.

If you took pictures at Kulpville and have them posted on

your Web site, please e-mail the URL so that the link may be added to the photo page at swlfest.com.

If you are within reasonable driving range of Mount Holly, Burlington County, NJ, near Exit 5 of the New Jersey Turnpike, my wife and I invite you to a photo display at the Burlington County Library. The printer and Adobe Photoshop had a workout. Four dozen or more of my photographs are on display until April 30. Directions to and hours of the library are available at www.burlco.lib.nj.us.

It is not quite radio-related but we do hear space communications on HF (how is that for a segue?) . Hot out the maibag at deadline:

"Science officer Don Pettit and his Expedition 6 crewmates onboard the International Space Station have been sending us some extraordinary pictures. Some show breathtaking views of the sky through the station's windows. Others highlight ongoing scientific research in physics and biology. We want to share these pictures with you, so we have developed a "Space Station Science Picture of the Day" web site. Every weekday, Monday through Friday, we'll post a new and cool photo taken by someone on the ISS. Click here:

"Space Station Science Picture of the Day: science.nasa.gov/ppod.

"This is an experimental service by Science@NASA. We plan to maintain it for the duration of ISS Expedition 6 (until early May). If you like it, we may be able to continue beyond that time, so let us know."

At the URL above you can add or drop yourself to the mailing list. Enjoy.

Contributors' Page

Bob Montgomery • P.O. Box 1458 • Levittown, PA 19058 • RMonty3@worldnet.att.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	ATS 818, RS antenna system
Jerry BERG , Lexington, MA	R8A 165' LW
Ralph BRANDI , Tinton Falls, NJ	AOR7030, R8, 250' longwire
Paul BROUILLETTE , Geneva, IL	Drake R8, ICF2010, 60' long wire
Ross COMEAU , MA	no equipment listed
Rich D'ANGELO , Wyomissing, PA	Drake R8B, Lowe HF-150, DX Sloper
Mickey DELMAGE , AB	no equipment listed
Jill DYBKA , Kingston Springs, TN	DX-440, G5RV
Bob FRASER , Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Joe HANLON , Phila, PA	SW8, EMF ant., ICF-SW7600G w/active ant.
JAAR , QUE	no equipment listed
George MAROTI , Mt. Kisco, NY	R8B, T2FD, K9AY loop, 45 m. dipole, 150' LW
William McGUIRE , Cheverly, MD	DX-380
Bob MONTGOMERY , Levittown, PA	NRD535D, R390A, HF150, SE3, active antenna
John MOSMAN , Madison, WI	RX320, 80' LW
Ed NEWBURY , Kimball, NE	WJ-1000, R8, 60' sloper, 20' loop
Jay NOVELLO , Wake Forest, NC	Drake R8A, long wire
John SGRULLETTA , Mahopac, NY	NRD-515, DX Sloper, Mosley SWL-7
Bob WILKNER , FL	no equipment listed
Joe WOOD , Gray, TN	DX-390, Grundig Mini 100 PE, whip antenna
Dan ZIOLKOWSKI , Franklin, WI	RX320, 100' wire antenna

It was nice to see many of you at the winter fest. Possibly the best fest I have attended. Everyone involved did an incredible job. Even the Saturday night dinner was better than in years past.

Springtime has finally arrived. Along with a change in season, we have a different postal address for those using postal mail. P O Box 10814, Parkville, MD 21234. Email address remains the same. Rumor has it someone is getting married next month (*true—column deadlines are a week early next month as a result -rb*). It would be advisable to have your logs in early next month so the column can be completed on time.

Have a nice spring and keep the logs coming!

73,

Bob Montgomery



Tropical Band Loggings

2000-5900 kHz

Dan Ferguson • 12053 Kahns Road • Manassas, VA 20112 • troplogs@zerobeat.org

April deadline for direct info is a little earlier this time, April 13.

