

The **NASA** Journal

VOLUME XLI NUMBER 3

MARCH 2001

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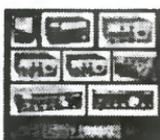
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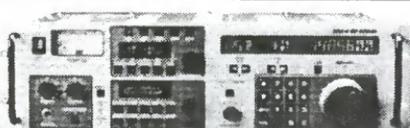


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#2006 FVS-1A	Voice Synthesizer	38.95

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RX-340

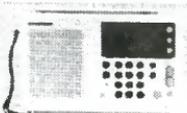


The Ten-Tec RX-340 is the ultimate receiver! Advanced D.S.P. technology at under \$4000. Production units started shipping in July. Please see our print catalog or online catalog at www.universal-radio.com for full technical details.

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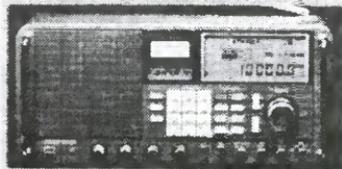


The Grundig YB-300PE brings impressive features and performance to the under \$100 price category. Coverage includes: AM, FM stereo plus SW from 2.3-7.3 and 9.5-26.1 MHz. You get 24 memories, keypad entry, DX switch, 24 hour clock and illuminated digital readout. Includes AC adapter, case and earphones. #0300 **\$99.95**



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NASWA Notes

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

Last Call! The NASWA sponsored **Winter SWL Festival** in beautiful Kulpsville, PA will take place in only a matter of days. Celebrate the highlight of the cultural season with **FEST**meisters **Richard Cuff**, **John Figliozzi**, a dazzling, star-studded program and an impressive band of merrymakers and volunteers. It is never too late to attend so if you have not made plans to be there, now is the time to act. As always, we all look forward to seeing you in Kulpsville!

There are a lot of new and exciting hobby related publications to talk about this month. First, long-time member and **EDXP** compiler **Bob Padula** announces the availability of a new tool for shortwave listeners, the *China Shortwave Guide*. The Guide is a comprehensive tabulation of data for broadcasters known to be operating in China (international and regional) and in Taiwan (excluding clandestine stations), which includes the leased relays in those areas by international broadcasters as well as the relays outside China and Taiwan known to be operating for China Radio International and Radio Taipei International, respectively. The Guide contains over 1000 entries in frequency order, in frequency order, and is free via electronic delivery. It is an Excel 7.0 .xls file of about 400-kb, not compressed. The file may be sorted, rearranged, or filtered as required, and any or all of it may be printed (it prints out to some 20 pages of A4, using a font of size-8). It may also be exported into other applications for rearrangement or reformatting. Each entry shows the network, organization, frequency, start time, end time, target, language, transmitter site, transmit-

ter country, and broadcast days. I found it a valuable reference at the February French Creek DXpedition. A free copy may be requested electronically from Bob Padula at bobpadula@bigpond.com. A print version of the 20-page China Shortwave Guide is available in A4 format for Australia addresses, \$5.00 (cash, checks, postal orders, mint stamps) to Australian addresses; US\$5.00 (A\$10.00) (cash, 7 IRCs, international money orders in Australian currency, mint Australian stamps; no checks) airmail elsewhere in the world from: Bob Padula, 404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia.

Second, I received some very exciting news from **Willi Passmann** about the latest version of his excellent *Tropical Band List* ("TBL"). The latest edition is now available in new versions and formats. The standard version lists Home Service and Clandestine stations up to 7 MHz but a new, expanded version is now available which covers the entire spectrum up to 30 MHz. Both lists are now offered as PDF documents, which are mailed as e-mail attachments. This results in a much lower price since the high cost German postal system is eliminated from the distribution process. The standard TBL in PDF format costs just US\$5.00; the expanded TBL costs only US\$7.00 (checks can only be accepted in DM, 10 and 15, respectively). Both versions of the TBL, or further information, can be obtained direct from Willi Passmann (info@radio-portal.org), Oberhausener Str. 100, D-45476 Mülheim/Ruhr, Germany. This publication is highly recommended. Watch the *Shortwave Center* column for a full review that will appear in an upcoming edition of the *Journal*.

Our Motto is - "Unity and Friendship"

NASWA

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

Finally, our good friends the Radio Professors have written another book. *Dangerous Crossings*—the story about the first modern polar expedition of 1925—by **John H. Bryant** and **Harold N. Cones** is available at bookstores, online (www.nip.org) or direct by calling 1-800-233-8764. Published by the Naval Institute Press in Annapolis, Maryland, the book contains 232 pages, 31 illustrations, 5 maps and extended notes and bibliography and costs us\$27.95 plus shipping/handling. I picked up my copy just a few days prior to completing the column and I can report that it is a "good read." A complete review will appear in a future edition of *Listeners Library*.

Grand contest wizard **Harold Cones** reports that the 2001 North American DX Championships ("NADXC") scheduled for this month has been cancelled due to lack of participant interest. The NADXC has seen the number of participant's fall dramatically over recent years questioning the viability of the event going forward. Although it would be nice to continue this annual challenge, the organizers need to know if hobbyists still have an interest in such events. Feedback though the *Musings* column will be watched closely

by Harold and his band of contest elves to determine if the NADXC returns in 2002. It's up to you, the membership, to have your voices heard about the future of this event. Please offer your thoughts in a musing today. Otherwise, I am afraid the NADXC will be history.

Frank Aden informs us that the 2001 WTFDA Convention had to move to the Super 8 in Boise rather than the scheduled Owyhee Plaza Hotel. The 2001 WTFDA Convention will be held from 27-29 July 2001. Watch the *Calendar of Events* for further updates.

Our last DXpedition of the season is in the books. Naturally, like all DXpeditions, there was a little something to be said about almost everything. The results should be in the *Log Report* and, hopefully, in the *ASL Report* over the coming months. Overall, I think the DXpeditions were the best in recent years so I am quite pleased. There is more about the latest adventure in the *Musings* column.

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

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.

Richard Cuff <rdcuff@sprintmail.com>, 327 Springhouse Road, Apt. 102, Allentown, PA 18104

I just wanted to take a brief moment to thank those who have volunteered to oversee the Hospitality Room at the 'Fest, the "Three M's" of Marie Lamb, Maryanne Kehoe, and Mike Wolfson. I know there will be situations throughout the 3 days of the 'Fest where we could use extra sets of hands to help with registration, raffle ticket sales, and room setup. If you hear John, the Three M's, or me asking for help, I hope you will unhesitatingly pitch in. See you in less than a week—"Co-Festmeister" Cuff

Gordon F. Hein, Jr., Box 410, WH-3-N, Redfields, SD 57469-9299

I have just joined NASWA again in December of 1999. I really enjoy the hobby of shortwave listening very much. I tried to find Radio Jordan in English at 1400. They were on 17,680 kHz last, but now it seems they have moved to a new frequency. Anybody know to what frequency Radio Jordan has moved? I also want to say "hi" to my friend Tom Jones, a good shortwave friend of mine in Plankington, SD. Conditions seem to be better after 1300 UTC.

73 and very good DXing, Gordon

Gene Borowski <Ejb3691@cs.com>, 139 Regan Avenue, Staten Island, NY 10314

I'm submitting the following to the "Musings" column in hopes that a few NASWA members can take the time to help me with some information.

As an active DXer and QSL collector, I've often found it to be frustrating that the BBC at Bush House will not verify reception reports. So, along with many of you, I have been sending my BBC World Service reception reports direct to their relay stations located worldwide.

I have to admit that I have been quite surprised at the success that I have had in garnering BBC QSLs in this manner! As of this writing I have 7 BBC verifications in my collection. Even the good people at Sackville were kind enough to write back and let me know that since they do not keep any official log of their relay services they cannot issue any verifications.

The only BBC QSL I have had trouble in getting is from the *Far East Relay* located in Singapore. Over the past couple of years I have sent about 4 or 5 reports only to be shut out from any sort of reply. Thus, one of the reasons for this submittal....

Has anyone out there ever received a QSL from BBC Singapore? If you have can you please let me know what address you sent your reports to? I have been sending my reports to the address listed in *Passport to World Band Radio*. I always thought that: 26 Olive Rd.—Singapore was a little strange, but it is the only one I have to go on. Does anybody have a different address?

I'm also curious to know about QSLs that anybody has received from the VOA. Like the BBC I have been sending my reports to relay stations all over the world. Unlike the BBC, however, the results have been dismal to say the least. So far I have only received QSLs from Wooferton, Thailand, and Sri Lanka.

FRENDX: Twenty Five Years Ago....

Charlie Loudenboomer discusses learning a foreign language by radio. Kevin Szot volunteered to be the new Competition Chairman, replacing Dan Ferguson. Andy Robins stepped down as LR-A editor. Effective with the April issue of *Frendx*, Dan Robinson was the new LR-A editor. Helping Hand offered Dan Henderson's HQ-180A receiver for \$300.00. In Jerry Lineback's Shortwave Center, John Moritz wrote about VNG time signal service in Australia. Larry Magne forwarded information about Israel Broadcasting Authority. Charles Taylor wrote about precision frequency measurement in the shortwave broadcast bands. Glenn Hauser discussed the role of Guatemalan stations during a major February 4th earthquake. In the QSL Report, Bill Oliver notes 56 reporters verified 108 countries. Radio Mexico and Radio El Espectador seemed to have begun QSLing. Harold Sellers was offering the three-page "Pennant Collecting Guide" for \$0.40. Distributing Editor Greg Ravenhorst's first "Credits" page appeared.

If it is not too much trouble, can someone let me know how they went about getting VOA QSLs? Did you write to relay stations or did you send your reports direct to the Washington D.C. address?

Anyway, Thank You all very much for taking the time to read my words. I also Thank You all in advance for contacting me! I appreciate your input and help!!!

'73! Gene

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

Our third and final DXpedition of the season, and ninth overall, to French Creek State Park is now history. This DXpedition was a Wednesday through Saturday event with the entire gang arriving on Wednesday. Ohio's favorite poverty expert, George Zeller, joined Fred Kohlbrenner, Bob "Mr. Coffee" Montgomery, Ed Mauger, and me. The park received a modest 15-inch dusting of snow two days before our arrival, which made antenna work up the steep slopes behind the cabin an adventure. Upon arrival Ed and George compared antenna wire. Ed was very careful to have multiple colors of wire in his truck in order to be sure he had different color wire than George. Last year George was credited with dismantling the wrong antenna while Ed was listening to Nepal. It was an experience worth forgetting but, unfortunately for George, nobody at the Winter SWL Festival the following month was willing to forget about it. *[And clearly, Rich still isn't willing to let him forget it.... -rb]* Nevertheless, day one was essentially uneventful with no injuries or strange accidents to report.

Africans were rolling in our first afternoon and there was an interesting long wave opening with Algeria (153), France (162), Morocco (171), Turkey (180) and Atlantic 252 being heard. There were also some interesting medium wave openings but maybe that should be reported to another club, hi! Shortwave saw a very quiet Latin evening but India was strong and Tashkent made a surprise appearance around 0300.

The following morning Latin's were heard at reasonable levels. Unfortunately, PNGs, except for 4890 kHz, and Indos were not heard. A few Indian regional stations were available but nothing else outstanding from Asia.

Our first "near miss" disaster struck in the evening. Ed was cooking up a steak when the smoke alarm went off. Although we could hear it, we couldn't find it. No wonder, I could not see further than three feet through the smoke! Ed's naturally (?) smoked meal was cooked to perfection but it was a little chilly in the cabin as we aired the place out. Years ago we had the "fire and ice" DXpedition that marked a severe ice storm in the Harrisburg area during our stay at Gifford Pinchot and a stir-fry meal that got out of control. This DXpedition became known as the "great white smoke out" because of the snow mounds surrounding the cabin and Ed's cooking technique.

For me the highlight was logging Diego Garcia, a new country, late Friday afternoon thanks to a tip from Fred. At the same time I spotted the Voice of Russia from Kaliningrad for Fred to log, a new country for him. This happened during the same hour marking a first time event of simultaneous new countries logged thanks to tips from the guy sitting next to the DXer. I bet that doesn't happen at too many DXpeditions!

The DXpedition closed down with George dismantling the correct antenna. A monumental feat considering his track record.

73 - RAD

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.

Calendar Of Events

Mar 9-10 Convention. The **14th Annual Winter SWL Festival**, sponsored by NASWA, will be held in Kulpsville, Pennsylvania (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike). Richard Cuff and John Figliozi co-chair the organizational committee. It's not too late to decide to attend. See you there!

Mar '01 CANCELLED Contest. 2001 North American DX Championships. For further information you can send a self-addressed stamped envelope to 2001 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606. Rules will also be posted eventually at <http://www.anarc.org/>, and are published in the Awards column in the Journal. **CANCELLED** See *NASWA Notes* for further information.

Mar 16 Meeting. Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831 or Internet: dcscpk@aol.com.

Mar 16 Meeting. Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <http://www.anarc.org/naswa/badx/>.

Apr 13 Meeting. The Cincinnati/Dayton Monitoring Exchange (MONIX) meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at mmeece@siscom.net. For additional information about MONIX, check out their web site at <http://www.siscom.net/~mmeece/monix.html>

May '01 Annual General Meeting. The **Danish Shortwave Club International** will hold its AGM at the Restaurant Grantoppen, Grandtoftestraede 11, DK-2750 Ballerup, Denmark (telephone +45 44 97 59 26 for reservations) on Saturday, May 12th. Scheduled activities include a visit to the Radio Museum of Denmark with 250 receivers on display and a lecture by Sonja Persson about her 40 years working for HCJB.

Jul'01 Convention. The **2001 WTFDA Convention** will be held in Boise ID at the Super 8 Motel from 27-29 July. More details to come. Inquires can be sent to: N7SOK@aol.com or by writing to 4096 Marcia Place, Boise ID 83704.

Aug '01 Conference. The annual **EDXC Conference** is scheduled to be held from 24-27 August 2001 in Budapest, Hungary. All DXers, shortwave listeners, international broadcasters and other radio enthusiasts are cordially invited to attend. Additional information is available from risto.vahakainu@helsinki.fi.

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).

Easy Listening

Richard D. Cuff • 327 Springhouse Road, Apt. 102 • Allentown, PA 18104 • rdcuff@sprintmail.com

Here Comes the Fest!

You can't say I didn't warn you! By the time you read this, I'll have my bags packed and ready for the pilgrimage to Kulpsville. One of the most interesting aspects of the 'Fest, in my opinion, is the mix of topics to be covered in the forum sessions. Add to that mix the increasing number of broadcaster participants—we're expecting six as of last count—and you get an unparalleled opportunity to mingle with fellow enthusiasts for shortwave radio. We are pleased that several participants are "first time 'Festers", and we hope and expect they'll have a great time and enjoy meeting other NASWANS.

If you have some ideas for *Easy Listening* topics, please take a moment to let me know during the 'Fest.

Seasonal Changes

Radio New Zealand International will be changing the air times for its relay of domestic National Radio programming as they switch from New Zealand Summer Time to Winter Time in mid-March. Thanks to John Figliozzi for the time change reminder.

Those broadcasters whose programs change with the Northern Hemisphere switch to Summer Time will likely switch on March 26th.

New on RCI

Canada's **CBC** has recently introduced a new program, *Dispatches*, which airs on **RCI** Thursdays 0030 UTC. The program looks promising; the following is taken from the CBC website: "For thirty minutes each week, *Dispatches* brings to Canadians in-depth coverage of foreign affairs and world

events as seen through Canadian eyes. Through documentary reports, interviews, essays and the voices of the people most affected, some of the finest correspondents in broadcasting will bring understanding to critical world issues affecting Canadians and people around the globe. *Dispatches* is hosted by Rick MacInnes-Rae, one of CBC Radio's most experienced foreign correspondents. The program looks to have a sense of humor as well: "...There is a place on *Dispatches* for the story of how the settlement for a Bosnian sheep, accidentally killed by the CBC armored car, ended up on a Travel Claim under the heading 'Silence of the Lambs.' *Dispatches* has a sense of humor as big as all outdoors." If your schedule has you elsewhere at 0030 UTC, you can listen to the program live via the various CBC Radio One webcasts, and on-demand program archives are available at URL http://radio.cbc.ca/programs/dispatches/html_site/audio.htm. Thanks to John Figliozzi for the tip.

Also, there is a new **RCI** English transmission (**RCI** -produced programming) to the Indian Subcontinent, at 1500-1600 UT, on 15360 & 17820 kHz via Flevo. You'll recall that there were tests from Flevo to India for three days in the second week of November. Thanks to Bill Westenhaver via Glenn Hauser's *DX Listening Digest* for this information.

Sweden via Canada

No, we're not talking about changing planes in Toronto. **Radio Sweden** is now relayed to North America evenings at 0230 UTC on 9560 kHz. A direct broadcast via Sweden continues on 9495 kHz. Source: Radio Sweden website and Bill Westenhaver via *DX Listening Digest*. This is long deserved, and I would think Canada could bring in extra funding by soliciting non-reciprocal relays or by privatizing the Sackville site to Merlin Communications.

Radio Australia Changes

Since **Radio Australia** is now part of the main **Australian Broadcasting Corporation** (ABC) organization, and is now more dependent on domestic ABC output (primarily from **Radio National**), Radio Australia is now more directly affected by domestic issues within the ABC hierarchy. Last month, I included information from John Figliozzi regarding Radio Australia's program schedule from 0000 to 0600 UTC; I'll summarize below what you can expect from 0700 to 1500 UTC, which is the likely "prime listening time" for North America:

Weekdays

- 0700 *Pacific Beat*, including sport at 0730
- 0800 *PM* (current affairs)
- 0900 *Australia Talks Back*
- 1000 *Asia Pacific* (regional current affairs)
- 1030 *Reports* (Health / Law / Religion / Media / Sports Factor)
- 1100 *Asia Pacific*
- 1130 *Regional Sport*
- 1135 *Life Matters* (Personal and social issues)
- 1200 *Late Night Live*
- 1300 *The Planet* (world music)

Saturdays

- 0700 *Asia Pacific* (Weekend Edition)
- 0730 *In Conversation* (With Helen Brown)
- 0800 *Grandstand Wrap*
- 0830 *Earthbeat*
- 0900 *Science Show* (With Robyn Williams)
- 1000 *Pacific Review*
- 1030 *In Conversation* (Robyn Williams)
- 1100 *Asia Pacific* (Weekend Edition)
- 1130 *Fine Music Australia* (With Charles Southwood)
- 1200 *The Spirit Of Things* (With Rachael Kohn)
- 1300 *Science Show*
- 1400 *New Dimensions*

Sundays

- 0700 *Correspondents' Report* (With Hamish Robertson)
- 0730 *In Conversation* (With Robyn Williams)
- 0800 *Grandstand Wrap*
- 0830 *Innovations*

- 0900 *The National Interest*
- 1000 *Lingua Franca and Short Story*
- 1030 *Rural Reporter*
- 1100 *Correspondents' Report* (With Hamish Robertson)
- 1130 *In Conversation* (With Helen Brown)
- 1200 *Country Club* (With Richard Porteous)
- 1400 *Books And Writing*

As I mentioned last month, consider participating in the *swprograms* E-mail list reflector if you are interested in ongoing updates and program synopses for these Radio Australia programs, as volunteer publicist John Figliozzi regularly posts information he receives directly from his ABC friends. You'll find these are among the most interesting English language programs on shortwave.

BBC World Service Highlights

Perhaps the most important news for March is what is leaving the **World Service**. John Figliozzi (that name again!) reports that Richard Lambley, in the February edition of *Waveguide*, announced that the March edition would be the program's last edition. No reason was given, but if you want to catch the final broadcast, tune in Saturday, March 24th, 0430 for the final edition.

Also, *Jazzmatazz* is going on a (presumed) four-week hiatus as of March 9th, and is being replaced with *Courtney Pine's Global Jazz Tour*, in which Pine, one of Britain's leading jazz artists, visits several world cities and profiles well-known local jazz musicians and their music. Listen Fridays 0430 and Sundays 1305.

The last week of March will see some jumbled scheduling, as target areas seeing the winter/summer time shift in March will see programs moving back by one hour UTC for that last week. For North American listeners, this would suggest that the Europe feed will differ from the Americas feed by one hour for that week. The Americas stream will similarly shift the first Sunday in April.

In other World Service highlights:

Drama and the Arts

Off The Shelf seems to have a particularly enthusiastic North American following, due in part to the 0445 weeknight airtime that enables the program to be part of a nightly bedtime routine. The March program features one of the world's classic novels, Charles Dickens' *A Tale of Two Cities*, airing March 7th through March 24th. "...It was the best of times, it was the worst of times..." Other **Off the Shelf** highlights include Carol Shields' *Dressed Up for the Carnival*, beginning March 27th. Shields' work celebrates the *carnival* in several ordinary persons' lives; for 200 or so shortwave enthusiasts, that carnival begins March 9th in Kulpsville!

Play of the Week, Sundays 0000 UTC, features two multipart features in March.

The Clothes of Nakedness (part two) airs March 4th; this is Benjamin Kwayke's work set in Africa.

Anton Chekhov's *Three Sisters* airs March 11th and 18th; this is a repeat of a production first aired ten years ago. Anna Calder-Marshall, Julie Christie, and Amanda Root play the sisters, who live with their brother Andrey in a large house in a provincial capital of Czarist Russia at the end of the 19th century.