- 3230.3 **PERU Radio El Sol de Los Andes**(t) 1021 2/1 OA music, M TC, tlk, back to mx; UTE QRM; quick fade ard 1035 (Sgrulletta-NY)
- 3250 **HONDURAS R.Luz y Vida** 0259-0318 2/19 SS, rel ballads, W w/canned ID; R&B choir; rel tlks ending w/QTH for Grand Rapids, Michigan. F/P.(Barbour-NH)
- 3255 **SOUTH AFRICA BBC** 0358-0410 3/11 W w/nx; Focus on Africa px anmts; 6 pips at TOH, ID. (Montgomery-PA) 0414-0426 EE nx re Iraq, Islamic conference in Doha, Qatar and Ivory Coast. Fair. (Barbour-NH)
- 3279.55 **ECUADOR LV del Napo** 0850-0910+ 2/22 Tune-in to Andean mx; ID/NA 0900. lcl children's chorus 0904; seem to always play NA at 0900 even though they are not signing on or off. I often see R. Maria loggings on this freq. R.Maria is just a rel pgm broadcast on LV del Napo. (Alexander PA)
- 3280 **ECUADOR R.Maria** 0453-0515 02/16 SS. Instrumental mx until 0506, Chimes; YL w/ ID over piano mx. YL and Om w/ "Santa Marias". Ballads. Good.(Barbour-NH)
- 3289.92 **ECUADOR R.Centro** 0940 SS anmts, HC ballads. Guyana still off the air. Fair 2/9. (Alexander-PA)
- 3290 **GUYANA VO Guyana** 0210-0311 EE/SS. Up-beat S.Am. mx, M&W EE tlks. Audio just weak, noisy enough for rough copy but talk seemed to center on weekend events leading to Sundays National holiday; parade route, live remote. . "GBC" ID and TCs. Anmt "Sunday Feb. 23,2003 United are we". Poor 2/20. Also 0516+ 2/22 EE, BBCWS relay w/ mx request prg, nx clips. Fair.(Barbour-NH) 0245-0330+ EE coverage of local parade with descriptions of floats & costumes. Interviews with lcl people. IDs. "BBC World Service" nx at 0400 followed by other BBC pgming. Noted 0840 with Hindi vocals & Birthday greetings 0850. Reactivated; back after several months absence. F/G 2-22, but not hd March 1, at various checks between 0100-0900+. (Alexander-PA)
- 3300RF **GUATEMALA R.Cultural** 0958-1035 2/25 SS, EZL inst mx at t/in, M ID, anmts at ToH. M w/rel tlks, very heavy with the rolling "R's", and mx. Intvw w/Dr. Eric Jose Estrada at 1025 re clinic. Back to mx at 1035. Clear signal w/ tolerable prop. QRN and fades.(Barbour-NH) 0425-0434 3/10 M&W EE rel pgm, ID 0430 inviting reception reports. Into SS ID, pgm. Fair. (D'Angelo-PA) 2/24 1019 surprised to hear this w/rel pgm; 1024 a few bars of "Battle Hymn of the Republic", M ancr w/"Desde Guatemala, esta es Radio Cultural". Traditional music followed (not rel.) then back to rel pgmg; strong and also heard evenings UTC (Sgrulletta-NY)
- 3310 **BOLIVIA R. Mosoj Chaski** 1005-1017 3/11 PP. Tlks b/w OM and YL. Jingle mx and ID anmt. Poor, fading fast. (Barbour-NH)
- 3324.8 **GUATEMALA R.Maya de Barillas** 0055-0110 2/19 playing 'Pink Panther' tune at tune in. Very low audio with S5 signal level at this time. Deep fades but always above noise floor. Then to more Jazz. No announcements at toh. SS balad instead. Male announcer at 0103 with what sounded like the ID but audio had dipped down and was not clear. Too weak to get positive id.Back to mx at 0105. (Montgomery, PA)
- 3329.8 **PERU Radio Ondas del Huallaga** 2/10, 1013. Tuned into some musical chimes, then a female announcer mentioning Huñuco, some numbers (possibly a phone number) and station ID. A second female announcer joined her and they co-hosted a mx program. Just before the half-hour, they mentioned Jesus Christ and also said "Gracias por su carta", possibly reading letters or personal messages. Poor signal and needed LSB due to CHU. (Sgrulletta-NY)
- 3360 **GUATEMALA LV de Nahuala** 0340-0357* 2/19 SS, cont. instl mx, xylophone mx, canned ID, M tlk and mx at s/off. Fair. (Barbour-NH)
- 3366 **GHANA R.Ghana** 0533-0607 3/2 EE; cont. choral mx to ToH; drums, pips, ID, M w/nx at barely audible level. // 4915 quiet as was most of the 60m band. Tried for Liberians at 0600 s/on, but no luck.(Barbour-NH) 2340 local mx W in EE talk over mx, into nx highlights by M 2345 3/16. (Dybka TN)
- 3915 **SINGAPORE BBCWS**(p) 2220-2230+ 2/25 Vern/EE; tlks (nx?) w/mx b/w items. Tent. "BBC" ment. at end of rpt. Language lesson w/W in EE, M w/translation. "Ham" s/on at 2230 takes over, V.poor. (Barbour-NH)
- 3976 **INDONESIA RRI,Pontianak**(p) 1117-1128 2/4 continuous Sub-Cont. mx under "ham" chatter. Weak but audible.(Barbour-NH)
- 4052v **GUATEMALA R.Verdad**(p) 0519-0521* 2/22. Rel choir in SS, nothing after 0521. Pres. R. Verdad tho I've never heard them this late. (Barbour-NH)