A sequel to *Three Sisters*, *Three Sisters Two*, by Reza de Wet, airs March 25th. de Wet, of Afrikaans lineage in South Africa, offers a parallel look at the collapse of value systems in the wake of a revolution—the Russian revolution—while at the same time providing an inferred commentary on South Africa in the late 1990s.

Mondays, 1405, and Tuesdays, 0105, beginning March 5th: **Meridian—Ideas** airs a special four-part series, *Adventures in Poetry*. Why do well-loved poems touch us? Is it language, style, or other historical context? And, how do we use poems to recall a particular memory and emotion? Peggy Reynolds hosts.

Tuesdays, 0405, and Fridays, 0630: **Omni-bus** has an intriguing two-part "drama-documentary" airing March 13th and 20th, *The Assassin*, covering the killing of former South African Prime Minister Hendrik Verwoerd. It will be interesting to see how this program separates the facts from embellishments, and if the program represents itself as a drama more than a documentary, since there's no way to superimpose the word "reenactment" on the radio.

Religion

Thursdays, beginning March 8th, 0045, repeated Fridays, 0430: **Heart and Soul** takes a three-week look at people who have searched for their spiritual and cultural roots through an unusual media. **Muslim Memories** is termed a "radio tapestry", in which people share stories of the challenges and pleasures of being a Muslim.

Thursday, March 29th, and Friday, March 30th, is a single program, **How Do I Tell My Child**, regarding how Christians of different traditions explain the events prior to Easter—Jesus' trial and crucifixion—to children.

Sports

Saturdays, beginning March 24th, 0205, and Tuesdays, 1505: **Test Tube Football** is actually part of the **Discovery** program block. Are premier athletes born with a specific knack for sports, or can talent be nurtured through hard work and training? Martin Fookes, world-class soccer players, and sporting experts debate the question.

General Features

Thursdays, beginning March 22nd, 1605, and Saturdays, 0305: The **Essential Guide** program block features **Seeds of Contention**, a three-part series covering one of the most interesting science policy debates: genetic modification of food. North Americans have made much less of the issue than Europeans. Proponents, opponents, farmers, and consumers are all interviewed in one of the thorniest technology debates of the day.

Thursdays, 0230, and Fridays, 1530: **Pick of the World** reprises the highlights of the prior week's World Service output, both in English, and spiced by offerings from other languages that can be appreciated by an English speaker. Daire Brehan hosts, and you can nominate your favorite program segment by E-mailing pick@bbc.co.uk or faxing +011 44 20 7557 2531. Note that London telephone codes have recently changed; if you used to dial '171' as the city code, you now dial '20' for the city code, and then '7' as the first digit of the phone number itself. Similarly, '181' has become '20' plus '8'.

Science and Health

Tuesdays, beginning March 13th, 0205, and Wednesdays, 1505: The **Health Matters** program block features **A Day in the Life**, a three-part series profiling three leading centers of medical excellence, in the Philippines, Saudi Arabia, and Bangladesh. Normally we in the USA consider our health care facilities to be without equal, but this program will show how other parts of the world, with different needs than ours, can excel in their own way.

Programming News via the Internet

You can now add **Radio Netherlands** to the list of broadcasters utilizing a bulk E-mail list reflector to disseminate advance programming information. Andy Sennitt has already been distributing this information in the *swprograms* E-mail group, and he has now set up a separate E-mail list for those who aren't *swprograms* participants. To join the Radio Netherlands group, send a blank E-mail mail to radionetherlands-subscribe@yahoogroups.com or by visiting the URL <http://groups.yahoo.com/group/radionetherlands/join>. Yahoo! has recently purchased the *E-groups* mailing list management service and now calls the service *Yahoo! groups*.

Other groups using an E-mail service include **Radio Sweden**, **Radio for Peace International** and **Deutsche Welle**. Unfortunately Allen Graham's transfer out of the English Service at **HCJB** necessitated HCJB's cancellation of its pioneering *Andean Herald* bulletin. Hopefully we can impress upon Allen the value of this service when we see him at the 'Fest.

Additional advance program information is available on **Radio New Zealand International**, **Radio Australia**, **cbc**, **China Radio International**, **Voice of America** (occasionally) and the **Voice of Russia** from dedicated volunteer participants in the *swprograms* E-mail discussion group.

As I've previously mentioned here, E-mail has become a valuable tool in station promotion because few international broadcasters know detailed program content any more than a few days in advance of a program's air date. Otherwise, you would see that information here! If you have a relationship with any broadcasters by which you can obtain advance program information, and you have access to E-mail, please consider joining the *swprograms* list and sharing your information with fellow enthusiasts. You can subscribe to *swprograms* by sending a blank E-mail to swprograms-subscribe@topica.com. Over three years of existence the list has now grown to more than 240 participants.

Wrapping Up

I hope to see many of you at the 'Fest in less than one week—judging by the advance registration pace, it looks like we'll have a decent turnout, including several first-time participants. Hopefully you won't be disappointed!

Until next month,

73 DE Richard



Shortwave Center

Jerry Lineback • 506 South Lawrence Avenue • Scranton, KS 66537 • jalinebk@satelephone.com

What is an ANARC or an EDXC?

By Richard A. D'Angelo

One of the questions I am frequently asked by shortwave listeners who are fairly new to the hobby is "What is ANARC?" and "What is the EDXC?" These are interesting questions that come from folks that joined the listening hobby after the heyday of either organization when huge annual conventions attracted hundreds of listeners to major gatherings. Although the EDXC still holds conventions, they are not as well attended as in "days gone by." Nevertheless, both organizations are alive and well still serving the hobby community after many years.

What is ANARC?

ANARC is the Association of North American Radio Clubs. ANARC was founded in 1964 under the leadership of Don Jensen. In honor of Don's foresight and commitment to the betterment of the listening hobby, ANARC named its distinguished service award after its first Executive Secretary. The primary aim of the organization is the promotion of close ties and interchange of ideas and information among North American radio clubs. Historically, ANARC has participated in communications on behalf of North American radio clubs and the listening hobby with broadcasters, equipment manufacturers and dealers, the news media and the general public. Over the years, it has helped in the establishment of standards, which may be adopted by and for individual radio clubs. Also, the association has helped in the establishment of resources and support for large-scale hobby-wide projects.

Membership in ANARC is open to radio clubs whose headquarters and principle places of business are located in North America or the Caribbean, and which publish a bulletin no

less than four times per year. ANARC presently has 14 member clubs. NASWA is a founding member of the association and a number of our leading club figures have been active in ANARC over the years serving as either Executive Secretary/Chairman or as a member of its governing board. ANARC strives to work for the common good of listeners in North America. All the clubs forming ANARC are responsible volunteer organizations. A seven member Executive Board within the guidelines stipulated in the ANARC Constitution operates the association. Each member club appoints an official ANARC Representative to complete the ANARC Staff. Our representative is Dr. DX, Harold Cones.

Its committees do some of the association's best work. The Committee to Preserve Radio Verifications ("CPRV") is a 5 person group whose goal is to preserve QSLs belonging to hobbyists who are no longer active. Many QSL collections are often misplaced or discarded when their owners pass away or leave the hobby. It is hoped that through this committee's effort, more QSLs will be saved from loss or destruction. If you are interested in preserving your own or others collections, please contact our own Jerry Berg (38 Eastern Avenue, Lexington, MA 02173 USA) for an information pamphlet about the committee, or visit the CPRV at Jerry's excellent site about the history of shortwave radio, www.ontheshortwaves.com. Our Awards Manager, Country List Committee member and Managing Editor Harold Cones is Chairman of the Contest Committee. This committee organizes and administers the popular North American DX Championships held annually in March of each year. Complete information is available from Harold Cones (2 Whits Court, Newport News, VA 23606 USA).

You can learn more about ANARC, its committees and clubs by visiting its website at <http://www.anarc.org/> Alternatively, you can write to Mark Meece, the current Chairman of the Executive Board, requesting such information. He can be reached at ANARC, 529 Sandy Lane, Franklin, OH 45005-2065.

What is the EDXC?

EDXC is the European DX Council. It was formed in 1967 in Skovlunde, a suburb of the Danish capital of Copenhagen. DXers from Denmark, West Germany, Netherlands, Norway and Sweden had met at Anker Petersen's home realizing that co-operation between different DX clubs would be a mutual benefit to all hobbyists. This led to the decision to establish the European DX Council as the

based in Europe and have at least 20 individuals, membership also requires to pay a regular membership fee and to reside in Europe, and the willingness to promote the aims of the EDXC. Other DX clubs or organizations, which do not satisfy these criteria, can obtain the status of an observer member. Each joining club has to serve at least one year as observer, before becoming a full member with voting rights.

The primary purpose of the EDXC is to promote co-operation between European DX organizations. Also, the organization seeks to achieve common objectives in the field of DXing, establish and foster close contacts with other DX organizations throughout the world, and improve contacts between DX listeners, radio stations and other organizations in the field of radio and telecommunications.

The EDXC has a unified country list supported by its members clubs. That is something ANARC has never been able to accomplish. They also publish a reporting guide written by Anker Petersen.

You can learn more about the EDXC by visiting its website at <http://www.swl.net/edxc/>. The website lists 18 clubs as members and five clubs as observers. Clearly, there are major similarities between ANARC and the EDXC.

.....
**The primary aim
of ANARC is
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among North American
radio clubs.**
.....

The Future

Since the year of its foundation, the Headquarters of the EDXC has been in a number of different countries depending upon who was the current Secretary General. For many years, England's Michael Murray was the Secretary General. In recent years, Risto Vähäkainu of Finland has lead the EDXC. The current Secretary General is Luigi Cobisi of Italy. As you can easily see, the EDXC does have a lot of international flavor to its structure.

Recent years have seen a downturn in hobby club memberships with many volunteer clubs folding due to financial problems. In the South Pacific region, SPARC—South Pacific Association of Radio Clubs—folded a few years ago as its membership dwindled from four clubs to two. Although ANARC and the EDXC had a much bigger role in the day-to-day affairs of the listening hobby 10 to 20 years ago, both organizations still play a major role in today's environment. As long as DX clubs exist, there should always be a role for an association that represents these clubs.

The EDXC is not a DX club. Similar to ANARC, membership to the EDXC is only open to DX clubs. Specifically, the clubs have to be

Radio Verdad, Guatemala

By Marlin Field

Radio Verdad started broadcasting on 25 February 2000 at 5:00 p.m. with the dedication of the station occurring on March 5. The transmitter is a new one kilowatt solid state Omnitronix made in Italy, but because of the extreme humidity in the rainy season and other problems, the station has only been using between 300 and 500 watts of power. The antenna is a bipolar twelve meters high. The station is on the air from 5:00 a.m. to 7:00 p.m. The hours will be extended when additional personnel can be found. The frequency varies from 4.0475 to 4.0575 with an average of 4.0525.

According to a fact sheet sent with my QSL card, the station has been heard in all continents except Antarctica as well as 19 countries. The sheet lists 13 Departments in Guatemala as reporting hearing the station as well as 4 Canadian provinces and 10 U.S. states. Michigan can now be added to that list.

As yet the station doesn't have any call letters, but according to the station's manager and director, Dr. Edgar Amilicar Madrid Morales, they will be TGAV. TG being the prefix used for stations of Guatemala. He writes, "TGAV, which means: TG = Transmissions of Guatemala; A = Identification of the eastern area of Guatemala; V = our particular identification as 'Radio Verdad!' ('Radio Truth')."

According to Edgar, as he signed his letter to me, "Our station is a non-profit educational

and evangelical effort. We are reaching people with what they need for their economical, social, and religious development." The programs include "Back to Jesus Broadcast," "Rural Development," "Urban Development," "Friends Music," "Let's Learn English," "Science and the Bible," "Family Corner," a counseling program, "Guest Masters of Music," "Let's Learn to Read and Write," "Christian Instrumental Music," a tourist program "Come to Guatemala," and "Friendship Club and Philatelic." The cost of sponsorship of an educational program is \$100 us per month.

Edgar gave some personal information about himself. He is 60 years old, a retired professor of the State University, a graduate of George Fox University in Newberg, Oregon. He has several academic degrees from Guatemala State University and a doctorate in Philosophical Theology from Quaker Theological Seminary. He is pictured at the top of the tower on the station's QSL card. The card has on it a verse from the Bible, John 8:32, "Y conocereis la verdad y la verdad os hara libres," or in English from the Living Bible, "...you will know the truth, and the truth will set you free." He wrote that he had enjoyed electronics and listening to shortwave radio from childhood.

The letter, program schedule, and information sheet from which the details of this article came are in English. The pennant, QSL card, and calendar are in Spanish. The station's address is Radio Verdad, Apartado 5, Chiquimula, Guatemala.

The USA's Shortwave Voice in Spain

The International Broadcasting Bureau's Transmitting Station at Pals

By Bob Padula, Melbourne, Australia

Introduction

The US Government owns and operates several overseas shortwave relays, one of which is located at Playa-de-Pals, in Spain. Pals is a coastal resort, on the extreme north-easterly part of the country some 40 km

south of the French border, in a tourist area known as the Costa Brava. It is about 120 km north of the city of Barcelona, just off the main highway to Marseilles. It has many villas, holiday apartments, guest houses, and hotels, surrounded by pine tree forests, and looks out on the Mediterranean sea. The transmitting station is situated adjacent to the residential areas, right on the beach, at

geographical coordinates 41N59.21, 3E12.06.

The station occupies an area of some 82 acres of unobstructed beachfront property. The facilities there include the Office of Spain manager, Administration, Transmitter Operations, Power Plant, Apartment, Motor Pool, Antenna Maintenance Shop, Carpentry, Paint and Masonry Shops, sundry other minor buildings housing the RF-line switch bay, dummy-load, and water system.

Transmitters

The station operates six transmitters each of 250 kw. Four identically matched units provide excellent flexibility from which to choose various power-output combinations as broadcasting situations require. The station can operate in the following modes:

1. Six single units of 250 kw
2. Four single units operating at 250 kw, and two matched units combined into a single transmitter running at 500 kw
3. Two single units operating at 250 kw, and four matched units combined into two separate transmitters, each operating at 500 kw
4. Two single units operating at 250 kw, and four matching units combined into single unit operating as a super-powered million Watt transmitter.

Output is routed via a computer-driven antenna switch matrix to four groups of curtain arrays of nine antennas. These are situated ideally for first-hop coverage of audiences in the principal population areas of the Community of Independent States, in the adjacent Baltic area, and gratuitous second/third hop coverage of the remainder of the former USSR.

SIS

The Satellite Interconnect System "SIS" delivers the US Government's non-military International radio programs to broadcasting stations worldwide. Overseas stations and affiliates de-multiplex and decode the T1 carriers into individual programs and dis-

tribute these to broadcasting facilities for regional audiences.

The satellite connection system is based on geostationary INTELSAT satellites named AOR and IRO (Atlantic Ocean Region and Indian Ocean Region). These satellites transmit three T1 carries and each one is based on time multiplex (TIMEPLEX).

The main carriers are T1-1 which contain 12 high quality audio channels and 768 kb/s Prague. The main satellite is the AOR and incoming signals are received by the local dish antenna, which are fed through low noise amplifiers. The carriers are in C-band and incoming signals are changed from 4GHz to 70 MHz within a down converter. The modem converts the intermediate frequency of 70 MHz to a high-speed data stream for the multiplexer.

The TIMEPLEX system separates the high-speed data stream into individual program signals. The COMSTRAMS receivers decode the program signals (96 kb/s) into audio output (two channels). The audio outputs are amplified and fed to the patch bay, where they connect to the audio broadcasting systems.

Program feeds:

- T1-1 12 channels
- 768 kb/s Prague 12 channels
- Nodes: NOD-70 and NOD-71

IBB can also distribute audio programming to many stations through telephone dial-up lines as backup.

Antennas

The antenna system consists of HF broadcast antennas with supporting towers and counter-weights, tower lighting, antenna beam control switches, RF transmission lines, and a safety interlock system. Antenna control is either manual or automatic. The antenna PLC receives the commands for the antenna computer and transmits information back to it. The all-antenna PLC system has eight input modules (250 inputs) and three output modules (96 outputs).

Power is routed via a computer-driven antenna switch matrix to four groups of curtain arrays comprising nine antennas, which are designed to operate in adjacent frequency bands. Four of the multiple arrays can operate in duplex mode. All antennas are rated at 250 kw except the D group, which can handle up to 500 kw. Output from eight arrays is variously slewable in the vertical and/or horizontal planes.

The antenna matrix and antenna slew is driven by PKC automation. There are three antenna groups consisting 20 towers and nine antennas:

Group A: two 79 metre towers and one 51 metre tower, in service since 1960, capable of operating on 9, 11, 15 and 17 MHz

Group B: Four 136 metre towers and two 73 metre towers, in service since 1961, capable of 6, 7, 11, and 15 MHz (This is the only antenna group capable of 6 MHz operation)

Group c: Two 79 metre towers and one 561 metre tower, in service since 1961, capable of 9, 11, 15, and 17 MHz

Group D: Four 166 metre towers, two 109 metre towers and two 95 metre towers, in service since 1964, capable of 9, 11, 15, and 17 MHz

Operations

Pals transmits programs of Radio Free Europe, Voice of America and Radio Liberty; it does not broadcast Radio Free Asia services. Output is targeted on azimuths ranging from 41 degrees to 63 degrees, essentially in a north easterly direction from Pals. The station does not have the capability at present of transmitting on the 21 or 26 MHz bands due to antenna limitations, and neither does it work in the new 13 or 18 MHz bands. Daily output (as at the time of the visit in October 2000) comprises programs from:

- VOA: 5.5 hours
- RFE: 3 hours
- RL: 20.5 hours

The station is on the air from 0900-0930, 1000-1300, 1400-0800, and is silent from 0800-0900, 0930-1000, and 1300-1400.

During the local midday period, between 1000-1300, only one transmitter is in use: 1000-1100 Radio Liberty Russian 15115, 1100-1300 Radio Liberty Russian 15205. IBB services to Eastern Europe at that time on lower frequencies are carried by the other IBB stations in Germany (Biblis, Holzkirchen, and Lampertheim). Maximum transmitter usage occurs at 1700-1800, and 1900-2000, with five transmitters on the air simultaneously.

My Visit

I visited the station in October 2000, as an excursion arranged by the Barcelona DX Association, as part of the European DX Council's 2000 Conference, held in Barcelona. Entry to the site is subject to very strict security clearance, with all visitors requiring day-passes and obligated to provide passport numbers and nationality status. The station is under the control of Mr. Valenti Carbonell Cumaleras, Telecommunications Engineer, who gave an interesting presentation of the station's operations and history.

Our party was divided into three subgroups, each being guided by a station technical manager, with ample time being allocated to an inspection of the transmitter halls, halls, alarm systems, antennas, maintenance areas, feeders, the main control room, and the antenna switching computer room. We were also shown inside one off-line transmitter, with particular reference to cooling and ventilation, and safety interlock mechanisms.

Some of the transmitters are quite old, dating back to 1959, being Continental, and General Electric units. There is a newish Continental unit, installed in 1997, which was relocated from Gloria, Portugal.

I was impressed not only by the efficiency of the facility, but also at the compliance with safety standards and maintenance procedures, and the professionalism and skills of the technical staff. Housekeeping was first class, and carrier frequency deviation on all

transmitters is maintained to within 10 Hertz. The station is an unusual mix of old and new technology, with some of the equipment being 40 years old, adjacent to 21st century hi-tech computerised switching gear, satellite antennas/links, and state-of-the-art transmitter monitoring and control facilities. Digital frequency readout displays are rack-mounted on the newer transmitters, and other indicators reveal various parameters such as modulation depth and swing, antenna current, RF antenna input power, and overall power consumption.

The master control room contains rack-mounted low noise amplifiers and demultiplexing equipment. The main transmitting hall has large multi-coloured, wall mounted illuminated maps of Europe and North Africa, showing coverage of the various antenna lobes.

Environmental Issues

I asked about the siting of the station so close to a residential area and was told that the local community "tolerates it"! As far as I know there have been no environmental complaints about radio frequency radiation. However, about 1 km to the north-east is an "optional dress" camping area and beach, which I understand is very popular during the height of summer, and which is easily visible from some of the towers!

The Pals station clearly serves a vital role in the global network of IBB facilities, providing coverage into the former USSR area, and with six high powered transmitters, it obviously is regarded by the US Government as a strategically important and crucial mission. It remains to be seen whether this facility will continue to be permitted by the Spanish Government.

Thanks

Special thanks to the Barcelona DX Association for their excellent work in arranging the tour, and to the station's staff for taking time off from their normal duties to host a group of 40 visitors around this interesting broadcasting facility. Furthermore, there were

no security restrictions on what we could photograph, whether digital, video, or conventional.

Additional acknowledgments to Mr. Valenti Carbonell Cumuleras (Manager, Spain Station), and to Mr. Arto Mujunen (Manager, IBB Monitoring, Helsinki, Finland) for their help in making available the technical data used in this article.

Good listening to Pals!