- 4388.9(t) **PERU R. Imperio** 0920 SS, Andean vocals, M ancw w/s much reverb he's unintelligible. Weak, but clean audio. No discernable ID. 2/18. (Brouillette-IL)
- 4417v **CLAND KURDISTAN V of the People of Kurdistan** 0257-0330+ tune-in to Koran, anthem 0300; lang talk; lite instl mx. Slowly drifting down to 4416.2v by 0330. // 4027v - slowly drifting down to 4026.2v by 0330. Both freqs poor-fair 2/22. (Alexander PA)
- 4421.8 **PERU R. Bambamarca** SS 0931-0937, Andean vocals, M ancw over mx; clear ID 0933. Mostly tough copy. 2/18. (Brouillette-IL)
- 4620(t) **CHINA Nei Menggu PBS** via Hohhot, lang 2325, shortjazz piano music bridges, W in talks. Oriental lang, but not Chinese; very weak 2/15. (Brouillette-IL)
- 4716.66 **BOLIVIA R. Yura** 1015 3/24 weak signal, with no other CP's from 4600 to 4800 kHz at this time. (Wilkner-FL)
- 4746.7(p) **PERU R. Huanta 2000** in Quechua 0940, rustic local mx, excited M ancw w/TC and saludos. No solid ID. 2/18. Also 1/20 SS 2349-0007, Andean-style pop mx, MDJ w/TC and definite ID: "Faltan las 5 para las 7 de la noche en R. Huanta Dos Mil," and later "...con corazon en su quinto(?) aniversario, R. Huanta Dos Mil." 2402 into news w/ments of "la guerra anti-terrorista." Weak but excellent audio. 1/20. (Brouillette-IL)
- 4750.2 **PERU R. San Francisco** Solano, 1020-1041 M w/OA vocals accompanied by flutes. Non-stop vocals until W ancw ID 1035 and SS talk followed by flute music; poor 3/14. (D'Angelo-PA)
- 4759.98 **LIBERIA ELWA** 3/15 2230 EE s/off anmt, ID, NA. carrier off 2233 (Brandt-NJ)
- 4760 **INDIA AIR Port Blair(t)** 1200-1210 brief fade in of S-C music. (Wilkner-FL)
- 4760 **UNID (INDIA?)** EE 2335-2342, W commentary mentions "United Kingdom," "United States" and "Iraq". British accent. Possibly an AIR outlet. Extremely weak 2/15. (Brouillette-IL)
- 4765 **BRAZIL R. Rural Santarem** PP 0944-0951, "sing-along" type group vocals, full ID and freqs 0945, rel pgm "A Palavra" w/very mellow preacher over piano music, vibraphone bridges into further talks. Very strong carrier, but low mod. 2/18. (Brouillette-IL)
- 4769.9 **NIGERIA R. Nigeria Kaduna** EE 2232, US lite rock and romantic ballads, M ID and anmt: all you listeners of Nigeria National Radio ... the man with the warehouse ftdl of love, Mr. Romance on Radio." Gearing up for Valentine's Day?? Very good. 2/ 1. (Brouillette-IL) 4770 *0433-0446 EE. Familiar s/on routine w/IS, NA, Pledge to Nigeria, ID, date, TC, Morning devotionals/Bible reading. EE pop mx. F/G (Barbour-NH)
- 4779.93 **GUATEMALA R. Coatan** 1230 M ID "Radio Coatan ... Guatemala America Central"; exc signal. (Wilkner-FL)
- 4780 **GUATEMALA R. Cultural Coatan** 2345 SS Mexican ranchera mx, M ancw ments San Sebastian, TC, ID; good 2/15. (Brouillette-IL)
- 4781.3 **ECUADOR R. Oriental** 0951-1001 SS, Andean style mx, other LAm pop mx. Slogan ID "Oriental es la natural." PSA's. Promo for lcl rock mx program; good w/very clean audio. 2/18. (Brouillette-IL)
- 4790 **INDIA AIR Chennai** *0000-0017 IS, ID, Orch mx intro, brief tlk and Hindi mx; long tlk (nx?) 0006, still going at t/out. Fair 3/5. (Barbour-NH) 0035-0045 * M w/Hindi vocals and flute music; then Tamil talk 0042; brief vocals 0044; then M w/closedown anmts; poor 3/4. (D'Angelo-PA) *2358-0030 Tamil, AIR IS, ID at TOH, trad. lcl woodwind music, News w/ lots on Iraq, UN, etc., other commentaries ment. India/Pakistan, more ID's; email address. F/G 2/15. (Brouillette-IL)
- 4790 **PERU Radio Atlantida** 1032-1046, W ID, SS talks; brief musical segment, more talk 1034; fair 3/14. (D'Angelo-PA)
- 4800 **LESOTHO R. Lesotho** 2/26 0401-0408 t/i w/usual ToH music on the Lesiba, a local wind instrument; then pips, into presumed news read by W in an African language; 0406 instl version of Leo Sayer's "When I Need You", more talk by the W. SINPO 33333, with some ute QRM on LSB. (Maroti-NY)
- 4815 **BRAZIL Rdif Londrina**, in PP, 2349-2400, M w/echo in rel t1k; 2358 ID "Radiodifusora de Londrina ... Londrina, Parana." Fair 1/4. (Brouillette-IL)
- 4815 **BURKINA FASO R. Burkina** 3/10 2210-2300 weak at tune-in, improved around 2218, when had a hi-life song with M vocals. W in FF, IS 2230 ISON a flute-like instrument, M ID as "Radio Burkina"; M FF talk; different tune played on drums at ToH. Eventually improved to fair. (Maroti-NY)
- 4815 **ECUADOR R. El Buen Pastor** 1005-1015+ HC folk mx, SS anmts, canned ID. F/G 2/9. (Alexander-PA)
- 4832 **HONDURAS R. Litoral** 3/1 0230-0430+ mostly continuous SS rel talk; some rel mx; ID 0400. Poor-weak, fade up to fair at times. (Alexander-PA)
- 4833.27 **MALI RTV Maliene** 2212-2400*, wasn't sure who this was at first, as Mali usually on freq. African sounding music, but not hi-life. M ancw w/Afr lang. NA by marching band at s/off matched the clip on the intervalsignals.net website. Fair 3/22. (Maroti-NY) 4835, 2303-2332 FF, rap and dance mx, MK ancw; ID during tlks 2330; Good 3/4. (Barbour-NH) 4835.4 lang 2300, M in interview w/ other M in studio; bBridges of traditional local music; some ID's in passing as "Radio Bamako," and other ments of Bamako. Exc. 2/1. (Brouillette-IL)

- 4845 **GUATEMALA Radio K'ekchi** 3/16 0229 Christian music, full ID "T-G-V-C, Radio K'ekchi, Fray Bartolome de las Casas, Guatemala", more music; (Brandi-NJ)
- 4860 **INDIA AIR Delhi** 0037-0102 2/13. Hindi chorus and YL tlks. Cont. mx to ToH, W w/(P) ID, right back to mx. Fair and improving. (Barbour-NH) 0104-0120 3/6; Hindi mx, M&W tlks; good at t/in. (Barbour-NH)
- 4875 **BRASIL R.Difusora** 0225-0240 PP jingles, M&W tlks; canned ID; W pgm intro, PP mx. Fair 2/6. (Barbour-NH)
- 4885 **BRASIL R.Clube do Para** 0336* 3/5; end of apparent s/off anmt, positive ID then gone! Stayed on freq for several minutes but station never returned. (Barbour-NH)
- 4886.7 **PERU Radio Virgen del Carmen**, 2/26, 1041 M&W ancrs, rel pgmg, mx. The W spoke around 1045 with definite religious overtones. At 0600, possible ID and getting weaker, but it did do a slow fade up to 0615 tune out. No sign of Radio Para on 4885, but Para there next night blocking Virgen del Carmen. (Sgrulletta-NY)
- 4890 **PNG NBC** surprisingly good 0845 Pidgin church service, kids chorus, 0900 ID, date, TC for 7 o'clock, brief drums, into nx; also good at 1115 recheck; 3/2. (Berg-MA)
- 4895 **INDIA AIR Kuresong** *0054+ IS audible under "sweeper", Hindi mx; v. poor 3/5. (Barbour-NH)
- 4905 **CHINA Xizang PBS** 1204+ M&W in (p) Tibetan under sweeper, // 4920, both poor 2/11. (Barbour-NH)
- 4915 **BRASIL R.Difusora** Macapa 0523-0538 PP/EE; PP covers of US oldies incl. Paul Anka "Diana". "canned" ID, anmts 0531, EE pop mx; Berlin, "Take my breath away"; fair 2/25. (Barbour-NH)
- 4930 **TURKMENISTAN R.Asgabat**(p) 2214-2232 Turkmen; W w/tlks b/w AA-like mx selections; other times tlk over mx. (P) ID 2230; flute and wind instruments w/W tlk; poor under noise floor, battle w/"sweeper" for dominance; 2/26. (Barbour-NH) Turkmen Radio 2 2240 music, talk in presumed Turkmen, NA at c/d (matches anthem at <http://www.countryreports.org/sounds/turkmenistan.mid>); 3/2. (Brandi-NJ)
- 4935 **BRASIL R.Capixiba**(p) 0500-0521 M&W PP tlks; sevl M w/remotes, field rpts; no ID noted; fair 2/25. (Barbour-NH) An 3/11 2320-2339 03/11 PP; M w/vy emotional tlk; ballads; W w/tlks, same style as M. F/P. Also 3/12 2312-2327 w/same M; no IDs noted. (Barbour-NH)
- 4940 **VENEZUALA R.Amazonas** 1018-1031 SS, choral mx at t/in; Canned ID/anmt as "R.Nacional". M w/tlks over mx & ID "R.Amazonas", more mx; poor, QRN; 3/14. (Barbour-NH)
- 4950.11 **PERU Radio Madre de Dios** 1030 ID by M. (Wilkner-FL)
- 4955(t) **PERU R.Cultural Amauta** 2331 SS and Quechua, rustic Andean flute mx, caught freq portion of ID anmt, M tlk; short anmts, mx bridges; no def ID. (Brouillette-IL)
- 4960 **ECUADOR Radio Federacion** 0020 M in lang, strange and neat local mx. 3/17 (Dybka TN)
- 4965 **PERU R.Santa Monica** Cusco, 2348 M w. huaynos pgm; TC/ID between virtually every song. "Radio Santa Monica" shouted over some songs. It sounded like a possible 5-minute ad block that ended at 2359. As reported by others, they seem to sign off around 0100 or just past with no anthem, song or fanfare. 3/11. (Sgrulletta-NY) 0035 3/6, high-altitude harp-led vocals, W singer; 0038 "R Santa Monica, La Numero Uno!" M DJ with accurate TCs as at 0042 and more IDs. Good in 4960 splash; dropped off in mid-sentence 0100. Tnx Sgrulletta tip. (Novello-NC)
- 4965 **ZAMBIA Christian Voice** 2250-2307 EE, mellow Christian vocals, full ID 2302; very poor. (Brouillette-IL) 4965 ZAMBIA RCV, Zambia 0202-0216 2/5 EE; testimonials, contemporary rel mx. Canned ID 0203 & 0215. Poor under noise floor. (Barbour-NH)
- 4975 **PERU R.Del Pacifico**(p) 0205-0219 2/27 SS; ballad at t/in, M tlk between & over mx. 0219 abruptly gone; mid-sentence, replaced by piercing het; like someone pulled the plug! Never returned, several re-checks. Poor, noisy. (Barbour-NH)
- 4976 **UGANDA R.Uganda** Kampala 2046-2105* 2/5 fading in w/Afropops. M w/tlk, s/off anmts over mx; mx continues, cut-off at 2105 sharp! Fair by s/off. (Barbour-NH) Also 0323-0345 2/26 EE; eclectic mix of mx; dance, funk, reggae and pops, including Fleetwood Mac. M ID and tlks re "eastern part of the country, that's why we are Radio Uganda". Started each mx block w/ "How about I play you something like this?" Fair signal tho continuous het, from presumed R.Del Pacifico, Peru. First log during this time, usually catch them from 2000-2100. (Barbour-NH) 4976 UGANDA Radio Uganda, 0407-0422 2/26 M EE nx to 0417: "And that's the end of this news bulletin from Radio Uganda." The series of PSAs w/emphasis on "protecting our children." P/F. (D'Angelo-PA)
- 5010 **DOMINICAN REPUBLIC Radio Cristal** 0035 oldies mx incl. Puppy Love, M in SS 3/17 (Dybka TN)
- 5010 **MADAGASCAR Radio Madagascar** 2/17 0256 music, NA 258 (checked against <http://www.countryreports.org/sounds/madagascar.mid>), ID 0300, reggae music (Brandi-NJ)
- 5010(t) **MADAGASCAR R. Malagasy** (t), in lang, 0305-0310 W w/news, incl item mentioning Iraq and the Vatican and the Pope. Apparent choral hymn and same W leading prayers. Very poor. Not quite usual format for RTM, but who else? 2/9. (Brouillette-IL)