Appendix

Languages broadcast by the Pals station are as follows:

Albanian(VOA)

Belorussian (RL)

English(VOA)

Kazakh (RL)

Latvian (RFE)

Lithuanian (RFE)

Russian (RL)

Serbo-Croatian (RFE)

Tajik (RL)

Tatar-Bashkir (RL)

Turkmen (RL)

Ukrainian (RL)

Ukrainian(VOA)

Uzbek (RL)

Operational Schedule. The current operational schedule for the Pals station can be downloaded from the IBB's Frequency Management Database System, (FMDS), accessed at http://sds.his.com:4000/fmfs_w/index.html



Equipment Reviews

Alan Johnson • 2490 Sharon Way • Reno, NV 89509 • alanjohnson@gbis.com

No equipment to review this time, so instead, books about equipment....

Listener's Library

Grundig Satellit—All Models In Word And Picture

By Thomas Baier

126 pages

\$19.95

Universal Radio

6830 Americana Pkwy.

Reynoldsburg OH 43068-4113

1-800-431-3939

This book is a labor of love regarding what is widely regarded as the premium portable shortwave radio, especially for the quality of its audio reproduction. The German author was assisted with technical consultation provided by Gerhard Weber, a Grundig engineer. The book details each of the Satellit models produced since the line's introduction in 1964. Each model is covered with a page of physical and electrical specifications, followed by a page of narrative regarding the advances incorporated in each model. This is followed by several pages of photographs of each model, including finish variations.

The book is divided into two sections—the first covers the Satellit models with analog dials, the 210 to the 650 models (many of which had drum bandspread tuning similar to the Zenith Trans-Oceanics) and the last section covers the digital-only display models, including the yet-to-be-produced Satellit 900. At the back of the book there are a chronology of model production, a list of variants and information on the antenna type used with each model. Scattered throughout the book are dial stringing diagrams.

The photographs are generally of high quality and are quite useful for indentifying the various models. The translation from German to English is a bit rough in spots, but is more amusing than annoying. This book is a

must have for anyone who collects Grundig radios and will be of interest to anyone who collects radios in general. It's made me want to keep my eyes open for one of these radios at yardsales, auctions, etc.

Communications Receivers DSP, Software Radios And Design

By Ulrich Rohde and Jerry Whitaker

ISBN 0-07-136121-9

712 pages

\$74.95

2001, McGraw-Hill

This is the third edition of what I consider to be the Bible of communication receiver design and performance. The first author is a partner in the firm of Rohde & Schwarz, the legendary German receiver and test equipment manufacturer. This updated version adds information on emerging digital technologies as applied to receivers but retains fundamental receiver design.

Chapter titles include basic radio considerations, receiver characteristics, receiver system planning, antennas and antenna coupling, amplifiers and gain control, mixers, frequency control and oscillators, demodulation, ancillary circuits and receiver design trends. Digital techniques are discussed where applicable throughout the book. There is a fair amount of math, but the text also clearly explains the functions described by the equations. References and suggested additional reading are given at the end of each chapter.

Even if you have no desire to design your own receiver, this book is great to assist those technically-inclined listeners who want to know just what is happening behind the front panel of their radios. The sections on receiver performance are good for those who want to be able interpret receiver specifications. The book is quite pricey, so you may want to try getting a copy from your library through inter-library loan, if you don't need it on the shelf as a reference source.

A Family Affair—The R. L. Drake Story

By John Loughmiller, KB9AT

289 pages

2000, \$29.95

Universal Radio

6830 Americana Pkwy.

Reynoldsburg OH 43068-4113

1-800-431-3939

Although the R. L. Drake Company is still producing outstanding shortwave receivers, their radio product line is but a pale shadow of what it was when Drake produced some of the most popular ham radio equipment around. *A Family Affair* covers the inside details of the rise, transformation and demise of the amateur radio arm of the company.

This is really two books in one—the first 101 pages cover the history of the R. L. Drake company and the latter portion of the book is a technical section covering modification, repair and improvement of the various Drake amateur products. The portion on the his-

A Family Affair

The R.L. Drake Story



By John Loughmiller, KB9AT

tory of the company is relatively evenly divided between the time before and after the death in 1975 of Robert Drake, Sr., the founder of the company. The first portion of this section covers the well known amateur products of the "1", "2" and "4" lines, including excellent photographs of the vari-

ous products. The discussion of the 1-A receiver and its groundbreaking design philosophy is quite interesting. Emphasis is primarily on the ham radio products, not the shortwave receivers such as the SW-4A and SPR-4. The second half of the history section details the design and production of the TR-7 transceiver, which was the digital, all solid-state transceiver with which the company hoped to reinvigorate itself following Robert Drake's death. This section has more information on the personalities of the designers involved as well as the intricacies of the design process itself.

The second half of the book is a compendium of fixes and modifications for the "4" line and TR-7, many by Bill Frost, who was head of Drake's service department for many years. Again this section is primarily directed towards the ham, with no mention of the SW-4A or SPR-4. There is, however, extensive coverage of the R-4B and R-4C, including a discussion of their relative merits (the R-4B wins since it includes items that were optional with the "C") and the various circuit changes that occurred over the life of the "C" line. Both of these receivers can be used for SWling, with the appropriate crystals to expand their frequency coverage. There is an extensive section on the care and feeding of the TR-7.

In two appendices in the back of the book are a 1977 full line catalog reproduction as well photos of the shacks of twenty Drake collectors. In the foreword by Fred Osterman, of Universal Radio, the fact that the Drake receivers provided frequency readout to one kilohertz at an economical price will bring pangs of nostalgia to those of us hobbyists who started SWling before the advent of digital receivers. Just like Fred, I also lusted after a SPR-4!

The book is probably not a good value for those who have only a casual interest in the history of the R. L. Drake Company. However, for those interested in collecting, restoring and using Drake ham products, the book is priceless due to the extensive technical section. Hopefully, if there is a second edition it will include expanded coverage of the Drake shortwave receivers. 

Listener's Notebook

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

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ANTARCTIC 15476, **LRA36 Radio Nacional Arcangel San Gabriel**, no trace of the station on the freq. I talk with my contact on Jan 12 to Base Esperanza, and he inform me that from the first days Jan 2001 the stn is out of the air, because the change of the endowment and LRA36 will resume its transmissions after Jan 20 with the new endowment at Base Esperanza. (GIB-Argentina)

ARGENTINA 6440 **Radio Luz del Mundo**, discovered by Carlos Buscaglia & reported by Nicolas Eramo & Horacio Nigro). I spoke on Feb 20 to the station owner, Mr. Jorge Antonio Daniel who inform me that they are a Christian station broadcasting on short-wave for around 4 months, on the air daily 1000-0500, with 50 watts AM mode. They also claim to be on 3220, but no trace there. Address: Catamarca 2560, 1847-Rafael Calzada (BA), Argentina; owner promises to answer reports. (Barrera-ARG)

More detective work: checking a later published "Conexion-GRP" (#132, Set-Oct 2000) it is reported by DXer Cornachioni, that R. Luz del Mundo has changed freq from MW 1600 to 1130, and lists its QTH as: Catamarca 2560, 1849 Claypole (the number is the zip code, and not 1847 Rafael Calzada). Maybe they are using the former 1600 xter, as a harmonic generator to make them fall onto the SW's, and moreover it appears that they are not exactly transmitting on that freq since 3220 divided by two equals: 1610. I couldn't hear the "R. Milenio" as got by DXers Buscaglia and Eramo, but positively got Luz del Mundo, at the end of the ID. (Nigro Feb 15/ Cumbre DX/Johnson)

11709.98, **RAE**, 1900+ Jan 10, INT-SIG, It pgm, in// to 15344.88 at this time, w/argentine news. On this days, at 1900-2000 IT & 2000-2100 GM, the stn is with both freq. in //. (GIB-Argentina)

15820L, **La Red**, 1240-1301 Jan 11, ID, comments, // 910 MW. On USB mode, not a relay of stn hrd, but a continuous communications traffic between military personal and its homes & families, through phone contacts via LTA (hrd ID as Lima Tango Alfa some times) station located in the military Command of the Army, here in Buenos Aires. This confirm again about the origin of this argentine feeder relaying some MW stns of Buenos Aires city on SW in LSB/USB mode. (GIB-Argentina)

AUSTRALIA Radio Australia relays from Jan 29 are as follows:

9730	Kranji-SNG	2300-2330	Khmere
11550	Taipei-TWN	2130-2330	Indonesian
11550	Taipei-TWN	0800-0830	Indonesian
11745	Taipei-TWN	0500-0530	Indonesian
15240	Taipei-TWN	2200-2330	English
15110	Taipei-TWN	2330-0030	Vietnamese
15240	Taipei-TWN	0800-1130	English
15435	Kranji-SNG	1400-1530	Mandarin
17865	Kranji-SNG	0500-0530	Khmere
21615	Tinian-MRA	0000-0030	Indonesian
21785	Tinian-MRA	0400-0430	Indonesian

(Bob Padula-Vic-AUS, edxp, Jan 27 + Dan Ferguson-VA-USA, K4VOA, edxp Jan 29/BCDX/Bueschel-GER)

AZERBAIJAN 9155 Anker Petersen tells me about this one—Azerbaijan is heard here most mornings 0830-1030 in Azerbaijani and 1030-1100* in Ar, so it is—at least partly FS. Nothing is heard 0315-0400. ID "Danishir Baku" in Azerbaijani at 0900 (or after mx so rather 0903). I've tuned around there mornings but missed it so far. (Noel R. Green-UK, Feb 8/BCDX/Bueschel-GER)

BELARUS Shortwave transmitters there: Minsk, 250 kW

0200-0400	6070 (summer), 5970 (winter), intl b/cing
0400-0600	11960 (summer), 7170 (winter), 1st prgm
1000-1200	11960 (1st prgm)
1600-1800	7105 (summer), 7275 (winter), 1st prgm; and
2000-2200	7105 (intl b/cing)

Minsk 100 kW

0400-2300	6080 (1st prgm)
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Minsk 75 kW

0400-2300	6115 (intl b/cing)
0200-0400	7210 (intl b/cing)
0400-2000	7210 (1st prgm); and
2000-2200	7210 (intl b/cing)

Brest 5 kW

0400-2300	6010 (1st prgm)
0400-2300	6070 (1st prgm); and
0500-2200	7265 (2nd prgm)

Grodno 5 kW 0400-2300, 1st prgm, 0440-0500 & 1600-1640 Mon-Sat, local prgm, 6040; and 0400-2300, 1st prgm, 0440-0500 & 1600-1640 Mon-Sat, local prgm, 7110

Mogilev 5 kW 0400-2300, 1st prgm, 0440-0500 & 1600-1640 Mon-Sat, local prgm, 6190; and 0400-2300, 1st prgm, 0440-0500 & 1600-1640 Mon-Sat, local prgm, 7145. Note: 1st prgm also relays R/S "Stolitsa;" 2nd prgm also relays R/S "Mayak."
(Rudnev-RUS, RUS-DX/BCDX/Bueschel-GER)

BHUTAN v6034.85 *Radio Bhutan*: They are in an unstable freq situation. On Jan 25 hrd carrier at 0055 beating with VOA on 6035. VOA 0059.45*, then Bhutan very clear with s-on melody on 6035.4. In the evening at 1130 to past 1230 I checked and found Bhutan on v6034.85.

So let me monitor this a few more days and see if this is a morning-evening difference or a case of drift. They are not on at these times on weekends. I remember a year or two back they would suddenly drop down to 5028 from 5030 and then we found it was their old transmitter being used while the 50 kW unit was under repair. Evening signals are rather week. I wish they would go back to a less crowded 60 mb than getting on 6 MHz; or go out-of-band like Zambia-6265. (Victor Goonetilleke-CLN 457VK UADX, NU Jan 28/BCDX/Bueschel-GER)

BOLIVIA 3310.0, *Radio Mosoj Chaski*, 0924-0945 Jan 11, messages, talks by M & F in Quechua, ID at 0936. (GIB-Argentina)

4716.8 *Radio Yura*, Yura, Dto Potosi, 0030-0100, Feb 07, Spanish, Musical Program continuous music without of announcements (Andean Music and Cumbias) at 0100 man announcer ID and to "nueva de la noche en punto amigo de Radio Yura" (Eramo-ARG)

5580.28, *Radio San Jose*, 0149-0213 Jan 9, Sp prgm, w/very old music from Nicola Di Bari, Salvatore Adamo, etc. ID at 0202, prgm w/very bad audio quality when talks the annr. (GIB-Argentina)

5952.46, *Radio Pio XII*, 0132-0147 Jan 9, prgm w/bolivian huaynos & Bandas mx, talks in Quechua, (GIB-Argentina)

6155.03, *Radio Fides*, 0024-0106 Jan 7, lot of Rafaga mx, also at 0035 saya music by Los Kjarkas, andean mx. (GIB-Argentina)

9717.35, *Radio La Plata*, 1701-1719 Jan 10, SP prgm, news, ID at 1706 by F annr as "Radio La Plata...", at 1711 international news in Sp from Voice of America, 1719 continue the own prgm. (GIB-Argentina)

CAMBODIA Ext service on 11940 is still inactive! No signals from CBG heard at former scheduled times 0000-0115 and 1200-1315. (Volk-THA, Feb 1/BCDX/Bueschel-GER)

CHILE Today, no trace of *Radio Santa Maria* (6029.6) blocked by Radio Marti and no trace of *Radio Patagonia Chilena* (6080v) & total inactivity of *Radio Triunfal Evangelica* (5824.8) inactive from some years. *Radio Esperanza* (6090) blocked by Radio Bandeirantes (B) on same freq during day, local times. (GIB-Argentina)

CHINA *China National Radio 1/Central People's Broadcasting Station (CPBS)*

First Program identification in Mandarin: "Zhongyang Renmin guangbo diantaidi-yi tao jiemu."

0000-0030	Mandarin	5880 5995 6030 6110 6125 6750 7230 7995 9645 9675 9830 9845 10260 11925 11990 12030 15480 15550
0030-0100	Mandarin	5880 5995 6030 6110 6125 6750 7230 7995 9645 9675 9845 11925 12030 15480 15550 17605 17890
0100-0130	Mandarin	6030 7230 7995 9645 9675 11925 11960 12030 15480 15550 17550 17565 17580 17605 17890
0130-0200	Mandarin	6030 7230 9645 9675 11925 11960 12030 15480 15550 17550 17565 17580 17605 17890
0200-0300	Mandarin	6030 7230 9645 9675 11925 11960 12030 15300 15390 15480 15550 17550 17565 17580 17605 17890
0300-0600	Mandarin	6030 7230 9645 9675 11960 12030 15300 15390 15480 15550 17550 17565 17580 17605 17890
0600-0900	Mandarin	6030 7230 9645 9675 10260 11630 11960 12030 15300 15390 15480 15550 17550 17565 17580 17605 17890 We-Mo
0900-0930	Mandarin	6030 7230 9645 9675 10260 11630 11960 12030 15300 15390 15480 15550 17550 17565 17580 17605 17890
0930-1030	Mandarin	6030 6110 7230 9645 9675 10260 11630 12030 15300 15390 15480 15550 17550 17565 17580 17605 17890
1030-1100	Mandarin	4460 6030 6110 7230 7995 9675 9830 10260 11630 12030 15300 15390 15480 15550 17550 17565 17580 17605 17890

1100-1130	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7345 7995 9830 10260 11630 12030 13610 15300 15390 15480 17550 17565 17580 17605 17890	<i>China National Radio 2/Central People's Broadcasting Station (CPBS) Second Program</i> identification in Mandarin: "Zhongyang Renmin guang- bo diantai di-er tao jiemu." 0000-0030	Mandarin	7200 9500 9625 9775 9810 11610 11660 11670 11800 15500 15540 17625
1130-1200	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7345 7995 9830 9845 10260 11630 12030 13610 15300 15390 15480 17605 17890	0030-0100	Mandarin	7200 9500 9625 9810 11610 11660 11670 11800 15500 15540 17625
1200-1230	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7290 7345 7995 9830 9845 10260 11630 12030 13610 15300 15390 15480 17605	0100-0230	Mandarin	7200 9500 9625 9810 11610 11660 11670 11800 12080 15500 15540 17625
1230-1300	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7290 7345 7995 9830 9845 10260 11630 12030 13610 15300 17605	0230-0300	Mandarin	7200 9500 9625 9810 11610 11660 11670 11800 12080 15500 15540 15570 17625
1300-1330	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7290 7345 7995 9830 9845 12030 13610 15300 17605	0300-0600	Mandarin	7200 9500 9625 9810 11610 11660 11670 11740 11800 12080 15500 15540 15570 17625
1330-1400	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7290 7345 7995 9830 9845 11990 12030 13610 15300	0600-0955	Mandarin	7200 9500 9625 9810 11610 11660 11670 11740 11800 12080 15500 15540 15570 17625
1400-1500	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7250 7290 7345 7995 9830 9845 11990 13610 15300	0955-1602	Mandarin	7200 9500 9625 9810 11610 11660 11670 11740 11800 12080 15500 15540 15570 17625
1500-1730	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7250 7290 7345 7995 9830 9845 11990 13610	2100-2300	Mandarin	7140 7200 9500 9625 9745 9775 11730
2000-2230	Mandarin	4460 5030 5320 5880 5995 6030 6110 6125 6295 6750 7230 7250 7290 7345 7995 9830 9845 10260 11990	2300-2330	Mandarin	7140 7200 9500 9625 9745 9775 11660 11670 11800 15540
2230-2300	Mandarin	4460 5320 5880 5955 6030 6110 6125 6295 6750 7230 7250 7290 7345 7995 9830 9845 10260 11990	2330-2400	Mandarin	7200 9500 9625 9745 9775 9810 11610 11660 11670 11800 15540
2300-2330	Mandarin	4460 5880 5955 6030 6110 6125 6295 6750 7230 7290 7345 7995 9830 9845 10260 11925 11990	China National Radio 8 - National Minorities Service		
2330-2400	Mandarin	4460 5880 5955 6030 6110 6125 6750 7230 7290 7995 9675 9830 9845 10260 11925 11990 12030 15480 15550	0000-0100	Uighur	9655 9890 10260 11630 11780 11915 15670
			0100-0200	Kazakh	9890 10260 11630 11780 11915 15405 15670
			0200-0300	Korean	7120 9610
			0300-0400	Mongolian	7210 7270 9610 9750 11815
			0400-0500	Tibetan	9500 11740 11780 11835 12080 15570 15670
			0500-0600	Kazakh	10260 11630 11780 11915 15390 15670 17580
			0600-0700	Uighur	11780 15670 Tu
			0600-0700	Uighur	10260 11630 11780 11915 15390 15670 17580 We-Mo
			0700-0800	Mongolian	9610 11815
			0800-0900	Tibetan	11780 11835 15670 We/Fr
			0800-0900	Tibetan	9500 11740 11780 11835 12080 15570 15670 Mo/Th/ Sa/Su
			0800-0900	Tibetan	9500 11740 11780 12080 15570 15670 Tu
			0900-1000	Kazakh	10260 11630 11780 11915 15390 15670 17580

1000-1100	Korean	7120 9610
1100-1200	Uighur	5800 9610 9820 10260 11630 11780 15390 17580
1200-1300	Mongolian	4190 5420
1300-1400	Tibetan	7120 7275 9610 9635 11740 12080 13625
1400-1500	Kazakh	5440 7120 7935 9610 9820 9890 10260 11630
1500-1600	Uighur	7120 7935 9610 9820 9890 10260 11630
1600-1700	Mongolian	5060 7120 7935 9610 9820 9890 10260 11630 11925
2100-2200	Korean	4190 5420
2200-2300	Mongolian	4190 5420
2300-2400	Tibetan	7275 7550 9500 11710 11780 12080 15670

China National Radio Taiwan Service 1

Station identification in Mandarin for both services: "Zhongyang Renmin Guangbo Diantai Xianzai Kaishi Dui Taiwan Guangbo" ("This is the Central People's Broadcasting Station. We now begin our broadcast to Taiwan"). First Program: "Di Yi Tao Jiemu" ("This is the First Program")

0055-0300	Mandarin	11100 11935 15710
0300-0330	Amoy	11100 11935 15710
0330-0400	Hakka	11100 11935 15710
0330-0615	Mandarin	11100 11935 15710
0955-1100	Mandarin	5090 7567 7620 9380 11160
1100-1130	Amoy	5090 7567 7620 9380 11160
1130-1530	Mandarin	5090 7567 7620 9380 11160
1530-1600	Amoy	5090 7567 7620 9380 11160
1600-1700	Mandarin	5090 7567 7620 9380 11160
1700-1730	Hakka	5090 7567 7620 9380 11160
1730-0005	Mandarin	5090 7567 7620 9380 11160

China National Radio Taiwan Service 2

This service is may also be referred to as China National Radio 6th program (CNR6). Station identification in Mandarin for both services: "Zhongyang Renmin Guangbo Diantai Xianzai Kaishi Dui Taiwan Guangbo" ("This is the Central People's Broadcasting Station. We now begin our broadcast to Taiwan"). Second Program: "Di Er Tao Jiemu" ("This is the Second Program").

0030-0105	Mandarin	6790 9170
0000-0030	Hakka	6790 9170
1230-1300	Mandarin	9170 15880
1300-1330	Amoy	6790 9170 11000 15880
1330-1400	Hakka	6790 9170 11000 15880
1400-1805	Mandarin	6790 9170 11000 15880
2055-2400	Mandarin	6790 9170 11000 15880
2230-2300	Amoy	6790 9170 11000 15880
2300-2400	Mandarin	6790 9170 11000 15880

Voice of the Strait, which until March 1984 called itself the People's Liberation Army's Fujian Front radio station, broadcasts from Fuzhou for lis-

teners in the Offshore Islands and Taiwan. Formerly two services (First and Second Program) Voice of the Strait reduced its broadcasting hours and restructured its output in January 1999. Identification in Mandarin: "Haixia Zhi Sheng Guangbo Diantai."