- 5019.93 **PERU R.Horizonte** 1056-1110 3/10 Peruvian mx at tune in; tentative ID 1058 w/short anmt, back to mx. Static crashes made it a difficult copy. Possible ID again at 1102 but not certain as audio has dropped and finally fading out at 1110. (Montgomery, PA) 1107-1122 2/11 SS, M tkl over piano mx, several ID's. Up-beat mx w/ YL intro, Cont.SS mx with gradual f/out; increase in QRN. (Barbour-NH)
- 5025 **BENIN R.Diffusion Parakou** 2235-2302* 3/4 FF, cont.ballads, s/off anmt, NA. Fair.(Barbour-NH)
- 5030RF **BURKINA FASO R.Burkina** 2135-2203 3/11 FF, W intvw M, pgm credits, "R. Burkina" ID at ToH. Afropops to 2202; OM w/intro mx, new prg. Fair and improving. // 4815 not heard. (Barbour-NH)
- 5040 **BURMA R.Myanmar** 1126-1150 3/14 Burmese S-C mx at t/in; tlks w/W & wind insts. (Pres. ID/IS) at 1130. YL w/ nx; tent. ment's "Sri Lanka" and "Kaula Lumpur". Outro mx at 1140, OM tlks then mil band mx & W w/brief tkl. S-C ballad, pop mx and another ballad then f/out took over. Poor, almost fair at peak. // 4725 barely audible at t/in check, f/out well before 5040 did. Very pleased and surprised to log this one!! (Barbour-NH)
- 5040 **ECUADOR LV del Upano** in SS, 2315-2330, W t1k, M ID "la red de emisoras La Voz del Upano," Andean-style Christian mx, ads w/Jingle Bells. (Brouillette-IL) 5040.05 0055-0110+ SS rel pgming with rel talk & choral mx. TENTATIVE. (Alexander PA 2-16)
- 5047 **TOGO R.Togo(p)** 2227-2302 3/11 FF/EE. EE pops w/ James Brown, Barry White and TLC; M in FF b/w songs. Nx 2302, splatter via 5050 WWRB s/on takes over. No ID noted. Fair/poor. (Barbour-NH) 2/24 2227 talk in FF, address in Lome, Togo, 2249 (Brandi-NJ) 2143-2210 2/25 FF. OM and YL tlks, (P)radio drama. Tent. ID at 2202 w/vy weak audio. Intro mx and OM w/ nx ;back to prior s-level; re "Presidente" and "Afrique" . Weak at times w/ fade and constant "hum".(Barbour-NH)
- 5054v **COSTA RICA Faro del Caribe** 1041-1054 02/11 SS. Long tkl by OM w/ brief mx at 1045 and Tent.ID; definite ment."Caribe" Fading out w/ lite jazz mx. (Barbour-NH) 5055 COSTA RICA Faro del Caribe 1028-1052 3/11 SS, instl mx at t/in, M tlks. Solid ID at 1032. M w/rel tlks w/and w/out wind instruments. Fair.(Barbour-NH)
- 5300.1 **PERU Radio Superior(p)** 2/27, 1043 just finishing s/on. I am certain I heard them within one minute of their actual sign on. A male host played OA music. Closest I heard to an actual ID was at 1104 "Radio ___ presente"- but the missing word did not sound like Superior. Then a cow moed once and a rooster crowed twice. Back to OA vocal music featuring a flute. (Sgrulletta-NY)
- 5469.97 **LIBERIA Radio Veritas** 0645 "Now, the Liberian News, from Radio Veritas", headlines, story about activity at the health ministry, president of Liberia calling for release of human rights activists, fighting in central Liberia; spring-like conditions, with plenty of static crashes (Brandi March 19)
- 5470 **LIBERIA R. Veritas** 0744 M in EE "good morning, happy valentine's day" 0744 2/14 (Dybka TN)
- 5780 **ITALY IRRS** 2115-2132* 2/22, pop vocals & RR talk to EE ID 2130 by a M: You are listening to a program relayed through the facilities of I double R S." Then Milano postal address. Carrier cut after brief group singing. Poor to fair reception but improving at closedown. (D'Angelo-PA)
- 5835 **SRI LANKA RFE** 2323 M in Persian "Radio Azadi" ID at 2330; 2/17 (Dybka TN)
- 5860 **CHINA Voice of Jinling(p)** 1240 with W in CC. Periodic UTE QRM. 2/14 (Dybka TN)

73, DanF



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International Band Loggings

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- 5905 **UKRAINE RU** Kiev in EG 2238, folk songs, tlks (Dybka TN 3/16) ED: EG pgm listed 2200-2300
- 59188nf **USA WBOH** World Wide Beacon of Hope Newport NC in EG 0124, equipment tests using YL anc loop and tone, QTH for reception rpts, exc (Wood TN 3/14, D'Angelo PA 3/8)
- 5960 **CANADA R Japan** relay Sackville in JP 0200, pips, ID, rpt on Iraq, g (McGuire MD 2/18)
- 59948v **AUSTRALIA RA** Brandon in EG 0950, slightly off listed 5995, Asian-Pacific financial nx, //9580, 11880 (Alexander PA 3/1)
- 6020 **CANADA R Nederlands** relay Sackville in DT *0130, IS, ID, fqy, sked, nx, g (McGuire MD 2/16)