0755-1020	Mandarin	6115 7280 9505
1020-1100	Amoy	6115 7280
1100-1430	Mandarin	6115 7280 9505
1430-1520	Mandarin	4900 5050 6115
1520-1600	Amoy	4900 5050 6115
1600-1800	Mandarin	4900 5050 6115
2055-2220	Mandarin	3900 4900 5050 6115 7280 9505
2220-2300	Amoy	3900 4900 5050 6115 7280 9505
2300-0100	Mandarin	6115 7280

(BBCM)

4000 **Nei Menggu PBS** changed sign off time from past 1500 to 1600. First noted on 22 January. (Yamada-JPN)

v5969.6 **Gannan**, Hezeu, is active around 1120-1300*. (Roland Schulze-PHL, Jan 21/BCDX/Bueschel-GER)

CHINA-TAIWAN CBS News Network/Central Broadcasting System

Station identification "Taipei Guozhi Zhesheng"		
0000-0100	Mandarin	7150 9610 9630 15125
0100-0200	Mandarin	7150 9610 9630
0200-0300	Mandarin	7150 9610
0300-0400	Mandarin	6040 7150 9610
0400-0500	Mandarin	6040 7105 9610 11725
0500-0900	Mandarin	7105 9610 11725
0900-1100	Mandarin	6040 6085 7105 7150 9610 9630 11725
1100-1600	Mandarin	6040 7105 7150 9610 9630 11725
1600-1800	Mandarin	6040 7105 7150 9610 9630
1800-2100	Mandarin	6040 7105 7150 9610
2100-2200	Mandarin	6040 7105 7150 9610 9630
2200-2300	Mandarin	6040 7105 7150 9610 9630 11725 11860 15125
2300-2400	Mandarin	7105 7150 9610 9630 11725 11860 15125

(BBCM)

CBS Variety Network/Central Broadcasting System (CBS),

0000-0100	Mandarin	3335 11840
0100-0200	Mandarin	3335 9280 11840
0200-0400	Mandarin	9280 11840 11970
0400-0500	Mandarin	6180 9280 11775 11970
0500-0600	Mandarin	6180 11775 11970
0600-0700	Mandarin	6180 11775 11970
0700-0800	Mandarin	3335 6180 11970

0800-0900	Mandarin	3335 6180 11840 11970 15125
0900-1000	Mandarin	3335 6180 11840 11970 15125
1000-1100	Mandarin	3335 6180 11775
1100-1400	Mandarin	3335 6085 6180 11775 11840
1400-1500	Mandarin	6085 6180 11775 11840
1500-1600	Mandarin	6085 6180 11775 11840 15125
1600-1700	Mandarin	6085 6180 11775 11840 15125
1700-1800	Mandarin	6085 6180 11775 11840
1800-1900	Mandarin	6085 6180
1900-2100	Mandarin	6085 6180
2100-2200	Mandarin	3335 6085 6180
2200-2300	Mandarin	3335 6085 6180 11745
2300-2400	Mandarin	3335 6085 6180

The CBS's NF of 6280 is now noted: 1400-1500 CBS Chinese dialects, 1500-1600 Family Radio Mandarin, 1600-1700* Family Radio English, Jan-26. (Craig Tyson-AUS, edxp Jan 27/BCDX/Bueschel-GER) This channel also audible s-on 2100 in Sp, and from fade-in 0930 in Chinese dialects, Jan 26. (Bob Padula-Vic-AUS, edxp Jan 27/BCDX/Bueschel-GER)

Voice of Asia

0300-0700	Mandarin	7285
0700-1100	Mandarin	9280
1100-1200	English	7445
1100-1300	Mandarin	15125
1200-1300	Indonesian	7445 11860
1300-1500	Mandarin	7445
1400-1500	Thai	7445 15270
1500-1600	Thai	7445 15270
1600-1700	Indonesian	7445 11745
2300-2400	Thai	7445 15270

(BBCM)

Radio Vancouver International (RVI) on short-wave via Radio Taipei International, Sundays only from 1200-1400 on 9735 USB. They are using a 30 kW ex utility transmitter from a site just outside Taipei. All programming is in English. News from Vancouver is at 1200-1210 and 1300-1310. The Happy Station, hosted by Keith, rounds out the first hour. 1310-1330 is a program of the week's top Cantonese songs in Vancouver, hosted by a CHMB announcer. 1330-1400 is a world beat show hosted by Keith. The audience is for Hong Kong Chinese, many of whom have families in Vancouver. Reception is a bit difficult in some of the concrete apartment blocks in Hong Kong, but is a bit better outside the city. (Harvey-CAN/DXLD/Hauser/Johnson Feb 19/Cumbre DX)

CLANDESTINE—AFRICA Radio Baydhabo was first heard by BBCM in January 2001. It broadcasts

in support of the Rahanwein Resistance Army (RRA). It identifies in the Somali Rahanwein dialect as "Radio Baydhabo, odka ururka RRA" (Radio Baydhabo, Voice of the RRA).
1600-1800 Somali 6806v
(BBCM)

CLANDESTINE—ASIA Per QSL letter from **Voice of Jammu and Kashmir Freedom Movement**, sked is:

0230-0400	5985
0745-0845	7230
1300-1430	5100

Mailing address is Post Box No.102, Muzaffarabad (Azad Kashmir), Pakistan. (Yamada-JPN/Hard Core DX)

15455 **Voice of Justice** (phonetically in Cambodian, "Samleung Yutethoa"), a b/c of the opposition Sam Rainsy Party, began a one-hr. SW b/c on Feb 17, 1000-1100 UTC. The transmitter "is located in a democratic country not very far from Cambodia." Reports to 49, Street 214, Phnom Penh, Cambodia. (Clandestine Radio Watch; also Terry-UK, BDXC-UK and RNMN Media Newsdesk/BCDX/Bueschel-GER) The site COULD be Almaty, but that's only a wild guess. The program and transmission went off abruptly in mid sentence at 1047. Two minutes later Almaty signed on on 15695 for RFA Lao. The early s/off seems to indicate that the provider needed this transmitter on another frequency from 1100. (Olle Alm-SWE, Feb 17/BCDX/Bueschel-GER)

Frequency changes of **Voice of Tibet** in Tibetan and Mandarin Chinese:

1212-1300	15595 via Dushanbe, 15705 via Almaty
2312-2400	7195 (x7180) via Dushanbe

(Ivanov & Datzinov-BUL, Jan 15/BC-DX/Bueschel-GER)

CLANDESTINE—LATIN AMERICA Voz de la Resistencia (Voice of the Resistance), broadcasts in support of the Revolutionary Armed Forces of Colombia (FARC), hostile to the Colombian government. It announces that it broadcasts from the mountains of eastern Colombia. The radio was first heard in March 1988.

1130-1230	Spanish 6234v
2130-2230	Spanish 6234v

(BBCM)

CLANDESTINE—MIDEAST Radio Bopeshawa broadcasts in support of the Worker-Communist Party of Iraq from Arbil in Iraqi Kurdistan Bopeshawa (meaning "Forward") is also the name of the party's

newspaper Translated Name: Radio Forward
1500-1600 Arabic 9450 Mo/We/Fr
1500-1600 Kurdish 9450 Th
(BBCM)

Radio Iran of Tomorrow. One change—Radio Iran of Tomorrow is now on 5830 from 1800-1830 daily and this is what their website has. It is also easily heard. (Henderson-USA, CRW Jan 15/BCDX/Bueschel-GER)

7480 **Radio Sedaye Iran** via Dushanbe, has a new address for those seeking QSLs: KRSI, 9744 Wilshire Blvd (Suite 207), Beverly Hills, CA 90212, U.S.A. Their old address (PWBR-2000) was in Santa Monica, but has been invalid for the past six months. (Dan Henderson-MD-USA, NU Jan 21/BCDX/Bueschel-GER)

3985 **Voice of Iranian Kurdistan** 0339 Arabic-style music, ID "Sawt al Kurdistan Iranian" @ 0354 (Brandi-NJ February 16)

Voice of Iraqi Kurdistan in Kurdish and Ar noted on Jan 21-23: 0300-0800 on NF 5860.0 (x7390, re-ex7375) // 4085.0. (Ivanov and Datzinov, Jan 23/BCDX/Bueschel-GER)

3880.7v **Voice of the Communist Party of Iran**, 1655, musical bridge IS, Internationale, ID and talks in presumed Farsi interspersed with short musical bridges and longer pieces of local mx. Drifted to v3880.6 by 1711, then jumped to v3890.9, drifted to v3890.6 1743, then jumped to 3895.1, ID and off 1800 when on 3895.0. (Mike Barraclough-UK, DXLD Jan 11/BC-DX/Bueschel-GER)

Voice of the People of Kurdistan (Kurdish: "aira dangi gelli kurdistana," Arabic: "sawt sha'b kurdistan") is the official radio station of the Patriotic Union of Kurdistan (PUK) led by Jalal Talabani. It broadcasts from Al-Sulaymaniyah in Iraqi Kurdistan. Languages: Sorani, Kurdish and Arabic

0300-0700 Multilingual 4060 6995
1345-2100 Multilingual 4060 6995

(BBCM) 4060.5 Voice of the People of Kurdistan, Sulaymaniyah, 0355 music, ID, talk in presumed Kurdish; lotsa crud on fq. (Brandi-NJ February 17)

COLOMBIA v3751.26 Colombian, which I have had as a unID for a long time. Identifies as "Ondas de..." + one word ending with "...al." Could be a harmonic from MW 1250 (3 x 1250.42) where "La Voz de Corozal," Corozal is listed. (Balm in Ecuador, via Nilson via Cumbre Jan 28/BCDX/Bueschel-GER)

CONGO—DEMOCRATIC REPUBLIC 5066.3 political monologue at 1630 in French by male. Into music at 1656 and at 1659 male id sounding pretty

much like "Radio Soleil." Sign-off at 1700 after some drumming. Has anyone got a clear id from this one, is it La Voix du Peuple, Radio Candip or Radio Soleil or maybe something different? (Savolainen-FIN/Hard Core DX, Feb 14)

6828.4v Bunia (p) 2001 at 1815 African mx and talks in local lang, many items about Congo and Rwanda. At recheck 1909 still there but weaker, now in French. Too weak for any positive id. This has been logged as Bunia, Congo (ZAI) operated by RCD rebels. Nothing heard on the old Bunia freqs V5066 and 3390. (Jari Savolainen-FIN, hcdx Jan 10/BCDX/Bueschel-GER)

ERITREA Radio UNMEE/United Nations Mission in Eritrea and Ethiopia This service, operated by the United Nations Mission in Eritrea and Ethiopia (UNMEE) was inaugurated on 16 January 200. It broadcasts via the transmitters of the Eritrean state broadcaster Voice of the Broad Masses of Eritrea. Radio UNMEE plans to broadcast a similar program via Radio Ethiopia. Languages: English, Tigrinya, Tigre and Arabic

0700-0800 Multilingual 7100 7175 We
1030-1130 Multilingual 7100 Tu
1100-1200 Multilingual 7175 Tu

(BBCM)

GEORGIA Abkhaz Radio can be heard in Russian daily 1400-1430 and on Suns 1100-1200. A mixed progr in Abkhaz, Ru and Georgian is broadcast weekdays 0400-0500 and Sats 1430-1600, all on 9489.8. Other times, this freq carries relays of Radio Rossii, Radio Sochi and the Kuban State TV and Radio Company, apparently from Krasnodar. (VoRUS, Feb 9 via BBCM via DXLD/BCDX/Bueschel-GER)

Radio Georgia, 11805.3v, heard daily in Dec 00, from 0630 English, 0700 German to 0729*; vy strong 25/12, but not heard since; is xmtr off the air? (Behr-ON, Feb 14/DX Listening Digest/Hauser-OK)

GERMANY On Dec 2nd the non-commercial local radio station "**Hamburger Lokalradio**" started a weekly shortwave broadcast, which will go on the air "during the following months" every Saturday 1000-1100 on 6045 via the Deutsche Telekom transmitter site in Juelich. e-mail <redaktion@hamburger-lokalradio.de> Website is <http://www.hamburger-lokalradio.de> (Kai Ludwig-D) (Mike Barraclough-UK, in WDXC January "Contact"/BCDX/Bueschel-GER)

Evangeliumsradio Hamburg (not to be confused with Evangeliumsroundfunk Wetzlar, the German TWR branch): From Jan 10 addit transmission on Weds 1830-1859 on 6015 (nondir). (WB, on re-

quest of Dan Henderson-MD-USA, Jan 20/BCDX/
Bueschel-GER)

GREECE *Voice of Greece* in Greek:

0000-0350 NF 5895, NF 12105 (x5890 9375) //
7455, 7475
0400-0550 NF 7455 (x7457.0)
1100-1150 15630 only, 9420 is deleted
1300-1350 15650 only, 12105 is deleted
1700-1800 NF 7455 (x15630) // 9420
1800-1900 NF 7455 (x 7457) // 9420
1900-2050 NF 7475 (x 9420) // 7455
2300-2350 NF 5895 (x12105) // 7455, 15650
(but annd 15630)

ERA—Interprogram "Orientations" in various
langs:

1400-1430 Arabic 15650 only, 12105 is deleted
1430-1500 German 15650 only, 12105 is deleted
1500-1530 Russian 15650 only, 12105 is deleted
1530-1600 Spanish 15650 only, 12105 is deleted
1600-1630 Romanian 15650 only, 12105 is deleted
1630-1700 Turkish 15650 only, 12105 is deleted
1700-1730 Serbian 11645 only, 9375 is deleted
1730-1800 Bulgarian 11645 only, 9375 is deleted
1800-1830 Albanian 11645 only, 9375 is deleted
1830-1900 French 11645 only, 9375 is deleted
1900-1930 Polish 9375 only, 7475 is deleted
1930-2000 English 9375 only, 7475 is deleted

(Ivanov and Datzinov-BUL, Jan 23 & 30/BCDX/Bue-
schel-GER)

GUAM *Trans World Radio - Guam KTWR*

0730-0915 English 15200 Sa/Su
0740-0915 English 15200 Mo-Fr
0800-0930 English 15330
0915-0930 Balinese 11985 Mo/Tu/Fr/Sa/Su
0915-0930 Torajanese 11985 We/Th
0915-0930 Madurese 15200
0915-0930 Mandarin 9540 15235
0915-1100 Indonesian 15200
0930-1000 Pidgin 15330 Mo-Fr
0930-1030 Mandarin 9540 9865 15235
1030-1100 Mandarin 9865 9910 15235
1100-1230 Indonesian 15195
1100-1200 Mandarin 9910 15510
1115-1200 Vietnamese 9430
1200-1300 Javanese 11665
1200-1300 Japanese 9465
1200-1300 Mandarin 9820 15360
1230-1300 Hakka 15290
1300-1400 Burmese 13685 Sa/Su
1300-1345 Burmese 13685 Mo-Fr
1300-1330 Mandarin 9820 9870 11610 15360
1330-1400 Mandarin 9820 15360
1330-1345 Assamese 15395 Mo/Tu
1330-1345 Boro 15395 We-Su
1330-1400 Swatow 9870
1345-1400 Santali 15395
1400-1530 Mandarin 9545 9820

1400-1415 Bengali 15360 Mo-Tu
1400-1415 Tamil 15360 Th-Mo
1400-1500 Cantonese 9870 Su
1400-1445 Cantonese 9870 Mo-Fr
1400-1415 Cantonese 9870 Sa
1430-1630 English 15330
1430-1530 Vietnamese 9430
2100-2230 Indonesian 15195
2100-2200 Japanese 11690
2100-2200 Korean 9465
2200-2300 Cantonese 11875 Su-Fr
2200-2215 Cantonese 11875
2200-2330 Mandarin 11890
(BBCM)

ICELAND *Ríkisutvarpid* Shortwave Service

1215-1300 Icelandic 13865usb
1410-1440 Icelandic 13860usb
1755-1825 Icelandic 11402usb
1835-1905 Icelandic 13860usb
2300-2330 Icelandic 11402usb
(BBCM)

INDIA New Station in India. This is from Leh on
4770. 4760 are both used by Leh and Port Blair An-
damans. At 1530 both normally carry nx in English
from Delhi, but at 1545 Port Blair on 4760 carries
English progr SPOTLIGHT, while Leh carries nx in Ur-
du. But to me this 4770 from Leh is a result of
wrong punching. A few weeks back AIR Calcutta
used 4825, instead of 4820. After my report to Delhi
they switched back to 4820. That was a wrong
punching indeed. Let's see how long Leh is on 4770
instead of 4760. Judging from the signal stregh
here, it seems this is the same transmitter on a
wrong freq.

AIR Imphal is on 4775 with 50 kW and it is like-
ly that AIR will not use the adjacent 4770 from Leh.
(Alok Dasgupta-IND, Jan 20/BCDX/Bueschel-GER)

INDONESIA *Radio Republik Indonesia* has now
web site (partly 'under construction') at: [http://
www.rrionline.com/](http://www.rrionline.com/)

RRI Overseas Service home page is at: [http://
www.rrionline.com/rriframe_overseas_main.html](http://www.rrionline.com/rriframe_overseas_main.html)
(Maes-TDP web [http://www.transmitter.org/Savola-
ainen-FIN](http://www.transmitter.org/Savola-
ainen-FIN))

ISRAEL *Kol Israel* in English:

0500-0515 7500 7515 9435 15640 17545
1700-1730 11605 13740 17545
2000-2030 6280 7510 9435 11605 15640 15650

(Moshe Oren-ISR, Bezeq, DXLD Jan 31/BCDX/Bue-
schel-GER)

KOREA—NORTH The overseas service changed its name from "Radio Pyongyang" to "*Voice of Korea*" on Feb 16. The new station ID in English is "This is Voice of Korea." Feb 16 was Kim Jong Il's birthday. (Yamashita-JPN, ABI via wwdxc Feb 16/BCDX/Bueschel-GER)

0000-0100	English	11460	11710	13760	15180
0000-0100	French	3560	11735	15230	17735
0000-0100	Mandarin	11845	13650		
0100-0200	French	11845	13650		
0100-0200	Spanish	11460	11710	13748v	15180v
0100-0200	English	3560	11735	15230	17735
0200-0300	French	11460	11710	13760	15180
0200-0300	Spanish	3560	11735	15230	17735
0200-0300	English	11845	13650		
0700-0800	Korean	4405	6195	7140	9325 9345
0700-1000	Japanese	0621	3250	6070	7580 9650
0700-0800	Russian	3560	6575	9975	13760
		15245			
0800-0900	Korean	3560	6575	7140	9345 9975
		13760	15245		
0800-0900	Mandarin	4405	6195	7140	9325 9345
0900-1000	Korean	4405	6195	7140	9325 9345
0900-1000	Russian	3560	6575	9975	13760
		15245			
1010-1100	Korean	3560	4405	7140	9345 9850
		11335	13650		
1100-1200	Korean	4405	7140	9345	
1100-1200	Mandarin	3560	9850	11335	13650
		13760			
1100-1400	Japanese	0621	3250	6070	6520 7580
1200-1300	English	3560	9640	9850	9975 11335
		13650			
1200-1300	Mandarin	4405	7140	9345	
1300-1400	Korean	4405	7140	9345	
1300-1400	Spanish	3560	9640	9850	9975 11335
		13650			
1400-1450	Korean	3560	9640	9850	9975 11335
		13650			
1500-1600	English	4405	6575	9335	11710
		13760			
1500-1600	Russian	7505	9325		
1500-1600	Arabic	3560	6465	6520	9600 9975
1600-1700	English	3560	6520	9600	9975
1600-1700	French	4405	6575	6630	9335 11710
		13650	13760		
1600-1700	German	7505	9325		
1700-1800	Korean	3560	6520	9600	9975
1700-1750	Korean	4405	6575	9335	11710
		13760			
1700-1800	Russian	7505	9325		
1800-1900	Arabic	3560	6520	9600	9975
1800-2000	German	7505	9325		
1800-1900	Spanish	4405	6575	6595	6615 9335
		11710	13760		
1900-2000	English	4405	6575	6595	6615 9335
		11710	13760		
1900-2000	French	3560	6520	9600	9975
2000-2050	Korean	3560	4405	6520	6575 6585
		6615	7505	9325	9335 9600
		9975	11710	13760	

2100-2300	Mandarin	3560	7145	9345	9975 11735
2100-2200	Japanese	0621	3250	6520	6630 7580
		9600			
2100-2200	Spanish	4405	6575	6595	6615 7505
		9335			
2200-2300	Japanese	0621	3250	6520	6595 6615
		7580			
2200-2300	French	4405	6575	6595	6615 7505
		9335			
2300-2350	Korean	3560	7145	9345	9975 11735

(BBCM + Fine-VA)

KOREA—SOUTH *Radio Korea International*. Some broadcasts are relayed via Radio Canada International's facilities at Sackville (marked "c") and the Merlin Communications' transmitters in the UK ("u") and Singapore ("s").