- 6025 **UNITED KINGDOM British Forces BS** in EG 0242-0329, ID as "BFBS Radio 1", xmtr site unknown, dedications from family members to British servicemen in the ME, wx rpts, pop mx, hip hop etc. //13720 and 6135 after 0300, 13720 best of the three (Comeau MA 2/17)
- 6035 **SAO TOME VOA** relay in EG 2100, "VOA News Now", jazz, mx mix, ID, g (D'Angelo PA 2/23)
- 6120 **IRAN VOIRI** in EG 0216, pgm re US economy's effect on global economy, nx headlines, fqy, sked, QTH, mx, into HB service, f-p (Barbour NH 3/5)
- 6135 **UNITED KINGDOM BFBS** in EG *0259-0330, TC, nx, "Middle East Breakfast Show" w/pop mx, dedications to servicemen in ME, wx for ME sites, ID (D'Angelo PA, Wood TN, Brandi NJ)
- 61398 **COLOMBIA R Melodia** Bogota in SP 2304, ID, fqy ancmts, ads, phone call-ins, g (D'Angelo 2/17)
- 6150 **SINGAPORE RSI** in EG 1149, pop mx, solid ID, no QRM from Austria this time (Barbour NH 2/26)
- 6155 **RUSSIA V of Russia** via Vladivostok in EG 0258, ID, website, IS, rpt on Iraq, g (McGuire MD 2/28)
- 6165 **VIETNAM V of Vietnam** Hanoi in Hmong 1246, mx, play, NA, g, //50348 (Ziolkowski WI 2/24)
- 6165 **CROATIA Croatian R** in CR 2248, guest interview talking abt Lithuania, g (Wood TN 2/27)
- 6175 **CANADA V of Vietnam** relay in EG *0100, ID, national nx, ment of Iraq, g (McGuire MD 3/7)
- 6180 **BRAZIL R Nac da Amazonia** in PT 0840, phone tlk, ID, LA ballads, vg, //11780 (Alexander PA) in PT 2250, ancmts, nx, ment Pres Bush & Iraq, ID's, NA at 2302 s/off (Wood TN 2/27)
- 6280 **ISRAEL V of Israel** Jerusalem in EG/FR *0500, EG nx, wx rpt, into FR nx 0515, vg (Alexander 3/1)
- 6536 **PERU R Dif Huancabamba** in SP 0145, OA vocals, ID, ads, echo ancmts, f (Alexander PA 3/1)
- 6940 **ETHIOPIA R Fana** Addis Ababa in Oromo 0330, mx interludes, //6210, heavy jamming activity until 0344, clear reception when jamming stopped, best reception in some time (Montgomery PA 3/11)
- 7125 **GUINEA RTV Guineenne** Conakry in FR 0750, ID "Radio Guinea emetant du Conakry" at 0801, into nx in FR, back to mx 0804 (Brandi NJ 2/10)
- 7185 **MOROCCO Radio Sawa** via VOA relay in AR 0101-0140, several ID's, website given containing complete listing of MW, FM, and SW xmsns as well as fqys & times at <http://www.radiosawa.com>, nx items 0115, AR mx pgm 0130, some EG pop tunes, exc signal (Montgomery PA 3/19)
- 7200 **GREECE VOA** relay in Farsi *0300, ID, excerpts from speech by Pres Bush, f (McGuire MD 3/7)
- 7245 **MAURITANIA R Mauritanie** Nouakchott in AR *0800, carrier on 0723, string instrument IS to s/on, ID in AR, Qur'an, tlks mostly in AR w/some dialects, f-g (Jaar QUEBEC 2/22)
- 7270 **ALBANIA R Tirana** in AL *0000, IS, ID, fqys, sked, national nx, g (McGuire MD 3/1)
- 7285 **GERMANY V of Croatia** relay via Juelich in EG/CR 0305, ID's in various langs, nx abt European Union, Croatian RTV, and economy, g (Barbour NH 3/5)
- 7325 **AUSTRIA RAI** Moosbrunn in EG *0230, local nx items, "Report from Austria" on national politics, abrupt s/off at 0256, exc (Brouillette IL 1/23)
- 7430 **GREECE RS Makedonias** in GK 2130, tlks, GK mx blocks, ID at 2000, into nx, g (Barbour NH 3/12)
- 7500 **BULGARIA R Bulgaria** in EG 2220, feature on recent events/developm'ts, g, //5800 (Fraser MA 2/11)
- 9400 **BULGARIA R Bulgaria** in EG *0000, IS, ID, fqy, sked, rpt on Iraq, nx abt BG's borders, comments on tourism, mx by Sofia's Children's Choir, g (McGuire MD 2/16, Wood TN 2/26)
- 9410 **CYPRUS BBC** relay in EG 0102, nx re Iraq situation, Hussein on Russian TV, Big Ben chimes, pips, ID (Dybka TN 3/17, McGuire MD 2/28)
- 9420 **GREECE V of Greece** Kavalla in GK 2200, usual nice GK mx, sked, nx (Brouillette 2/9, Fraser 2/17)
- 9445 **INDIA AIR** Aligarh in EG 2210, nx, ID, long contry on Iraq situation, p (Brouillette IL 2/9)
- 9460 **TURKEY V of Turkey** in TK 2220, TK classical mx, ID, nx (Brouillette IL 2/9, Newbury NE 2/22)
- 9470 **INDIA AIR** Aligarh in EG/HD 1230, ID, nx, many ments Iran and Pakistan, into HD 1235, ID for "FM 2" so relaying the FM service, into business nx pgm in EG 1300, f (Ziolkowski WI 2/25)
- 9475 **EGYPT R Cairo** in EG 0243, "Radio Cairo Today" re cultural center and FR artist, ID, AR mx, feature on history of Egyptian cinema, strong signal but terrible audio (Barbour NH 2/5)

- 9490 **GERMANY RTBF**(Belgium) relay via Juelich in EG/FR 0409, EG/FR pop mx, various songs, quick "RTBF" ID, vg (Barbour NH 2/26)
- 9540 **MOROCCO VOA** relay in Serbian 2230*, tlk on space shuttle disaster, ID in EG, nx headlines, ID's in Serbian and EG, s/off w/usual "Yankee Doodle" IS (Brouillette IL 2/9)
- 9545 **GERMANY Deut Welle** Wertachtel in GM 2240, pop mx pgm, Bee Gees, mail, f (Brouillette 2/15)
- 9555 **SAUDI ARABIA BSKSA** Riyadh in AR 2003-2300*, AR mx, pips, ID, 2 ancrs w/ments of USA, Russia, and Kuwait, nx (McGuire MD 2/23, Wood TN 3/4, Brouillette IL 2/15)
- 9560 **CANADA R Korea** Int relay in EG *0200, ID, rpt on trade agreement w/Chile, g (McGuire MD 2/16)
- 9580 **AUSTRALIA RA** in EG 1440, poet Peter Porter address on writing poetry today (Newbury NE 2/23)
- 9600 **SINGAPORE RSI** in EG *1100, ID, fqy, sked, quickly blotted out by R Rebelde s/on (Barbour 2/26)
- 9615 **BRAZIL R Cultura** São Paulo in PT 2240, ezl Latin Am mx, ID, f/g (Wood TN 3/4)
- 96458 **BRAZIL R Bandeirantes** São Paulo in PT 2300, tlk show, ads, ID, vg (Brouillette IL 1/26)
- 9665 **SINGAPORE RSI** in Malaysian 1040, econ nx, tlks re Europa and Russia, ID/jingles, E mail address, pgm w/sound of accelerating auto, pop mx, ballads, NHK splatter at *1100 (Barbour NH 2/18)
- 9675 **BRAZIL R Canção Nova** in PT 2215, DJ patter, up tempo L Am mx, long ad block, completely lost at 2240 by RAI Rome s/on (Wood TN 3/4)
- 9690 **NIGERIA V of Nigeria** Ikorodu in EG 0502-0532, ID, nx bulletin, cmntry re national ID card, sports and econ nx, strong signal, no //s noted (Barbour NH 2/7)
- 9705 **NIGER R Niamey** in FR 0657, phone tlk between OM & YL, pips,mx, ID "La Voix du Sahel", fqys, sign off at 0702 (Brandt NJ 2/18)
- 9730 **FRENCH GUIANA China R Int** relay in CH/EG *0358, IS, ID, rpt on Iraq, g (McGuire MD 2/28)
- 97796 **YEMEN Repub of Yemen R** in EG 1800-1900, pop mx, nx 1830 & 1855, closing ancmts 1858 w/ID, NA at 1859, into AR at 2000 (Alexander PA 2/16) in AR 2121, pop mx, guitar mx (Newbury NE 2/22)
- 9805 **FRANCE RFI** Issoudon in FR 0020, tlk on traditional FR foods, SE Asia xmsn (Brouillette IL 2/23)
- 9870 **AUSTRIA RAI** Moosbrunn in EG 0005, nx, wx rpt, ID, "Report from Austria", g (Brouillette 2/23)
- 9885 **SWITZERLAND SRT** Sottens in FR *2200, IS, ID, QTH, website, nx (McGuire MD 2/15) in EG 2345, tlk on genetically modified foods and lack of Swiss Govt policy on same (Brouillette IL 2/22)
- 9960 **ARMENIA V of Armenia** Yerevan in EG 2038, Klismer mx, IS, NA at TOH, skeds, fqy, ID, general nx, and ancmts, vg (Wood TN 2/1)
- 9990 **EGYPT R Cairo** in EG 2200, short story, AR pop mx, g (Fraser MA 2/11)
- 11540 **EGYPT Egyptian RTVU** Abis in AR 1908, tlks re Iraq, mx breaks, fair w/hum (Barbour NH 2/25)
- 11570 **PAKISTAN RP** Islamabad in CH 1223, chant, tlks, NA and s/off 1229, //15105 (Zilokowski WI 3/14)
- 11605 **ISRAEL V of Israel** Tel Aviv in EG 1730, nx re Hamas seeking revenge against Israel, f, //17545 (Fraser MA 2/17) in EG 2004, nx, ID, cmntry re Middle East peace process, f (Newbury NE 2/23)
- 11620 **INDIA AIR** Bangalore in EG 1355, Indian film mx, g, //13710 (Hanlon PA 2/17) in EG 2055, nx, chant in Indian dialect w/sitar, f (Newbury NE 2/22)
- 11710 **SOUTH AFRICA Channel Africa** in EG 0500, nx, visit to Congo by Botswana Pres (Dybka TN 3/16)
- 11740 **IRAN VOIRI** Sirjan in EG 2131, NA, ID, fqy, sked, "Holy Qur'an" in AR, nx re "Supreme Leader", Zionists, and Palestine, f-p w/flutter and fades (Barbour NH 2/25)
- 11810 **JORDAN R Jordan** in AR 1245, AR vocal, tlks, disco type mx, //15290 (Ziolkowski 3/14, Dybka 3/16)
- 11815 **COSTA RICA REE** Spain relay in SP 0057, IS, pips, opera/lite classical mx, //6055 (Wood TN 2/26)
- 11820 **SRI LANKA VOA** relay in EG 0200, ID, TC, "VOA News Now", rpt on Iraq, g (McGuire MD 2/17)
- 11875 **MOROCCO VOA** relay in UK 2100, IS, ID, national and regional nx, g (McGuire MD 3/6)
- 118849 **SEYCHELLES FEBA R.** in EG 0400*, "Spotlight" pgm abt wild wolves, ID and IS "What a Friend We Have in Jesus" at s/off (Alexander PA 2/16, Dybka TN 3/16) ED: EG xmsn only on Sun-Thur-Fri
- 11905 **GERMANY IBRA V of Hope** via Juelich relay in EG/Urdu? 1534, long relig tlks in EG, choral mx, and website for "questions for God", tlks in Urdu? to TOH, f (Barbour NH 3/3)
- 11960 **MALI RTVM** in FR 0825-0920+, Afro folk mx, tlks, g, //9635, 72844v (Alexander PA 2/22)
- 12015 **MONGOLIA V of Mongolia** Ulan Bator in EG 1509, ID's, nx items incl item on Iraq situation, mx interludes between items, more mx for last 6 mins of bcst, faint sig, QRN (Wood TN 3/18)
- 12040 **UNITED KINGDOM BFBS** in EG *1700, xmtr site unknown for bcsts to British troops, coverage of futbol game, TC, wx rpts for various locations where British troops are located, nx, "This is P.M." re PM Blair's stance on Iraq, Big Ben chimes, abrupt s/off 1800 (Barbour NH, D'Angelo PA, Hanlon PA)
- 13680 **SRI LANKA VOA** relay in Urdu 1702, nx w/mentions of NATO and Pakistan, g (Hanlon PA 2/17)
- 13690 **AUSTRALIA Christian Vision Int'l** via Darwin in EG 1311, mx by Sting, relig tlk "Meeting One's God", website, p w/bad QRN from WYFR 13695 (Barbour NH 3/5)
- 13700 **NETHERLANDS ANTILLES R Vlaanderen Int'l** via Bonaire in EG *2230, "Music from Flanders" w/classical mx selections, s/off 2256, exc (Brouillette IL 1/25)
- 13790 **GERMANY Swiss R Int'l** relay in EG 1745, rpt on crackdown on racism, g, //9755 (Fraser MA 2/17)