0000-0100	Japanese	11810			
0000-0100	Korean	5975	15575		
0100-0200	Korean	7275	11725		
0100-0200	Spanish	11640	11810	15575	
0200-0300	English	7275	11640	11725	
		11810	11895	15575	
0300-0400	Korean	7275	11725		
0700-0800	Korean	7550	9535u	9570	
0800-0900	English	9570	13670		
0800-0900	Japanese	5975	7275		
0900-1100	Korean	5975	7275	9570	13670
0900-1000	Korean	7550			
1000-1100	Spanish	7550	9580	11715- c	
1100-1130	Korean	9580	9650c		
1100-1200	Russian	5975	6135	7275	
1130-1200	English	9650c			
1130-1230	Mandarin	6065			
1200-1300	Indonesian	9570	13670		
1200-1300	Japanese	5975	6135		
1200-1300	Korean	7285			
1300-1400	English	9570	13670		
1300-1400	Mandarin	5975	6135	7285	
1400-1500	Indonesian	9570	13670		
1400-1500	Japanese	5975	7275		
1600-1700	Arabic	6150	7275	7550	
1600-1700	English	5975	9515	9870	
1600-1700	Russian	15575			
1700-1800	French	7275	9515	9870	
1700-1900	Korean	5975	7550	15575	
1800-1900	German	6480	7275		
1800-1900	Spanish	9515	9870		
1900-2000	Russian	7105u			
1900-2000	Arabic	6480	7550	9515	15575
1900-2000	English	5975	7275		
1900-2000	French	9870			
2000-2100	Mandarin	5975			
2000-2100	German	3955u	7550	15575	
2000-2100	Spanish	7275	9870		
2100-2200	French	3955u			
2100-2200	English	15575			
2100-2300	Korean	5975			
2200-2230	English	3975u			
2200-2300	Indonesian	7275	9640s		

2300-2400 Mandarin 5975 7275
2300-2400 Korean 15575
(BBCM)

Korean Broadcasting System (KBS)

0000-2400 Korean 3930
(BBCM)

LAOS Foreign language program of **LNR** Vientiane heard only on MW 1030. In Nong Khai, Northern Thailand (approx. 20 kms away of Vientiane), only heard with 20 m longwire antenna, poor 0-2-3. transmitter has seemingly only few Watts of power. Please delete freq 7116, which is off for many years now, though many publications mention this item still from year to year.

Fine signal of LNR Vientiane on 6130 all over Thailand. (Volk-THA, Feb 1/BCDX/Bueschel-GER)

MADAGASCAR Radio Madagascar in Malagasy signs on daily at 0500 on 9690, heard until 1200. Then R. Taipei International creates severe interference (Kolesov-UKR/DX Listening Digest/Hauser-OK)

MALAYSIA RTM is currently absent from 4845 (as of 22 Jan). This freq carried their 'Radio 6' sct in Tamil 24 hrs. Other domestic freqs from K-L via Kajang are still heard as previously on 5965v, 6025 and 7295. (Alan Davies-THA, Jan 22/BCDX/Bueschel-GER) Another couple of freqs from Kajang may be missing, as well as 4845. In the past few days, I have been unable to trace 6025 (formerly carried dom sctes 0400-1300 and VoIslam in Malay 1400-1700) and 9750 (Indonesian 2200-2400 & 0900-1400, VoIslam 1400-1700, and other ext sct langs at times). [later report-->] 6025 and 9750 are now active, and the audio on 6175 is greatly improved. All three freqs were noted carrying the Suara Islam (Voice of Islam) sct in Malay at 1445.

6175 is still on during local afternoon and evening with ext sct programming and VoIslam in Malay at 1400-1700, although I can't confirm the 2200-2400 Indonesian release (propagation is very poor at this time of the morning). Reception is difficult due to shallow modulation and distorted audio.

5965 (24 hrs dom sct Radio Satu in Malay) is still on, but slightly off channel and with mediocre audio, as has been the case for several years. 15295 also seems to be active, but it's a very weak signal here. The ext sct freqs 6100 and 11885 (the latter carrying Chinese 1030-1230) are still reasonably good, but the only channel still giving really good reception here is domestic RTM Radio 4, 24h in English on 7295. (Alan Davies Hat Yai-THA Feb 10/BCDX/Bueschel-GER)

MEXICO 3180.00, **XEVOZ - Bonita AM**, Mexico City (2 x 1590 harmonic) 1103 Jan 31, Operatic male vocals, 1114 "Bonita" jingle, ID's "...15-90...Bonita con la msica..." Fairly good signal under rumbling ute (Mohrmann-VT/DX Listening Digest/Hauser-OK)

XEQM 6105 Rasa Onda Corta (Ex-Tus Panteras) I have been tuned in XEQM since January 31, singing on at 1200 relaying XEUL 930 "Radio Foro" with news (national and local, sports) named "Radio Noticias" until 1400, when switch to relay XEMH 970 Candela Tropicaliente. In January 3 XEQM began with transmissions relaying "Candela Tropicaliente." (5-Feb/Bojorge-MEX/Cumbre DX/Johnson)

MOZAMBIQUE Radio Mozambique Antena Nacional, only shortwave frequencies which have been confirmed recently are listed below. The shortwave frequencies may not be used for the entire broadcast day.

0000-2400Portuguese3210 9639v 11818v 15295v-daytime

(BBCM)

NEW ZEALAND Radio New Zealand International

0000-0705	English	17675
0705-1205	English	15175
1205-1650	English	6095 occ. sports use
1650-1750	English	11725 Mo-Fr
1750-1950	English	15120 Mo-Fr
1855-1950	English	17675 Sa/Su
1950-2400	English	17675

(BBCM)

OMAN Frequency change on **Radio Sultanate of Oman** in Arabic:

1800-2000 NF 6190 // 15355. (Ivanov & Datzinov-BUL, Jan 8/BC-DX/Bueschel-GER)

PAPUA NEW GUINEA According to Deborah Wells, they haven't really made any progress towards getting their shortwave on the air. **KBBN** still hopes to be on shortwave by July. **PANGTEL** has told them that the 3200-3400 range is crowded, but that they will try to coordinate a possible frequency 10 kHz to 15 kHz down from 3205 kHz. They are also looking at the 2300-2500 and 3900-3950 kHz ranges (Johnson, Cumbre DX Feb 22/DX Listening Digest/Hauser-OK)

3235 **Radio West New Britain** 1140 local pop music, choral music, announcements by YL; definitely a PNG morning, with audio heard on many of the PNG channels, including 3355, 3365 (Brandi-NJ February 18)

PERU 4655 *Radio Nuevo Amanecer*, Celendin, 2350—0030, Feb 05 and 06, Spanish, Musical Program and Comunicados, Advs, ID's "El programa El Peru y sus artistas en su audicion especial a traves de Radio Nuevo Amanecer" to and ID "siete de la noche con quince minutos en todo el Peru en los 4655 Khz Onda Corta...por Radio Nuevo Amanecer..." (Eramo-ARG)

POLAND *Radio Polonia*

1100-1130	Slovak	5965 7285 Mo
1100-1130	Czech	5965 7285 Tu-Su
1130-1200	Polish	5965 7285
1200-1230	Polish	7270 7285
1200-1230	Russian	7250 9540
1230-1300	Belarusian	5995 7285
1230-1300	German	6095 9525
1300-1400	English	6095 7270 9525 11820
1400-1430	Lithuanian	6035 6095
1400-1430	Russian	7285 9540
1430-1530	Belarusian	5995 6035
1430-1500	Esperanto	7275 7285
1500-1530	German	6095 7285
1530-1600	Russian	6000 7230
1530-1600	Ukrainian	6035 7285
1600-1630	Lithuanian	6035 7180
1600-1630	Ukrainian	6015 7130
1630-1730	Polish	6035 7285
1630-1700	Ukrainian	6015 7180
1700-1730	Slovak	6095 7215 Su
1700-1730	Czech	6095 7215 Mo-Sa
1730-1800	Belarusian	5995 7285
1730-1800	Ukrainian	6035 7270
1800-1900	English	5995 7285
1800-1900	Belarusian	6035 7270
1900-1930	German	7285
1900-1930	Esperanto	7130
1900-1930	Russian	5995 7270
1930-2000	Ukrainian	5995 6035 7130 7295
2000-2030	Russian	6035 6095 7180 7210
2030-2130	English	6030 7185 7265 9540
2130-2200	Belarusian	6035 7340
2130-2200	Ukrainian	6000 7180
2200-2300	Polish	6035 6095 7270

(BBCM)

RUSSIA Updated schedule of *Voice of Russia* in Russian as of Jan 22:

0200-0400	7125 7260 9810 12010 15445 15595 17565 17595 17660 21755
1300-1400	6185 7155 7205 9490 15460
1400-1430	6185 7155 7205 7315 9490 15460
1430-1500	6185 7155 7170 7205 7315 9490 15460
1500-1600	6030** 6185 7170 7185
1600-1700	6030** 6185 7170 7185 7315 9470 12030
1700-1800	6030** 6185 7170 7185
1800-1900	5950 6185 7170 7185 7205
1900-2000*	6030* 7170*

2000-2030	6030* 7170 7185 7310 7380 9905
2030-2100	6030* 7170 7185 7205 7330 7310 7380 9905
2100-2200	6030** 7185 7205 7370 9480 9905

* changes; ** not announced (Ivanov and Datzinov, Jan 30/BCDX/Bueschel-GER)

6230 *Radio Gardarika* returned to shortwave on Fri, Feb 16 from 2000-2100 daily for Europe. All references about the progr should be addressed to: 192007, Sankt-Petersburg, Ligorovskiy pr., 174, Radio Studio Doma Radio "Gardarika." (Timofeyev-RUS-DX via Klepov Feb 15) 6230 Radio Gardarika first day on the air 2015 Russian language pop music, announcements between songs, ID "Gardarika" @ 2029, into possible news @ 2030, more music @ 2035, canned ID @ 2047, more music, another canned ID @ 2104, then off (Brandi-NJ February 16)

Radio Miks-Master in Yakutsk (4940) is frequently misinterpreted as a private radio station. This is not the case. This station is a radiochannel of NVK "Sakha" which is the national state broadcasting company of the Republic of Sakha (Yakutiya). It is financed by the republic's administration and is included in the structure of VGTRK (Allrussian state radio & TV broadcasting company) as the regional broadcasting company for Yakutiya. (Bernd Trutenau-LTU, 22 Jan/BCDX/Bueschel-GER)

Radio Radonezh in Russian on shortwave with religious program: 1700-1959 on 6245. (Ivanov & Datzinov-BUL, Jan 8/BC-DX/Bueschel-GER) Radio Radonezh invites reception reports at Radio Radonezh, Pyatnitskaya 25, 113326 Moscow or at radiator@mn.ru (Sosedkin-MI, DXLD Jan 6/BC-DX/Bueschel-GER)

Radio Studio Doma Radio Address: Radio Studio Doma Radio, Ligorovsky prospekt 174, St Petersburg 192007, Russia

1900-2100 Russian 6230

(BBCM)

SAUDI ARABIA Frequency changes of *BSKSA* Holy Koran in Arabic:

0300-0600	on NF 9715 // 15170, 21495.
0600-0900	on NF 11818.1 is deleted
1500-1800	11818.1 (x17760) // 13690 15205 17560

(Ivanov & Datzinov-BUL, Jan 15, 23 & 30/BC-DX/Bueschel-GER)

SEYCHELLES *FEBa Radio*

0030-0100	Hindi	7265
0045-0100	Punjabi	9465 Fr
0045-0100	Assamese	9465 Sa
0045-0100	Bengali	9465 Su-Th
0100-0115	Punjabi	7265 Sa

0100-0200	Tamil	9465	1400-1443	Urdu	9805
0100-0115	Dzonkha	7265 Fr	1415-1500	Hindi	11600 Su-Th
0100-0115	Marathi	7265 Su-We	1415-1445	Bengali	15445
0115-0145	Telugu	7265 Sa-Th	1443-1458	Punjabi	9805 Tu
0115-0200	Telugu	7265 Fr	1443-1458	Urdu	9805 Su
0145-0200	Malayalam	7265 Su	1443-1458	Hindko	9805 We-Sa
0145-0200	Kannada	7265 Mo/Tu/We/Th/Sa	1445-1500	Malayalam	15445 We
0145-0200	Azeri	11610 Fr-Su	1445-1500	English	11600 Fr
0200-0215	Hindko	9465 Mo-Tu	1445-1500	Telugu	15445 Th-Tu
0200-0215	Siraiki	9465 Fr-Su	1458-1513	Balti	9805 Sa/Su
0200-0215	Urdu	11640	1500-1600	English	11600 Sa
0215-0230	Punjabi	11640 Sa-Tu	1500-1530	Kannada	11600 Su
0215-0230	Sindhi	9465	1500-1515	Tulu	11600 Tu
0230-0245	Baluchi	9465 Th-SU	1500-1515	Konkani	11600 Th
0230-0245	Pashto	11640 15555	1500-1515	Kannada	11600 Mo/We/Fr
0230-0245	Brahui	9465 Mo-Tu	1515-1530	Nuer	11885
0245-0330	Dari	15555 Fr	1530-1545	Uzbek	9485 Sa/Su
0245-0300	Dari	11640 15555-(Sa/Su only)	1530-1545	English	11600 Th/Fr
			1530-1600	English	11600 Su-We
0245-0315	Dari	15555 Mo-Th	1530-1545	Dinka	11885
0300-0315	Hazaragi	15555 Sa/Su	1545-1615	Makonde	11885 Sa
0300-0330	Persian	11640	1545-1600	Hazaragi	9485
0315-0345	Swahili	11885 Tu/Th/Fr/Su	1600-1645	Dari	9485 Mo-Th
0315-0400	Swahili	11885 Mo/We/Sa	1600-1630	Amharic	11640 Fr-Su
0345-0400	English	11885 Fr	1600-1615	Makonde	11885 Su-Fr
0345-0445	Arabic	15535	1600-1630	Dari	9485 Fr-Su
0400-0430	Portuguese	9455 Fr-We	1615-1645	Swahili	11885 Th
0530-0600	Sinhala	15555 Fr	1615-1630	Guragena	11640 Mo-We
0815-0830	Malayalam	15460 Su	1615-1700	Swahili	11885 Fr-We
0815-0900	Hindi	15460 Th	1630-1700	English	11605 Su
0815-0845	English	15460 Fr	1630-1700	Dhivehi	11605 Fr
0815-0830	Telugu	15460 Sa	1630-1700	Amharic	11640
0830-0845	Tamil	15460 Su	1700-1730	Oromo	11640 Fr/Su
0915-0930	French	15430	1700-1745	Somali	9485 11885-(to 1730)
1100-1245	Arabic	15535 Sa	1730-1800	Tigrinya	11640 Su
1100-1300	Arabic	15535 Su-Fr	1730-1745	Tigrinya	11640 Mo-Sa
1145-1200	Tsangla	15445 Sa/Su	1745-1900	Malayalam	11600 Fr
1200-1230	Tibetan	15445	1747-1803	Azeri	9485 15430 Fr-Su
1230-1245	Nagpuria	15445 Th	1803-1833	Persian	9485 15430 Sa/Su
1230-1245	Mundari	15445 Mo/Tu	1830-1845	French	9485 Tu/We
1230-1245	Bhojpuri	15445 Fr/Sa	1830-1900	French	9485 Th-Mo
1230-1245	Marwari	15445 We			
1230-1245	Bhili	15445 Su			
1245-1300	English	15535 Sa			
1245-1315	Bengali	15445 Fr/Sa			
1245-1300	Marathi	15445 Su			
1245-1300	Punjabi	15445 Tu-Th			
1300-1315	Oriya	15445 Mo/We/Th			
1315-1345	Gujarati	15445 Fr			
1315-1330	Gujarati	15445 Sa-Th			
1330-1345	Magahi	15445 Sa			
1330-1345	Nepali	15445 Su/Mo			
1330-1345	Chattisgarhi	15445 Tu-Th			
1330-1400	Sinhala	9805			
1330-1345	Badaga	11885 Su/Mo			
1330-1400	Tamil	11885 Tu-Sa			
1345-1400	Tamil	11885 Su/Mo			
1345-1415	Malayalam	15445 Tu-Su			
1400-1445	Hindi	11600 Fr			
1400-1415	Malayalam	15445 Mo			
1400-1415	Urdu	11600 Su-Th			
1400-1430	Hindi	11600 Sa			

SOMALIA Cumbre DX's Somalis sources update us on the Somali radio scene:

6750 *Radio Mogadishu* is still here, but technical problems are keeping it off the air at times.

7098 *Radio Banadir* is here, ex 7020/7070, etc...This station has aligned itself with new transitional government in Somalia.

7530 *Radio Hargeisa* is still in use here. (via Johnson Feb 12) Program schedule in on the web. (Hallmann Feb 13 DXLD via Hauser) More importantly, their time schedule is also here if this website is to be believed. 0330-0530 Sun-Thu, 0400-0700 Fri, 1000-1200 and 1500-1900 daily. (via Johnson Feb 14/Cumbre DX)

SOUTH AFRICA New station, *Radio Lusofonia*, was formerly in Portuguese and English, now only in English Sa/Su 1800-1900 on 7155. Addresses: P.O.Box 1267, Rosettenville 2130; and P.O. Box 1586, Alberton 1450; both South Africa. (Betten-court-R. Lusofonia, to Constantinides-CYP, via Vaghjee-MAU, NU Feb 4/BCDX/Bueschel-GER)

SWAZILAND *Trans World Radio* Swaziland

0300-0330	Ndebele	3200
0300-0345	Shona	3240
0300-0345	Swahili	5970
0330-0400	Tigrinya	7215M Mo/Tu
0330-0400	Oromo	7215M We-Fr
0330-0400	Amharic	7215M Sa/Su
0345-0355	Lomwe	4775
0400-0500	German	4775 6035-(0430- 0500 Su only)
0400-0430	Tumbuka	6100 Tu/Fr
0400-0430	Chewa	6100 Mo/We/Th/Sa/Su
0430-0500	Chewa	6100
0430-0500	English	4775-(not Su) 6035
0500-0735	English	6035 7200 9500
0600-0615	English	11640M
0615-0630	English	11640M Sa
1400-1415	Urdu	5330
1435-1440	Portuguese	7315 Mo-Fr
1440-1510	Portuguese	7315
1510-1525	Makua	7315
1510-1555	Malagasy	9585
1525-1555	Lomwe	7315
1530-1545	Bemba	9500 Sa
1600-1630	Shangaan	4760 Su
1600-1630	Tumbuka	6135 Tu
1600-1630	Tshwa	4760 Mo-Fr
1600-1700	Portuguese	4760 Sa
1600-1630	Chewa	6135 Mo-Sa
1600-1630	Kirundi	9680M
1600-1630	Siswati	1170
1630-1700	Borana	9680M Mo
1630-1645	Portuguese	4760 Mo/Th
1630-1645	Shangaan	4760 Tu/We/Fr/Su
1630-1700	Oromo	9680M Tu-Su
1630-1658	Chewa	6135
1630-1700	Tigrinya	11705M
1630-1700	Zulu	1170
1640-1655	Somali	9650M
1657-1727	Arabic	9650M Su
1657-1712	Shuwa	9650M Mo-We
1657-1712	Juba	9650M Th-Sa
1700-1715	Tswana	3200 Tu/Th/Sa
1700-1715	Pedi	3200 We/Su
1700-1715	Sotho	3200 Mo/Fr
1700-1745	Swahili	9474.9
1703-1718	Sena	7265M (FEBA prog)
1715-1730	Afrikaans	3200 Mo-Fr
1715-1745	Afrikaans	3200 Sa/Su
1718-1733	Yao	7265M (FEBA prog)
1730-1900	English	9500
1730-1830	Amharic	9535M
1745-1800	Swahili	9455

1745-2015	English	3200 Mo-Fr
1745-1815	Swahili	9455v Mo-Fr
1747-2015	English	3200 Sa/Su
1800-1815	Swahili	9455 Sa/Su
1800-1815	Kimwani	9455 Sa/Su
1800-1830	Ndebele	3240
1820-1835	Chokwe	6130
1830-1900	Fulfulde	9510M
1830-1900	Hausa	9460M
1830-1900	Shona	3240
1835-1905	Bambara	9700M
1835-1850	Umbundu	6130
1850-1920	Portuguese	6130 Su
1850-1905	Kikongo	6130 Mo-Sa
1900-1930	Kanuri	9460M
1900-1930	Lingala	9525
1900-1915	Ndau	3240
1900-1930	Yoruba	9510M
1902-1920	Lunyaneka	6130 Sa
1905-1920	Luchazi	6130 We/Fr
1905-1920	Portuguese	6130 Mo/Tu/Th
1905-1935	Baoule	9700M
1920-1950	Portuguese	6130
1930-2000	Igbo	9510M Su
1930-1950	French	9525
1930-2000	Nupe	9510M
1935-2005	Sonhai	9700M Fr
1935-2025	French	9700M Sa-Th
1950-2005	French	9525 Sa/Su
1950-2020	French	9525 Th
1950-2005	Kimbundu	6130
2000-2030	Twí	9510M
2005-2020	Moore	9700M Fr
2005-2010	Portuguese	6130 Mo-Fr
2020-2025	French	9700M
2030-2045	Ewe	9510M Sa/Su

M= via Meyerton, South Africa (BBCM + Ivanov and Datzinov-BUL, Jan 30/BCDX/Bueschel-GER)