- 13820 **GERMANY V of Croatia** relay via Juelich in EG, nx, ID, weak but clear (Alexander PA 2/17)
- 15110 **SPAIN REE** Noblejas in SP *1900, IS, ID, fqy, skeds, sports event coverage, g (McGuire MD 2/15)
- 15120 **NIGERIA V of Nigeria** Ikorodu in EG 2226, "Who Are the Nigerians" profiling ethnic groups, f-p w/QRM from co-channel China (Brouillette IL 3/1) in EG 0520, mailbag, Afropops (Dybka TN 3/16)
- 15240 **MOROCCO VOA** relay in EG 2200, ID, "VOA News Now", African svce, IS, f (McGuire MD 3/6)
- 15400 **UNITED ARAB EMIRATES R Dubai** in EG 0349*, nx, wx rpt, lite mx, pgm about Hindu scholars, f //12005, 13675-best (Alexander PA 2/16)
- 15475 **GABON Afrique No. 1** Moyabi in FR 1728, EG pop mx/R&B dance mx, OM in FR as DJ between items giving artists and song titles, several ID's, g (Barbour NH 2/22)
- 15480 **AUSTRALIA HCJB Australia** Kununurra in EG 1353, OM preaching, ID 1400, nx, sports rpt, more relig pgming, f-p (Hanlon PA) in EG 1232, "Music of Australia", tlks re Australian history, ID 1300 "VO the Great Southland, Radio from the Heart", TC, fqy, "Focus on the Family", g (Barbour NH 3/3)
- 15530 **UNITED KINGDOM BFBS** in EG 1500-1700*, xmt site unknown for bcsts to British troops overseas promos, canned ID, dedications to loved ones in Kuwait, nx, pop mx (Barbour NH, Hanlon PA)
- 15610nf **FRANCE Voice of Africa** (Libya) relay in AR 1620-1820, ID's, //11635, 11715, 15660 (Jaar Quebec)
- 15715 **GERMANY Voice of Hope** relay via Juelich in VT *1329, intro mx, tlks, ID, numerous mentions of Vietnam, mx 1341, nx re Pakistan and Al-Qaeda, g (Barbour NH 3/5)
- 15755nf? **GERMANY IBRA Radio** via Juelich in EG/Urdu? 1431, end of contact info for "Hope from Heaven", Cyprus QTH, long tlks in Urdu?, EG choral mx, website, g (Barbour NH 3/4)
- 17830 **SEYCHELLES BBC** relay in EG 2203, nx rpt on how Internet is down worldwide due to virus, fair (Brouillette IL 1/25)
- 17830 **ASCENSION ISLAND BBC** relay in EG 1900, ID, pips, rpt on Iraq, African svce (McGuire MD 2/18)
- 178354 **EL SALVADOR R Imperial** Sonsonate in SP 2352, Lat AM vocals, ID, fqy, continuous music of ballads and religious tunes until sudden s/off 0012, poor w/deep fades (D'Angelo PA 2/18)
- 17870 **SOUTH AFRICA Channel Africa** in EG 1720, rpt on invasive foreign aquatic plants (Fraser MA 2/17)
- 18940 **NORWAY R Afghanistan** relay in Pashto 1403, nx in lang, ID, regional mx, f (D'Angelo PA 3/7)
- 21470 **ASCENSION ISLAND BBC** relay in EG 1537, live airing of Hans Blix rpt to UN Security Council, ID's, g, //17830, 21660, 15565 (Barbour NH 2/14)
- 21675 **USA R Marti** relay Delano, CA in SP 2145, pop mx, b-day greetings, website (Brouillette IL 1/25)
- 21740 **AUSTRALIA RA** in EG 2138, satire tk show, probably relay from domestic svce (Brouillette 1/25)
- Clandestine, Tentative, Presumed, or Unknown**
- 6050 **NIGERIA(p) R Nigeria Ibadan(p)** in EG 2054, ments "Nigeria", rough copy, muffled, bad hum and several breaks in audio, vp (Barbour NH 3/12)
- 6060 **UNIDENTIFIED (Namibia?) NBC** Windhoek?? in EG? 2152-2217, continuous EG pop mx, Righteous Brothers, Beatles, Cindi Lauper, no IDs or tlc b/w songs, poor under noise, QRM (Barbour NH 3/5)
- 61507 **CYPRUS NORTHERN Bayrak R Int'l (p)** in EG 2351, Bobby Vinton's "Blue Velvet" at low level, YL DJ's voice one hrd on Bayrak previously, Dr Scott s/on 2358 wiped fqy out (Maroti NY 3/10)
- 6350 **CLANDESTINE V of Tigray Revolution** in Tigrinya *0356, familiar opening mx, IS, ID, flute mx, nx, Horn of Africa mx, strong signal (D'Angelo PA 2/27)
- 6985 **CLANDESTINE V of New Sudan** in AR 0344-0435, continuous regional vcls to 0400, Big Ben type bells followed by a gong at TOH, ID?, tlc w/flute & drum mx, xmsn mostly tlc, f (D'Angelo PA 3/1)
- 7380nf **CLANDESTINE V of Biafra Int'l** via Meyerton, So Africa in EG 2116-2159*, replacing 12125 fqy, at new time (2100-2200 on Sat), anti-Nigerian govt. tlc, ID, folk song but mostly tlc (D'Angelo 2/22)
- 7520 **CLANDESTINE V of Ethiopia** in EG 2059*, t/in to Horn of Africa vcls 2042 followed by OM with an editorial re French support for brutal dictators in Africa and selling arms to both sides, instrum'l music nx items, re Ethiopian govt suppression of journalists, flute mx before s/off, p-f (D'Angelo PA 3/9)
- 7590nf **CLANDESTINE Saut al-Islah** in AR 2030-2127*, endless tlks by various OM's, no mx, p-f, active bubble jamming which continued after pgm s/off (D'Angelo PA 2/17)
- 9420 **PHILIPPINES(t) FEBC Radio(t)** in CH 1238, tlks, ballads, tent ID 1245 w/excitable chatter, light chat b/w OM and YL until 1256, weak but clear signal (Barbour NH 3/14)
- 9425 **INDIA(p) AIR Bangalore(p)** in HD? 2205, group of OM's in rhythmic chants, f (Brouillette IL 2/9)
- 9565 **BRAZIL(p) R Tupi Curitiba(p)** in PT 2250, "Deus c Amor" pgm listed as relayed continuously by this station, shouting preacher, no station ID given (Brouillette IL 2/15)
- 9750 **CLANDESTINE V of the Iraqi People** in AR 2208, mx, tlks, military-band style intro, ID(p) at 2230, obliterated by s/on of RCI, Sackville on 9755 at 2230, good until then (Barbour NH 2/19)
- 11840 **CLANDESTINE R Santec** via Juelich, Germany relay in EG 1804, YL w/relig spiritual tlks re ethics and morals, QTH Wurzburg, GM, fair w/splash from 11835, Sun only xmsn (Barbour NH 2/23)
- 15670 **CLANDESTINE V of Democratic Eritrea** via Juelich, Germany in Tigrinya *1700, Horn of Africa mx opening mx, ID, mainly long tlks w/mx bks, into AR pgm 1730, more long tlks, 1800* (D'Angelo 2/17) 

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