SWEDEN *Radio Sweden*

0000-0030	Swedish	9495
0100-0130	Swedish	7145-alt 7290 9495 9635
0130-0200	English	7290-alt 9495
0200-0230	Swedish	7155-alt 9495
0230-0300	English	7155-alt 9495
0300-0330	Swedish	9495
0330-0400	English	9495
0500-0530	Swedish	7155-alt 9495 Sa/Su
0500-0600	Swedish	6065 17505 Mo-Fr
0600-0700	Swedish	6065 9490 17505 Mo-Fr
0700-0800	Swedish	9490 Mo-Fr
0700-0900	Swedish	6065 17505 Sa
0800-1000	Swedish	6065 17505 Su
1100-1110	Swedish	9490 9525-alt 17505 21810 Mo-Fr
1100-1130	Swedish	9490 9525-alt 17505 21810 Sa/Su
1130-1140	Swedish	17505 18960 21810 Mo-Fr
1130-1200	Swedish	17505 18960 21810 Sa/Su
1230-1300	English	18960
1300-1330	Russian	17865

1300-1330	Swedish	9425 17505-alt 18960	1330-1500	Persian	11705
1330-1400	English	9425 17505-alt 17870 18960	1400-1500	Russian	11795
1400-1430	Russian	9865	1430-1530	Bulgarian	7140
1400-1430	Swedish	9430-alt 17505 18960	1430-1500	Serbian	11935
1430-1500	English	17505 18960	1500-1700	Arabic	6120 15195
1500-1530	Swedish	17505 18960	1500-1600	Azeri	5965
1545-1600	Swedish	6065 18960	1530-1630	Greek	6195
1600-1645	Swedish	6065	1600-1700	Turkish	9460 9560 11955 15350
1600-1630	Swedish	6175-alt 7180	1600-1700	Kazakh	9545
1645-1710	Swedish	6065 13765 15495	1630-1730	Turkmen	5965
1700-1715	Estonian	6065	1700-1800	Turkish	5980 6120 9460 9560
1715-1730	Latvian	6065	1700-1730	Croatian	9595
1730-1745	Estonian	5965	1700-1800	Kyrgyz	6095
1730-1800	Russian	6050 6065	1730-1800	Spanish	11670
1745-1800	Latvian	5965	1800-2000	Turkish	5980 6120 7110 9460 9560
1800-1815	Estonian	6065 Mo-Sa	1800-1900	Russian	6135
1800-1900	Swedish	6065 Su	1800-1900	Uzbek	5955
1815-1830	Latvian	6065 Mo-Sa	1830-1930	German	6145 7215
1830-1900	English	6065-(not Su) 9765-(Su only)	1900-2000	Bosnian	5990
1900-1930	Swedish	6065 9765 11615	1900-2000	Tatar	5955
1930-2000	German	6065 Mo-Sa	1930-2030	English	6140 7125
1930-2030	German	6065 Su	2000-2200	Turkish	5980 6120 7110 7190 9460 9560
2000-2030	Swedish	9445 11615	2030-2130	French	6050 6140 7155
2000-2030	Russian	6065-(not Su) 9590-(Su)	2130-2230	English	9525
2030-2100	English	6065 9445	2200-2300	Turkish	5980 6120 7110 7135 7190 9445 9460
2100-2200	Swedish	6065 9765 11615	2300-0000	Turkish	5980 6120 7135 7300 9445 9460
2200-2230	Swedish	6065 7325	2300-0000	English	6020 9655
2230-2300	English	6065			

(BBCM)

TURKEY Voice of Turkey

0000-0400	Turkish	5980 6120 7135 7300 9445 9460
0200-0300	Uzbek	7115
0400-0500	Turkish	5980 6120 7300 9445 9460
0400-0500	English	6020 7240 9655 21715
0500-0800	Turkish	9445 9460 11620 11925 11955 17570 17690 21715
0800-1000	Turkish	9460 11925 11955 15350 17570 21715
0800-0930	Azeri	11835 17755
0800-0900	Georgian	11690
0900-1000	Macedonian	11895
0930-1030	Persian	11795 17690
1000-1100	Turkish	9460 11955 15350 21715
1000-1200	Arabic	15105 15245
1030-1130	Hungarian	17565
1030-1130	Romanian	11930
1100-1300	Turkish	9460 11955 15350 15615 21715
1130-1230	Greek	9630 11855
1200-1300	Mandarin	15105 17715
1230-1330	Albanian	11910
1230-1330	German	17870
1300-1600	Turkish	9460 11955 15170 15350 15615
1300-1400	Urdu	17715
1330-1430	English	17690 17815

1330-1500	Persian	11705
1400-1500	Russian	11795
1430-1530	Bulgarian	7140
1430-1500	Serbian	11935
1500-1700	Arabic	6120 15195
1500-1600	Azeri	5965
1530-1630	Greek	6195
1600-1700	Turkish	9460 9560 11955 15350
1600-1700	Kazakh	9545
1630-1730	Turkmen	5965
1700-1800	Turkish	5980 6120 9460 9560
1700-1730	Croatian	9595
1700-1800	Kyrgyz	6095
1730-1800	Spanish	11670
1800-2000	Turkish	5980 6120 7110 9460 9560
1800-1900	Russian	6135
1800-1900	Uzbek	5955
1830-1930	German	6145 7215
1900-2000	Bosnian	5990
1900-2000	Tatar	5955
1930-2030	English	6140 7125
2000-2200	Turkish	5980 6120 7110 7190 9460 9560
2030-2130	French	6050 6140 7155
2130-2230	English	9525
2200-2300	Turkish	5980 6120 7110 7135 7190 9445 9460
2300-0000	Turkish	5980 6120 7135 7300 9445 9460
2300-0000	English	6020 9655

(BBCM)

UNITED STATES OF AMERICA Radio Marti

0000-0300	Spanish	6030 7365 11775 13820 15330
0300-0400	Spanish	6030 7365 7405 11775 15330
0400-0700	Spanish	6030 7405 9805 11775 Tu-Su
0700-1000	Spanish	5980 6030 7365 7405 Tu-Su
1000-1200	Spanish	5980 6030 6060 9565
1200-1300	Spanish	5980 6060 7405 9565
1300-1400	Spanish	7405 9565 11930 13820
1400-1500	Spanish	9565 11815 11930 13820
1500-1700	Spanish	11815 11930 13820 21510 21675
1700-2200	Spanish	9825 11930 13820 21675
2200-2300	Spanish	6030 11930 13820 15330
2300-2400	Spanish	6030 11930 13820 15330

(BBCM)

WEWN Worldwide Catholic Radio

0000-1000	English	5825
0000-1300	Spanish	7425
1000-1100	English	5825 7465
1100-1300	English	5825 15745
1300-1600	English	11875 15745
1300-2300	Spanish	15375
1600-2100	English	11875 13615 15745

2100-2200 English 9975 11875 13615
2200-2400 English 9385 9975 13615
2300-2400 Spanish 7425
(BBCM)

WWBS Macon, GA
0000-0200 English 11900 Su/Mo
(BBCM)

Herald Broadcasting Syndicate change 1000-1100 via Taiwan, now on 11865 (ex-11870). (Moats-OH/EDXP/Padula-AUS)

Freq change of **Radio Liberty** in Lithuanian: 2000-2100 NF 7130 (45544) (x6150) to avoid CRI in Polish/Bulgarian via Issoudun-F. (Ivanov and Datzinov, Jan 30/BCDX/Bueschel-GER)

UZBEKISTAN Freq change of **Radio Tashkent**: 0100-0130 in English; 0130-0200 in Dari; 0200-0230 in Pashto and 0230-0330 in Uzbek (Radio Vatandosh) on NF 7215 (x7285 to avoid DW). (Ivanov and Datzinov, Jan 23/BCDX/Bueschel-GER)

VIETNAM 4795.9, **Son La Radio & TV Station**, Feb 16, 17, 18 & 19-20, 2245-0033 (fade out), Vietnamese talk and mountain tribal songs without music, 2329 instrumental interval signal and ID: "Viet Nam...dai phat (sounds like HI-FI in English) thanh truyen hinh Son La." Thanks to Alan Davies for assisting me with the ID which can be found on <http://members.tripod.co.uk/agd12/audio/son4796d.wav>. Then followed a similar program in

one of the mountain tribal languages, obviously with extended morning service. (Petersen-DEN/DX Listening Digest/Hauser-OK)

v6381.5 **Lai Chau Bcing Stn** at 1225 with Vietnamese folk songs. Followed at 1230 by Hmong prog including folk songs. At 1300 px in Thai type of lang. (Lam-SNG, Cumbre Feb 3/BCDX/Bueschel-GER)

v6495.20 **Cao Bang Radio** at 1258 in vernacular. (Gaku Iwata-JPN, Jan 28/BCDX/Bueschel-GER)

6695 **Lao Cai** (p) seems to be the one that has reactivated here, last noted by Davies' in November. Usual beautiful singing around 1330. Tried for the \ \ freq that hangs around 5.6 MHz, but haven't been able to find anything yet. (Johnson-AZ, Cumbre Feb 2/3/BCDX/Bueschel-GER)

Lao Cai noted at 1200 on around 5604 and 6695. The second of these transmitters is now back on air, it had apparently been off for a couple of months. **Cao Bang** also noted drifting around just below 6496. The move from 6500 puts it clear of Qinghai PBS CHN, but in the middle of a lot of utility interference. (Davies-THA, Feb 4/BCDX/Bueschel-GER)

YEMEN Republic of Yemen Radio 1

0300-2210 Arabic 5950 6135-alt 9780v*
0600-0700 English 9780v
1800-1900 English 9780v

*=carries English segment (BBCM)



FOR SALE: 1995-2000 WRTHs and 1996-2000 Passport to World Band Radio. All eleven books sold only as a complete set. First reasonable offer accepted. Buyer pays shipping. Bob Hill. Phone (978) 486-4646 or email <hillwriter@worldnet.att.net>/

FOR SALE: FRENDX/Journal, complete years 1979-1994, \$9.00 per year or \$110.00 for all fifteen years. Glen Hauser's DXLD, 21 issues from June 1988 to December 1994, \$15.00 for the lot. "Popular Communications" magazine, complete years 1986 to 1988, \$12.00 per year or \$28.00 for all. PWBR, 1997 and 2000 editions, \$10.00 each. All items postpaid in USA. Cashier's check or money orders only, please. No personal checks. Paul Brouillette, 611 Illinois Street, Geneva, IL 60134. Phine (630) 208-6406.

NOTICE: Jule Greene, 507 Woods Avenue, Dublin, GA 31021 would like to get in touch with other NASWA members in his area. You can also contact Jule at <juleg@aol.com>.

Pirate Radio Report

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

Hi and welcome to the March edition of the **Pirate Radio Report, The Winterfest Edition**. I won't be there this year but for those who can make it, it will be fun. Don't forget to have a plate of chicken croquettes at the Kulpville Kitchen on Friday night!

Lots of activity and despite what I said about Europirate Season being over, many Euros were heard over the past several weeks.

Pirate Radio Poll

Don't forget to vote for your favorite and least favorite pirate station. The votes need to be counted by June 1st so vote either via mail or email today.

Loggings

Alfa Lima International, the most frequently heard Dutch Pirate in North America was logged on 6299.98 kHz on Feb. 18th at 0748 UTC music, extensive ID and web address, talk about other pirates being able to be heard, including possibly hearing US pirates around 6950 [Brandi-NJ] Heard the same date around 0500 UTC [Lobdell-MA]

Blind Faith Radio. On 6955 USB at 1639-1652 sign off on Feb 18th with an SIO of 353. Program of classic rock w/slogan of "Your Millennium Pirate Radio Station." [Zeller-OH]

KIPM, Alan Maxwell's station, was logged at 1010-1045 UTC on February 4th on 6950 kHz in the USB mode. Programming included stories about his father, the military, peace and confusion. [Walker-PA]

Laser Hot Hits a Europirate was heard down on 80 meters on 3934.9 kHz on February 18th at 0755 UTC with pop music, fading out by 0800; running //to 6220 kHz. [Brandi-NJ]

Radio Neptune Universal Service was heard on 6949.65 kHz USB on the 11th of Feb. from 0323-0401 UTC with music including U2 "Where The Streets Have No Name," Blues

Bros "Soul Man" Rolling Stones "Down The Line." Commentary about QSLs, and the present pirate scene in 2000-2001. [Comeau-MA] was also noted 6949.76 kHz on February 18th at 0835 UTC. A British wind breaking championship, song "Big Bottom" by Spinal Tap, Station ID, show number 7, Blue Ridge Summit address [Brandi-NJ]

Radio Three. Logged on 6950 LSB at 0033-0111 sign off on February 15th with an SIO of 353. Sal Amoniac w/program of rock music, sometimes with a z-Rock slogan. Heard on a weeknight; Valentine's Day. Contest to win a Drake R8 or \$1 million. No address, since they only QSL logs in the ACE bulletin. [Zeller-OH]

Take It Easy Radio/TIE. Was logged on January 28th at 0336 UTC on 6950 kHz USB with Easy Listening music and weather info. [Wilkins-MO] Also logged on 6949 kHz USB on Feb. 17th at 0027 UTC with "Ballad of the Green Berets" repeated over and over and over, until the last time when it started to skip, then Morse code for a few minutes on a Radio Shack practice key saying "Take it Easy Radio" [Brandi-NJ]

UK Radio noted 6266.56 kHz with tentative reception on February 18th at 0810 with pop music, a long talk by OM with many possible IDs, mentioned having been heard in Pennsylvania, address, drifting down to 6266.45 @ 0820 UTC [Brandi-NJ]

Unidentified. Station heard on 6950 kHz at 0042 UTC Feb. 17th. A parody of numbers station using nasty words, very distorted audio, almost like a Furby; probably Take It Easy Radio, as the broadcast occurred immediately after the one on 6949 and before the one on 6948 [Brandi-NJ]

Thanks to the following contributors Ralph Brandi-NJ, Ross Comeau-MA, Bill Wilkins-MO, and George Zeller-OH

Until next month, Happy Pirate DX! 

QSL Report

Sam Barto • 47 Prospect Place • Bristol, CT 06010

RADIO PRAGUE



www.radio.cz

ALBANIA: Radio Tirana International 7160 paper postcard of "Logo and Woman" in a Traditional Dress" in 95 ds. w/o the frequency for \$1.00. (Brouillette-IL).. f/d cd. in 51 ds. (McGuire).

ARGENTINA (Pirate): Radio Exotica 14565 via Radio Blandengue f/d cd. w/ ltr. in 34 ds. v/s Afro Dito. (Kusalik-ALB).

ASCENSION ISLAND: Radio Telefis Eireann 21630 via English Bay f/d "River w/ Landscape" cd. in 19 ds. (Humenyk-ONT). United Nations Radio 17710 f/d "U.N. Building" cd. in 39 ds. for an e-mail rpt. (Kusalik-ALB).

ASIATIC RUSSIA: Voice of Tatarstan 15105 and 11665 via Samara 2 f/d cds w/ schedule in 40 ds. after a f/up rpt. This was for 2 IRCs. Also

ADDRESS REQUEST: I'm getting some of my reports returned from Brasil. Does anyone have addresses for Super Radio Roraima, Radio Jornal a Critica, Radio Capixaba or Radio Tupi? Also whats the latest on any address for the KDP Press Office or any of the other Kurdistan stations?.....Sam.

rcvd. station info. and a personal ltr. v/s Ildus Ibatutlin, QSL * Manager. (Kusalik-ALB). BBC 7330 via Chita f/d cd. w/ personal ltr.

in 2 mo. v/s Michelle Franks. (Field-MI). BBC 11695 via Vladivostok f/d cd. w/ personal ltr. in 2 mo. v/s Michelle Franks. (Field-MI).

BELORUSSIA: Programa Pers-
* haya (One) 7210 via Kalodisey f/d cd. w/ site and station info. in 4 mos. after my 2nd f/up rpt/ Also rcvd. station schedule and sticker. Total time was 23 mos. (Kusalik-ALB).

BRASIL: Radio Aparecida 9630 f/d "Radio Station Building" cd. in 116 ds for 1 IRC. v/s Cassiano A. Macedo, Programa Enconido DX. (Humenyk-ONT)

BULGARIA: Radio Bulgaria 7200 and 9400 via Plovdiv f/d "Bulgarian Towns, Melnik" cd. in 50 ds. w/ schedule. (Humenyk-ONT).

CANADA: Radio Telefis Eireann 13640 via Sackville f/d cd. in 19 ds (Humenyk-ONT).

Please excuse the typing. I'm trying to work out a few bugs....Sam.



DEPARTEMEN PENERANGAN R.I.
DIREKTORAT JENDERAL RADIO, TELEVISI & FILM
RADIO REPUBLIK INDONESIA
SIASIUN REGIONAL II GORONTALO
KODE POS 96128

Alamat : Jln. Jenderal Sudirman No. 30 Ielp. (0435) 21078-21121-21590-21591 Fax (0435) 21590-21591

Nomor : 188/B/X/1999.

Gorontalo, 20 Oktober 1999.

Lamp. : -

H a l : LAPORAN PENERIMAAN SIARAN.

Yth. Mr. Richard A. D'Angelo
2216 Burkley Drive
Wromissing, PA 19610
USA.

Surat anda bertanggal 22 September 1999 bersama salinan surat anda bertanggal 22 Oktober 1992, kami terima hari Kamis, 7 Oktober 1999.

Sungguh kami sangat berterima kasih atas laporan anda. Karena itu, kiranya anda tidak kecewa jika baru kali ini surat anda dapat kami beri jawaban. Surat anda terdahulu kami yakin juga sudah kami balas, sayangnya ia hilang setelah dimana.

Mr. D'Angelo, sesuai laporan anda, kami yakin anda telah mendengarkan siaran kami melalui gelombang pendek 91,88 M atau pada frekuensi 3265 KHz. Surat yang sama disertai rekaman hasil penerimaan ditampat masing-masing, juga kami terima dari berbagai amatir radio di daratan Eropa.

Semoga anda selalu sukses. Terima kasih atas perhatiannya, sampai jumpa.

Respectfully,
Kepala Stasiun, f

Dr. MUB. ASAAD
NTP. 050008173.-

QSL

Certificado de Sintonia

ECOS DEL ATRATO

Sr. Jerry Klinck, U.S.A.:

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 5,019.8 KHz: de fecha 23 Noviembre, 1998 a las 10:38 PM - 11:08 PM horas de Colombiano tiempo. vatios de potencia: 75W.

IMPRESA ECOS DEL ATRATO
NIT. 891.600.111-7
ADM NISRA-008
sello oficial

Afectuosamente,

RISTO VAHAKAINU
NIT. 891.600.111-7
ADMINISTRADOR



CHILE: La Voz Christiana 15375 f/d "Logo w/ Shadow of the Cross" cd. in 52 ds. w/ personal ltr. and schedule. v/s Vanessa. (Humenyk-ONT).

CLANDESTINE: Finote Democracy
* **Voice of Ethiopian Unity** 11990 via **Julich** p/d ltr. in 1 mo. My rpt. was sent to Los Angeles, QSL had LA and Amsterdam addresses but was mailed in France. (Craighead-Vietnam)

CUBA: Radio Habana Cuba 13680 f/d "Radio Habana Cuba DX Club" cd. in 81 ds. w/ personal ltr. and schedule. (Humenyk-ONT).

CZECH REPUBLIC: Radio Prague 7345 f/d "Czech Radio Building Past and Present" cd. and "Etavox Speaker" cd. in 12 ds. for 1 IRC. Also rcvd. schedule, sticker and a station pennant. (Brouillette-IL).

DIEGO GARCIA: Armed Forces Network 12579 f/d ltr. in 26 ds. v/s Jennifer Gray, Broadcast Operation Specialist. (Kusalik-ALB).

DOMINICAN REPUBLIC: Radio Barahona 4898 p/d ltr. w/

NOTES: Gene Borokowski hopes that once the dust has settled from the Holidays that he will have some serious time for DXing. Hope so... Sam. **Steven Lare** in Holland, MI says he is still DXing when he get a chance to go up north and use the Beverage antennas. Let us know the results... Sam. **George Martoti** says the QSLs have been rather on the slow side. **Bill Wilkins** of P.O. Box 50482, Springfield, MO 65805-0482 needs the address for the Royal Air Force Volmet station on 5450 kHz. He also needs the address for Cape Radio - Canaveral in FL.

亲爱的听众朋友:

来信收到了,感谢您在收听我们的节目,我们当然希望您能继续收听节目,并欢迎您来信、来电,反映您及您周围朋友对我们节目的意见和建议,使节目办得更好。

祝您万事如意。

愿我们的友谊长存!

中国 中央人民广播电台
年 月 日

Dear Mr. Klinck,

We are glad to have your reception report of our station on 11630 KHz. between 02:10:00-2:12:00 hours G.M.T. dated Nov 23, 1998. Your further reception reports on our station are welcome.

Thank you.

China National Radio

"Lip 6 5H"

Main Short Wave Frequencies of CNR

3220	3815	4460	4800	4905	5075	5090	5125
5163	5320	5860	5915	5955	6015	6095	6125
6750	6790	6840	6890	7440	7504	7518	7620
7770	7935	9064	9080	9170	9290	9380	9755
9775	9800	10260	11000	11040	11100	11610	11630
11630	11740	11800	11935	12120	15390	15500	15500
15550	15710	15880	17605	17700	KHz		

QSL

Certificado de Sintonia

RADIO CATÓLICA CULTURAL

Sr. Jerry Klinck, U.S.A.:

Muchas gracias por su informe de recepción. Tenemos el gusto de confirmar su control de nuestra emisión en 4,870 KHz: de fecha 7 Diciembre, 1999 a las 9:48 PM - 10:16 PM horas de Ecuador tiempo. vatios de potencia: _____.

sello oficial

Afectuosamente,

RISTO VAHAKAINU
NIT. 891.600.111-7
ADMINISTRADOR



Any assistance?... Sam.

postcards of "Playa de la Costa Sur" in 50 ds. for a SP rpt. and \$1.00.

Ltr. QSLed 4930 but was on 4898. Station sticker was also rcvd. v/s Ing. Roberto Lama S. (Brouillette-IL)... I heard them also on 4898.

ECUADOR: HCJB 9745 f/d "Ecuador's Fiestas" cd. in 32 ds. w/ schedule and * calendar for \$1.00. (Clement-GA). **European DX Report / Risto Vahakainu Special Interview Broadcast** 9745 via **HCJB** f/d ltr. in 8 mo. It

14 ds. after a f/up rpt. v/s Risto Vahakainu, Secretary General/EDXC. (Kusalik-ALB).

ENGLAND: United Nations Radio 15265 via **Woofferton** f/d "UN" cd. in 39 ds. for an e-mail and USPO rpt. (Kusalik-ALB). **Radio Telefis Eireann** 9895 via **Rampisham** f/d "Landscape" cd. in 19 ds. (Humenyk).

GERMANY: Deutsche Welle 25740 via **Wertachtal** f/d "Cathedral Churches on the Riverbank - Cologne" cd. in 91 ds. w/ station

QSL

La Telediffusion Tunisienne a le

plaisir de confirmer votre rapport

d'écoute du 13.8.98 a 21.57. MGT

...12005 KHZ et vous en remercie

تتمتع إدارة البث الإذاعي والتلفزيوني

بتبني تقرير استماعكم المرفق

بإيمون الساعة

الذنبية

Adresse :

Mr. MERK ALEXANDER HUMENYK - 26. CRESTRIDGE HEIGHTS ROAD
WEST-ONTARIO - MSP 1A4 - CANADA



Certificado de Sintonía
Radio Comas TV
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 3250 KHz. de fecha 9 MARCHA 2000 a las 23:13 horas de PERU con 5.000 vatios de potencia.

RADIO COMAS TELEVISION S.A.
J. Sgrulletta
 Jefe de Servicio al Cliente
 Gerente General
 firma



info., stickers and a schedule. v/s Horst Scholz, Transmission Management. (Humenyk). **Adventist World Radio** 5890, 9615 and 9710 f/d "Windsor Castle" from the River Thames" cd. in 70 ds. v/s Narline West, AWR QSLs. * (Humenyk). **Radio Xor-iyu - Radio Huriyo - Radio Freedom** 15175 e-mail response in 4 ds. after a f/up rpt. Use: ogaden@yahoo.com. (Kusalik).

GUAM: Armed Forces Network 13362 ltr. in 26 ds. v/s Jennifer Gray. (Kusa-
GUATEMALA: Radio Verdad 4052 n/d cd. w/ personal ltr, paper lik-ALB). station pennant, schedule and a listing of States and countries that have reported receiving the station. (Field-MI).

HAWAII: Armed Forces Network 10320 via Pearl Harbor f/d ltr. in 26 ds. * (Kusalik). **Pirating With Cumbre** 17510 via **KWHR** f/d cd. in 1 mo. (Craighead-Vietnam).

HONDURAS: Radio Costena Ebenezer 4930 p/d ltr. w/ station sticker in 1 yr.

VERIFICATION SIGNERS: Radio Clube Paranaense 6040 Vicente Mickosz, Superintendente. Addr: Rua Rockefeller 1311, Prado Velho, CEP 80230-130, Curitiba, PE, Brasil. **Radio Cultura de Cuiaba** 5015 v/s Roberto Ferreira. **Radio Inconfidencia** 6010 v/s Miguel Resende. Addr: Avenida Raja Gabaglia 1666, Luxemburgo, Belo Horizonte, MG CEP 30350-540, Brasil. **Radio Itatiaia** 5970 v/s Marcus Starling. **Radio Missoes Da Amazonia** 4865 v/s Augusto Moreira de Araujo, Director. **Radio Chechnya Svobodnaya** 7335 v/s Mikhail Timofeyev, QSL Manager. **Voice of Ethiopian Unity** 21550 via Julich Addr: P.B. 10573, NL-1001 EN Amsterdam, Netherlands. ...via PLAY DX...Sam.



AMPLITUD MODULADA 700 KHZ
ONDA CORTA 31 MTS. 9720 KHZ
ONDA CORTA 49 MTS. 6020 KHZ

Señor:
 John L. Sgrulletta
 337 Bullet Hole Road
 Mahopac, NY 10541 - 2605
 United States of America

Muy estimado:

Por medio de la presente le saludamos muy cordialmente, deseándole los mejores éxitos en su vocación de escuchar radioemisoras muy lejanas.

Hemos recibido su carta donde nos cuenta que la señal de RADIO VICTORIA llega hasta donde usted está y nos sentimos muy complacidos por su sintonía en onda corta. Nos gustaria contarle que nuestra RADIO VICTORIA tiene un programa evangélico que enfoca la palabra de Dios, y que es nuestro mayor deseo que todos tengan el conocimiento de quien es CRISTO y qué puede hacer en la vida del hombre. Los estlogos que escucha tienen fondos musicales cristianos. El programa que se transmite se llama "La Voz de la Liberación" de la Iglesia Pentecostal "Dios es Amor".

Nuestra emisora tiene 57 años en el aire y su aniversario es el 19 de Setiembre. Por lasa mañanas se transmite el Radio Periódico Nuevo Mundo de 5:00 a.m. a 7:00 a.m. a cargo de periodista Carlos Cabrera Torres. En Radio Victoria labora un equipo muy unido, conformado por José Ferreira Campos, Angela Sifuentes de Jiménez, Flor Navarro de Villamonte, Robin Villamonte, Prado Fernández, Miguel Castillo, Carlos Cabrera Torres.

Esperamos que sigas escuchando y escribiendo. Así te seguiremos contando de nuestra emisora.

Que Dios te bendiga

Angela Sifuentes de Jiménez
 Angela Sifuentes de Jiménez
 Secretaria



v/s Ricardo E. Hedman T. (Craighead-KS).

ISRAEL: Galei Zahal 6973 f/d cd. in 1 mo. (Field-MI).

KAZAKHSTAN: BBC 12075 * f/d cd. w/ personal ltr. in 1 mo. v/s Michelle Franks. (Field-MI).

MALAGASY REPUBLIC: Radio Canada International 13640 cd. w/ sticker, schedule and a thank you cd. from RCI staff (Field-MI). * **Voice of Hope** 12060 and 15320 via **Radio Nederland** ltr. in 11 ds. for an e-mail rpt. v/s Jane Namedi. (Kusalik-ALB).



RADIO EUSKADI

MALDIVES: Voice of Maldives 4754 f/d * prepared cd. which was signed and stamped in 19 yrs. total, 11 mos. and 25 ds. after my 10th f/up rpt. This was for an SASE. My rpt. was mailed from the Czech Republic. (Kusalik)...Never thought I'd ever hear this country reported again in the QSL Column. This is the only hobby I know of where one

has to live long enough to see any results...Sam.

MOROCCO: Voice of America 15240 via **Briech** f/d "The Transmitter at the Morocco Transmitting Station" cd. in 55 ds. w/ stickers. v/s Jings Beadlin. (Humenyk).

NICARAGUA: Radio Miskut 5770 nice personal ltr. w/ verie statements in 55 ds. after my 3rd try on a 98 reception. This was for a SP rpt. sent via registered mail and ms.(not used). v/s Sr. Evaristo Mercado Perez says the station is newly reactivated and retransmits VOA Spanish from the satellite.(Brouillette-IL).

ROMANIA: Radio Romania International 17815 f/d "Personalities of Romanian Culture" cd. in 100 ds. w/ schedule, ltr. and a pocket calen-

VERIFICATION SIGNERS: Radio Geronimo 6283 Addr: 64 Brighton Rd., Leicester, LE5 0HA, England. **Radio Sin Fronteras** 14565 via **Radio Blandengue**. Addr: Casilla 159, Santiago 14, Chile. **Radio City** 14565 via **Radio Blandengue** same as above. **Calypto Radio** 3985 via **Italian Radio Relay Service** Addr: PF 35, CH-6027 Romerswill, Switzerland. **Radio Baku** 9165 Kamil Mamedov, Director - Division of International Relations. **Radio Parakou** 5025 Addr: B.P. 128, Parakou, Benin. **Radio Vitebsk** 7105 Vladimir Pertsov, Editor in Chief. Addr: Ulzina Kalinka 1, Vitebsk 210015, Byelorussia. **Radio Illimani - La Voz de Bolivia** 6025 Gabriel Astorga Guechalla. **Emisora Rural A Voz de Sao**

Francisco 4945 Jose Cavalcanti, Ingeniero. Addr: Praca Maria Auxiliadora 205 - Centro, CEP.56300-000 Petrolina, PE, Brasil. ...via PLAY DX.....Sam.

GREETINGS FROM THE WORLD BEACON!

We are pleased to confirm your reception of The World Beacon.
We appreciate your feedback on the quality of both our transmission signal and our programming and look forward to hearing from you again soon.

With Warmest regards,

Jeff Johnson

Program Director via Willshaw

the
World Beacon

www.worldbeacon.net
reception@worldbeacon.net

The World Beacon 8133 Baymeadows Way, Jacksonville, FL 32256

the
World Beacon
www.worldbeacon.net



A Mission Initiative of Affiliated Broadcasting Corporation

dar. (Humentk). 9690 f/d "Emil Racovita and Traian Vuia" cd. in 45 ds. w/ sticker. (Humenyk).

SOMALILAND REPUBLIC: Radio * **Hargesia** 11640 and 11645 f/d prepared cd., signed and stamped in 23 yrs. and 53 ds. after countless attempts. This was via the GM address. v/s A. Dobenes, Consul. (Kusalik-ALB)...Great.

SOUTH AFRICA: Adventist

World Radio 9445, 9745 and 12105 via **Meyerton** f/d "Zaokskaya Seminar-ya Adventistov" cd. in 40 ds. w/ schedule. (Humenyk). **United Nations Radio** 6125 via **Meyerton** f/d "UN" cd. w/ site in 39 ds. for an e-mail rpt and USPO. (Kusalik). same w/ ltr. and schedule of SENTECH in 2 mo. v/s Kathy Otto. (Field-MI). **African Beacon** 11640 & 17665 cd. in 1 mo. (Field-MI).

BRANCH OF FEDERAL STATE UNITARY ENTERPRISE
THE RUSSIAN TELEVISION AND RADIO BROADCASTING COMPANY
CENTER OF BROADCASTING AND
RADIO COMMUNICATIONS No.2

ul. Akademiya Perlov 13A, St. Petersburg, 197776, Russia
Telephone: 234-18-62 Teletype: 121861 FOM-2 Fax: 234-29-73
E-mail: CRTRC@photon.sbernet.ru

James W. Young

WDX6JY-SWL

jwyoung@earthlink.net

Radio Rossiya via Kaliningrad
Confirmation No. 152

St. Petersburg
August 22nd, 2000

Dear listener,

Thank you very much for your reception report of our Radio Rossiya relay. We are very glad to tell you that all details of your report are correct:

Date: August 15th, 2000
Frequency: 15305 kHz
Time (UTC): 14.46 - 15.11
Time (Moscow): 18.46 - 19.11
Transmitters location: Kaliningrad / Bolshakov
Total power of transmitters: 160 kW
Transmitter aerial azimuth: 118 degrees
Receiver: _____ Antenna: _____ Location: _____

Here is the current schedule of all our short wave Radio Rossiya relays via Kaliningrad:

9995 kHz 0200-0400
15305 kHz 0430-1700
15025 kHz 1730-2000

I hope this technical verification will be interesting for you.

Yours sincerely,



Mikhail Timofeyev
QTH: wpxrjw
mty@yandex.ru

520 112, DE-44207 Dortmund, Germany. **Alpha Lima International** 15070
Addr: P.O. Box 663, NL-7900N AR, Jhoogeveen, Netherlands. **Chaos Radio International** 6288 Addr: P.B. 663 ... same as Alpha Lima. **Emisora Z del Dragon** 14565 v/s Emilio Fede. Addr: Casilla 159, Santiago 14, Chile....via PLAY DX....Sam.

Sunset" cd. in 95 ds. (Humenyk-ONT).
WYFR 6085 f/d "25 Years of Radio" cd. in 36 ds. w/ sticker, schedule, postcards and gospel info. (Humenyk)
Radio Prague 7385 via **WRMI** cd. w/ sticker, schedule and calendar in 1 mo. (Field-MI). **Radio Taipei International** 9680 via **WYFR** f/d "Lanius Cristatus" cd. w/ sticker, schedule and report forms in 85 ds. (Humenyk)
WTIR f/d certificate rcvd. for their test transmission. (Field-MI).

VATICAN CITY: Radio Vatican 7250 f/d "Transmitting Centre at Santa Maria Di Galeria" cd. in 12 ds. Also rcvd. stickers, schedule and a pocket calendar. (Humenyk).

Best of DXing
Sam

World Deacon 17665 and 11640 n/d cd. in 2 wks. w/ ltr. and schedule. v/s Jeff Johnson, Program Director. (Field-MI). same in 1 mo. for 2 IRCs. (Kusalik-ALB).

SYRIA: Radio Damascus

17830 via **Adhra** f/d "Omayyap Mosque" cd. in 123 ds. Also rcvd. a copy of the Syrian Times newspaper, sticker and schedule. (Humenyk).

TADZIKISTAN: IBC-Tamil

* 7460 and 17495 f/d ltr. w/ a new letterhead form in 9 mo. v/s K. Pillais. (Kusalik-ALB).

UKRAINE: Radio Ukraine

9810 f/d folder cd. in 22 ds. (Humenyk-ONT).

USA: WWFV 12172 f/d cd. in 21 ds. for a taped rpt. and ms. (Clement-GA). **WWCR** 15685 f/d "Globe w/ Logo" cd. in 26 ds. w/ schedule. (Humenyk). **WSHB** 9430 f/d "Antenna Field at

VERIFICATION SIGNERS: Radio Marya 7380 via **Samara** v/s Jacek Cydzyk, Director. Addr: Zwirki i Wigury 80, PL*87-100 Torun, Poland. **Radio Malawi** 3380 v/s E.K. Lungu, Controller of Transmitters. **Voice of Mongolia** 12015 v/s A. Zaya. Addr: CPO Box 465, Ulan Baatar. **Radio Melodia Arequipa** 5995 v/s Maria Cervantes Alvarez, Secretaria. **Radio San Antonio** 3375 v/s Jose Gamero, Hermano. **Radio Stardust International** 11470 via **Shortwave Relay Service** Addr: FRI, Box

إيسى نواكشوط
BUENA NOUAKCHOTT II

هنا نواكشوط
KCI NOUAKCHOTT



الإذاعة الموريتانية
RADIO-MAURITANIE

توزيع استماع
CARTE QSL

إرسال بطاقة استماع
من الإذاعة
إلى السيد/السيدة
الاسم: _____
العنوان: _____
البلد: _____
البريد الإلكتروني: _____
البريد: _____
الهاتف: _____
الفاكس: _____
البريد الإلكتروني: _____
البريد: _____
الهاتف: _____
الفاكس: _____

To: Mr. Fred White, 246 #3 Washington Drive, Littleton, CO 80120, USA
United States of America

7841 320-64 - 320-62 - 320-79
4400 - Rue de la Paix P. P. 1000 Luxembourg - Belgique
Société Royale de Radiodiffusion - Société Royale de Télévision - Société Royale de Radio

Net Notes

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

The Winter SWL Festival is just a week or so away when you read this. We had 9-inches of snow on February 22. If you are driving in, don't forget that we have live weather radar maps covering from such points as New England, Ontario, eastern Indiana, and southern Virginia. Check out the swap meet pages before you leave, and see what you need to pack in the car. The URL is www.trsc.com/winterfest.html.

If you take pictures at the 'fest and post them on the Web, be sure and tell us so we can link to them. Otherwise we can scan and post photos here.

Africa No. 1. Based in Paris and Libreville, Gabon, this popular FM and SW station has begun streaming audio on the Web. We've been listening to the African music for hours on end with nary a burp in the feed. Marvelous stuff. The station's Web site is www.africa1.com; the audio page offering RealAudio and Windows Media Player choices is www.comfm.com/live/radio/africa/. We prefer RealAudio for the richness of the sound; bookmark the audio feed directly in your player of choice so that you do not have to open the Web browser in the future.

Pirate and clandestine radio. Martin Schoech has a new edition of the

Pirate Radio Address Book 1994-2001 now available for a few IRCs, depending upon where you live. Details at listen.to/pwdb. Schoech publishes a free bi-weekly newsletter on the clandestine radio scene. Details at listen.to/crw.

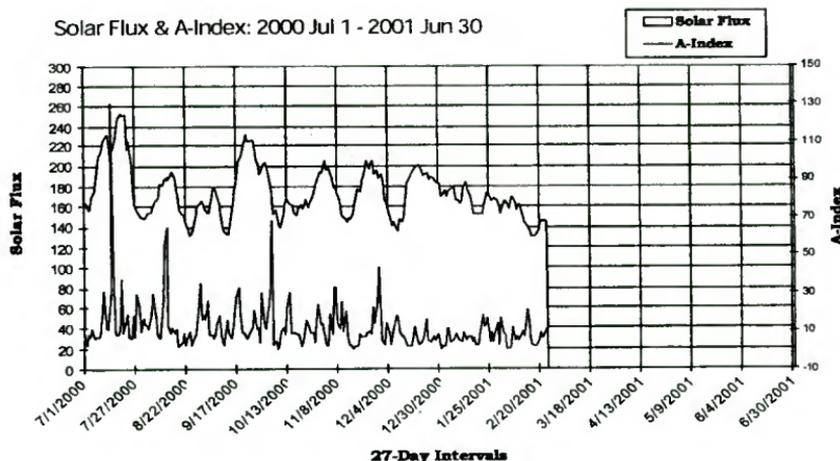
DX Newsletter. Dmitri Mezin of Kazan, Russia, has started publishing a weekly newsletter of loggings — Signals — in Russian and English. The English edition will only have logs submitted to Dmitri, so hopefully we may see loggings from Russian listeners. Check it out at listen.to/signals.

Receiver Review. We'll have the handheld Yaesu VR-500 Communications Receiver (0.1 MHz—1.3 GHz) with us at the gathering of the clan. It performs better than we expected on SW. See our new review on the Radio Netherlands' Media Network pages at www.medianetwork.nl.

Translations. Ralph Brandi tipped us off to a good translation Web site that we hadn't seen before. Lots of languages here. Do your reports at the Babylon Dictionary Converter at www.babylon.com (what else?).

The <http://> is implied in the URLs listed above. Note the listen.to URLs above are redirected to the physical Web site holding the pages.

Solar Flux & A-Index: 2000 Jul 1 - 2001 Jun 30



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
Michael BEU, Austin, TX	no equipment listed
Ralph BRANDI, Tinton Falls, NJ	AOR AR-7030, R8, 250' longwire
Bill BREEDEN, Omaha, NE	NRD-525, R390A, MLB-MK1
Paul BROUILLETTE, Geneva, IL	Drake R8, ICF2010, 60' long wire
Eric BUENEMAN, Hazelwood, MO	ATS803S, MFJ-1778, G5RV, MFJ956 tuners
Peter COSTELLO, Matawan, NJ	AR3030 DX390 YB400 70' LW Tun-4A
Rich D'ANGELO, Wyomissing, PA	Drake R8B, Lowe HF-150, DX Sloper
Walt FAIR, Maracaibo, VENEZUELA	Sangean ATS-909 Realistic ant. and LW
Marlin FIELD, MI	no equipment listed
Mark FINE, Remington, VA	Drake R8A, 150' longwire
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
George GLOTZBACH, Santa Fe, NM	R8B ARA-60
Bob HILL, Littleton, MA	Sony 2010 120' dipole at 35'
Fred KOHLBRENNER, Lansdowne, PA	Drake R8
Brian LIMBACH, Pittsburgh, PA	Kenwood R-5000, ATS-909, Sony AN1 ant
Jerry LINEBACK, Scranton, KS	Icom 746 beverage antennas
Jack LINONIS, W. Middlesex, PA	DX375, DX160A, NCX20, 65' LW Sloper
William McGUIRE, Cheverly, MD	DX-380
Bob MONTGOMERY, Levittown, PA	NRD-535D, R390A, RX320, SE3, T2FD, active ant.
Don NELSON, Beaverton, OR	no equipment listed
Ed NEWBURY, Kimball, NE	WJ-1000, R8, 60' sloper, 20' loop
Takayuki Inoue NOZAKI, Tokyo, JAPAN	NRD515 NRD535 FRG7000
Mike PACE, Tipton, IA	Drake SW2, MFJ1022
Sheryl PASZKIEWICZ, Manitowoc, WI	Sony 2010
Karl RACENIS, MI	Icom R-5000, Eavesdropper & Datong ants
Juan V. SALINAS, San Antonio, TX	Drake SW8, built telescopic whip
Todd SMITH, Norwalk, CT	no equipment listed
Ed TILBURY, Anchorage, AK	R-5000, T2FD ant
David WEINRICH, Moorhead, MN	Icom R75, dipole, LW
Fred WILLSHAW, Charlotte, NC	Drake R8B EMF indoor antenna
Gerald WITHAM, Keaau, HI	R8, 185' split LW, ANC-4

Nice turn out this month. Springtime can provide some very nice DX. Speaking of springtime, its time for the SWL Fest in Kulpsville, PA. Hope to see many of you there. Until next month, good DXing

73

Bob Montgomery



Tropical Band Loggings

Sheryl Paszkiewicz • 314 Riverview Drive, Apt 16 • Manitowoc, WI 54220 • sherpsz@aol.com

I want to say a special hello and thank you to David Martin who sent in loggings last month as a new contributor, I believe. I neglected to mention him last month. More from Don Nelson next month.

- 2310 AUSTRALIA ABC 1/27 1258 EG talk, very poor (Line-KS)
 2325 AUSTRALIA ABC 1/24 1317 EG sports, poor (Line-KS) 1/3 1026 music and call in show (Nels-WA)
 2390.1 MEXICO R Huayacocotla 2/8 0103* mariachi mx, anmts, ID, children singing (D'An-FC) 2/02 0100* mx & YL talk (Pasz-WI)
 2485 AUSTRALIA ABC 1/21 1056 OM in EG, poor (Line-KS) 1/4 0906 call in program (Nels-WA)
 3205 BRAZIL R Ribeirao Preto 2/7 2232 PT talk, Braz & Amer pop mx, W anmts 2300 but weak & noisy, //3285.5 (Kohl-FC)
 3205 NEW GUINEA R Sandaun 1/21 1108 pops, fair (Line-KS)
 3205.1 UNID 1/28 2155 voices like drama, TP, talk, occas readable, seems early for Brazil, TP don't fit Brazil. Mozambique off freq?, not hrd 3210 (Hill-MA)
 3210.1 MOZAMBIQUE R Mozambique 1/12 0305 Afr pop mx, ads, PT anmts, ID 0315 (Bran-NJ)
 3220 ECUADOR HCJB 1/21 1106 slow Quechua talk, good (Line-KS)
 3220 NEW GUINEA R Morobe 2/2 1200 conch shells, bird calls, NA (Line-KS)
 3223 INDIA AIR Shimla 1/4 1517 Hindi subcont mx, jingle, TP EG nx (Nels-WA)
 3232.2 SUMATRA RRI Bukittinggi 1/4 1442 mx pgm, IN anmts, RRI ID (Nels-WA)
 3234.9 PERU R Luz y Sonido 2/8 1010 Peruvian vocal, ID, TC 1019 (D'An-FC) Andean vocals with a couple Ids, RTTY QRM (Kohl-FC)
 3235 NEW BRITAIN Radio West 1/21 1106 lang singing under ute (Line-KS)
 3240 SWAZILAND TWR 2/3 0344 organ mx, IS once, then off (Bran-NJ)
 3255 S AFRICA BBC Relay 2/10 0405 EG pgm, Today's World (Mont-PA) 2/7 2155 News, poor (Kohl-FC)
 3260 NEW GUINEA R Madang 1/21 1105 lang singing, poor (Line-KS)
 3265 SULAWESI RRI Gorontalo 2/8 1222 RRI news theme //others (Line-KS)
 3270 USA WWFV 1/14 0458 "Herald of Truth" freq testing (Will-NC)
 3275 PAPUA R S Highlands 1/25 1151 OM in lang, poor (Line-KS)
 3279.6 ECUADOR LV del Napo 2/10 0952 mix of talk & rustic vocals, Good, Bad & the Ugly theme mx (D'An-FCDX)
 3289.9 ECUADOR R Centro 2/8 0933 long talk, Andean flutes, TC 0956, nx 1000 ID 1004, fair (D'An-FCDX)
 3310 BOLIVIA R Mosoj Chaski 2/9 0043 regional mx with brief anmts, fair (Beu-TX) 2/9 0045 talk, rustic vocals, poor (D'An-FCDX) 2/6 2351 Andean vocals, anmts, sfx and more vocals (Pasz-WI)
 3315 ADMIRALTY ISL R Manus 1/21 1103 lang singing C&W (Line-KS)
 3315 INDIA AIR Bhopal 1/4 1519 Hindi subcont mx, nx, jingle, TP 1530, into EG, Hindi 1545 (Nels-WA)
 3316 SIERRA LEONE SLBS 1/7 0659 EG nx, ID and slogan "Your Number 1 Radio Station" (Wein-MN) Tnx, Dave! 2/7 2222* EG local & regional nx poor (Kohl-FC)
 3320 S AFRICA R Sonder Grense 1/14 0330 poor with RTTY QRM, usually can enjoy late night EZL mx (Race-MI)
 3325 KALIMANTAN RRI Palangkaraya 1/27 1259 IS, news (Line-KS) 1/5 1100 mixing w/Bougainville, news, IN pops (Nels-WA)

- 3326 **NIGERIA R Nigeria Lagos** 2/1 2215 phone in pgm, gave phone number, soul music between calls (Bran-NJ)
- 3335 **TAIWAN CBS Taipei Variety Network** 2/1 2237 CH talk (Bran-NJ) 1/22 1146 OM & YL in CH, CH pops, fair (Line-KS)
- 3345 **MOLUCCAS RRI Ternate** 1/27 1210 Indo news, NA, pops, IS (Line-KS) 1/3 0938 call to prayer, IN anmts (Nels-WA)
- 3355 **BRAZIL Rdf 6 de agosto** 2/9 1016 Braz pop tunes, long talk (D'An-FCDX)
- 3355 **NEW GUINEA Radio Simbu** 1/25 1150 EG C&W, poor (Line-KS)
- 3365 **BRAZIL R Cultura** 2/9 0035 pop vocals, ID & jingle (D'An-FCDX) 2/8 2305 romantic PT vocals, ID 2307, poor (Kohl-FC)
- 3365 **INDIA AIR Delhi** 1/4 1515 //4860 exactly (Nels-WA)
- 3365 **INDIA AIR Delhi** 1/24 1316 subcont mx, poor (Line-KS)
- 3365 **NEW GUINEA R Milne Bay** 1/21 1100 OM in lang, poor (Line-KS)
- 3366 **GHANA GBC** 1/4 2358 s/off music //4915 (Nels-WA) 1/8 2215 EG nx, EZL mx and African mx, Radio 2 ID (Wein-MN) 2/9 2305 man in EG thanking listeners, Afr pops and rap (Kohl-FC)
- 3375 **BRAZIL R Educadora** 2/7 1015 ads, ID, ment Guajara Mirim (Bran) I hrd this too on 2/6-sp
- 3375 **NEW GUINEA R W Highlands** 1/21 1058 lang hymns, fair (Line-KS)
- 3375.2 **BRAZIL R São Gabriel** 2/8 0916 man in PT w/Braz pop mx, ID 0926, poor (Kohl-FC)
- 3385 **BRAZIL R Educacao Rural** 2/5 1026 PT talks, good (Line-KS) 2/8 1004 news, remote rpts, jingle 1014, ID, fair (D'An-FCDX)
- 3385 **NEW BRITAIN R East** 1/21 1057 lang pops, fair (Line-KS)
- 3395.1 **SUMATRA RRI Tanjungkarang** 2/3 1444 IN pop mx, no IS, ID, nx (Nels)
- 3905 **NEW IRELAND R New Ireland** 1/21 1057 lang hymns, good (Line-KS)
- 3976 **KALIMANTAN RRI Pontianak** 1/21 1402 Indo news, fair (Line-KS) 2/3 1440 pop music, ID, Jakarta news (Nels-OR)
- 3987.1 **IRIAN JAYA RRI Manokwari** 1/5 1005 Jakarta news, pop mx (Nels-WA)
- 4052 **GUATEMALA R Verdad** 2/9 0053 anmts w/guitar instl mx, strong (Beu-TX) 2/9 0116 lite instl mx, woman w/religious message (Kohl-FC)
- *4300 **PERU Rdf Comercial** 2/10 1058 Peruvian mx, nice signal until ID time (Mont-PA) 2/9 1055 rustic vocals, anmts, ID (D'An-FC)
- 4319U **DIEGO GARCIA AFN** 2/9 2145 rock mx, ID, CBS news, PSAs, tnx Kohl. (D'An-FCDX) 1/4 1623 rock countdown pgm, not //others (Nels-WA) 2/9 2104 pop & C&W mx, AFN ID 2200, nx on OJ's latest arrest (Kohl-FC)
- 4388.9 **PERU R Imperio** 2/8 0940 talk b4 live audience, vocal, ID, TC (D'An-FC)
- 4461.2 **PERU R Norandina** 2/8 1105 anmt, TC, ID, Peruvian mx (D'An-FC)
- 4485 **RUSSIA Radio Rossii** 2/8 0240 music, talk, TP, mx in RS (Bran-NJ)
- 4552.3 **BOLIVIA R Tropicico** 2/8 2316 messages, talk, ID, fair (D'An-FCDX)
- 4606 **IRIAN JAYA RRI Serui** 1/25 1204 YL with news, fair (Line-KS)
- 4635.1 **TAJIKISTAN R Dushanbe** 2/7 2357 Turkic mx, silence for a minute ID Injo Dushanbe, music, possible news, talk (Bran-NJ)
- 4681.5 **BOLIVIA R Paititi** 2/9 1041 nice vocals, talk, poor (D'An-FCDX)
- 4750.1 **PERU R San Francisco** 2/08 1109 typical Peruvian tunes, vocals, flute mx rapid fades (Mont-PA) 2/6 2256 vocals, 2300 ID, anmts (D'An-FC)
- 4752.8v **PERU R Huanta 2000** 2/8 2340 talk, ID, rustic mx, poor (D'An-FC)
- 4753.3 **SULAWESI RRI Makassar** 1/21 1358 Indo pops, good (Line-KS) 2/9 2233 IN talks, remote feed, vocals (D'An-FC)
- 4754.7 **BRAZIL R Educacao Rural** 2/5 1028 indigenous singing, good (Line-KS)
- 4760 **INDIA AIR** which one? 2/4 1350 subcont mx, not //after 1430 (Nels-OR)
- 4760 **LIBERIA ELWA** 2/1 2133 American rel pgm, gospel mx, thanked listeners, NA & off (Bran-NJ) 1/7 0604 EG religious mx, ID "ELWA, your good friend station" (Wein-MN)
- 4770 **NIGERIA R Nigeria** 1/5 0515 EG nx, ads, "National Service of Radio Nigeria, radio for the millennium" (Wein-MN)

- 4775 **INDIA AIR Imphal** 1/4 1515 Hindi nx //others, EG nx, subcont mx (Nels)
- 4775t **SWAZILAND TWR** 2/9 0418 religious pgm in GM, weak (Beu-TX)
- 4789 **IRIAN JAYA RRI Fak-Fak** 1/25 1204 YL with news, poor (Line-KS)
- 4790 **INDIA AIR Chennai** 1/4 0035 subcont music (Nels-WA)
- 4796.5 **BOLIVIA R Mallku** 2/8 1023 group vocals, long talk, 1027 ads, ID, long talk, poor & swishing noise (D'An-FCDX)
- 4800 **INDIA AIR Hyderabad** 1/4 1540 EG nx, jingle, subcont mx (Nels-WA)
- 4800 **LESOTHO R Lesotho** 2/6 2159* lively vocals, talk, cut mid-song (D'An-FC)
- 4800.8 **MEXICO XERTA** 1/21 1120 SP talk, ranchera mx, good (Line-KS)
- 4800.8 **PERU R Oriental** 2/10 1034 clear Ids, continuous Peruvian mx (Mont-PA) 2/10 1029 nice Andean vocal, frequent ID & talk abt Napo music (D'An-FC)
- 4801.8v **BOLIVIA R Mamore** 1/26 1050 boleros, ID 1102, poor modulation (TIN-JP)
- 4815 **BRAZIL Rdf Londrina** 2/7 0016 anmts, ID & vocals (Pasz-WI)
- 4820 **HONDURAS LV Evangelica** 1/21 1018 frequent IDs and promos in SP, fair (Buen-MO)
- 4820 **INDIA AIR Calcutta** 2/4 1350 subcont mx in HD, EG nx 1430 (Nels-OR)
- 4840 **INDIA AIR Mumbai** 2/8 0032 EG news //4860, talk, HD vocals, booming sig at 0149 recheck (D'An-FC) 1/4 1515 HD subcont mx, HD nx 1515, jingle & TP 1530, EG nx by YL (Nels-WA)
- 4844.9 **GUATEMALA R Kekchi** 2/8 1205 prayer, ID 1210, soft vocals, fair (Kohl-FC)
- 4850 **CHINA CPBS Beijing** 2/14 CH 1240 talk, vocals, TP, anmts (Pasz-WI)
- 4850 **INDIA AIR Kohima** 2/3 0042 vocals, no ID but familiar pgm pattern (D'An)
- 4850 **UZBEKISTAN R Tashkent** 2/8 0244 nice vocals, instl mx, Tashkent IS repeated twice 0259, ID, news (D'An-FC)
- 4855.6 **PERU R La Hora** 2/8 1014 Peruvian vocals, Tcs, ID 1019 (D'An-FC) 2/8 1029 mix of Andean vocals & soft inst mx (Kohl-FC)
- 4860 **INDIA AIR Delhi** 2/8 0030 EG nx by YL, ID, Hindi vocals (D'An-FC) 1/4 1530 EG nx, jingle, subcont music (Nels-OR)
- 4865.1 **BRAZIL R Verdes Florestas** 2/8 1032 piano music incl Yesterday, complete ID & frequency 1039, 1051, 1101, rel talk, mx (D'An-FCDX)
- 4875 **BRAZIL R Roraima** 2/7 1025 mx, ID 1033 & QTH (Bran-NJ) 2/8 0932 Braz mx w/TC and ID 0942, fair (Kohl-FC)
- 4876.8 **BOLIVIA R La Cruz del Sur** 2/7 1034 mx, ID, weak (Bran-NJ) 2/9 2325 long talk, ID, group vocals, fair (D'An-FCDX) 2/7 2320 man in SP between musical segments, ID (Kohl-FC)
- 4881.1 **PERU R Comas** 1/31 2358 mx, frequencies, Ids, talk, more mx (Bran-NJ) 2/16 1032 shouted anmts, ID, instl mx (Pasz-WI)
- 4890 **PAPUA NBC** 1/11 1239 program of music, fair to poor (Will-NC) 2/6 1139 C&W, good (Line-KS)
- 4890.2 **PERU Radio Chota** 2/1 0015 mx, talk, 2 IDs (Bran-NJ) 2/8 0101* talk, ID flute segments, s/off anmts, instl mx (D'An-FC) 2/8 0027 vocals, talk and echo ID 0030 (Kohl-FC)
- 4895 **INDIA AIR Kurseong** 1/21 1430 mixing w/Malaysia, subcont mx, jingle, Hindi poss nx (Nels-OR)
- 4900p **CHINA Vo Strait** 1/5 1535 //6115 CH pgm, other CH strong today (Nels-WA)
- 4904.7 **PERU R La Oroya** 2/8 1048 Andean mx, nx 1052, ID 1057 (Kohl-FC)
- 4910 **AUSTRALIA ABC** 1/5 0823 phone calls hosted by Linda, off 0830 (Nels-WA)
- 4910 **INDIA AIR Jaipur** 1/4 1509 subcont mx, ad, jingle, TP, news (Nels-WA)
- 4914.7 **PERU R Cora** 2/9 1035 SP vocals, ID 1043, poor (Kohl-FC)
- 4915 **BRAZIL R Anhanguera** 1/17 0044 OM & YL talk, ID 0120 (Will-NC)
- 4920 **INDIA AIR Chennai** 2/8 1220 talking, TP 1230, ID, news (D'An-FC) 2/14 1247 Hindi talk but ment India, subcont vocals (Pasz-WI)
- 4925 **SUMATRA RRI Jambi** 2/4 1350 Indo pops, fair (Line-KS) 2/8 2244 YL vocals, ID 2254, IS 2259 (D'An-FC)
- 4926.6 **BOLIVIA R San Miguel** 2/5 1032 SP talk, mx, poor (Line-KS)

- 4930.1 **DOMINICAN REP R Barahona** 2/3 0055 ballads, anmts, ID, call-in (Nels-OR)
- 4944.8 **BRAZIL Emissora Rural** 1/28 0302*, s/off anmts, & off (D'An-PA)
- 4950 **ANGOLA R Nacional** 2/7 2315 mx, ID 2323, talk, Western pop (Bran-NJ)
- 4950 **KASHMIR AIR Srinagar** 1/15 0140 Hindi anmts, film mx, subcont mx, anmts in Hindi (Nels-OR)
- 4950.1 **PERU R Madre de Dios** 2/8 1058 SP Peruvian vocals, muffled (Kohl-FC)
- 4960 **INDIA AIR Ranchi** 1/4 1551 Hindi OM (Nels-WA)
- 4960 **SÃO TOME VOA Relay** 1/27 *0457 IS, ID in Hausa, fair (D'An-PA)
- 4960 **VANUATU R Vanuatu** 2/7 1047 mx, nx 1100, poss ID 1116, NA as heard on website (Bran-NJ)
- 4965 **ZAMBIA Christian Voice** 2/4 0240 Christian pgm, ID 0241, addr in Zambia intl addr, contemporary Christian mx (Bran-NJ) You give good detail- sp
- 4970 **INDIA AIR Shillong** 1/5 1530 EG nx, subcont mx, jazz 1600, 1629 site ID (Nels-WA)
- 4976 **UGANDA R Uganda** 2/9 2101* music pgm, anmts, ID, NA (D'An-FC) 1/7 0310 rel pgm in lang, EG nx, ID and ebola anmts (Wein-MN) 2/7 2101* hilife mx, talk in SH, sev Ids, poor (Kohl-FC)
- 4990 **INDIA AIR Itanagar** 2/11 1449 subcont mx, Hindi anmts (Nels-OR)
- 4990.9 **SURINAM R Apintie** 1/17 0530 R&B tunes, talk in EG, ID 0532, theme from MASH (Kohl-PA)
- 4992.5 **PERU Radio Ancash** 2/7 1122 fiddle mx, Ids, TC, mx (Bran-NJ) 2/8 0943 SP Andean vocals, poor (Kohl-FC)
- 4995.6 **PERU Radio Andina** 2/10 1026 rustic huaynos, full ID 1030 (D'An-FC)
- 5000 **AUSTRALIA VNG** 1/6 0830 EG anmts every minute, mixing with JJY, WWV, WWVH, no YVTO (Nels-WA)
- 5009.6 **MADAGASCAR R Madagasikara** 2/4 0301 ID, church service with choir (Bran-NJ) 2/8 *0255 IS, NA w/children singing, W anmts, African vocals (Kohl-FC)
- 5009.8 **DOMINICAN REP R Cristal** 2348-0102* vocals, ment Dominican Rep, gave Cristal & Pueblo ID's (Kohl-FC)
- 5010 **INDIA AIR Thiru.** 2/3 0039 HD vocals, fair (D'An-PA) 1/4 0042 subcont mx pgm (Nels-WA) 1/19 0023 local mx, HD talk, EG ID & nx 0035 (Kohl-PA)
- 5010 **UNID** 1/22 1220 SP ment R Nueva Minyana and San Antonio (Line-KS)
- 5015 **TURKMENISTAN R Bakhara** 1/16 0124 local inst & vocals, talk & ment Turkmenistan, 0200 ID (Kohl-PA)
- 5019.9 **PERU R Horizonte** 2/8 0045 Andean vocals, Tcs, children prayer (Kohl-FC)
- 5020 **NIGER LV du Sahel** 2/7 2103 local stringed inst mx, occasional comments by M in lang (Kohl-FC)
- 5025 **BENIN R Parakou** 2/3 2129 ID Radio Benin, mx, ment Parakou (Bran-NJ)
- 5026 **UGANDA R Uganda** 2/6 0402 stately mx, news rpt, ment intl tribunal on Rwanda, ment Uganda, EG anmts, ads (Bran-NJ)
- 5039.2 **PERU R Libertad** 2/9 1056 Andean vocals, talk (Kohl-FC)
- 5040 **UNID** 1/21 1450 not India but in lang, possibly Georgia (Nels-OR)
- 5047 **TOGO Radio Lome** 1/13 2215 mx & talk, noisy & poor (Will-NC)
- 5050.1 **TANZANIA R Tanzania** 2/6 0333 news rpts, ID in SH, mx, IS, TP (Bran-NJ)
- 5054.6 **COSTA RICA Faro del Caribe** 1/28 0316 continuous rel music, long talk SP, fair, poor modulation (D'An-PA)
- 5075 **CHINA Vo Fujiang** 2/4 1359 //3280, 4950, ID 1400, pop mx (Nels-OR)
- 5100 **LIBERIA R Liberia** 1/31 2227 pop & rap music, ID, TC (Bran-NJ) 1/8 2230 EG talk, mx poss request pgm, ID (Wein-MN) 1/17 0000* mx, talk by W, anthem (Kohl-PA)
- 5500 **ETHIOPIA Vo Tigray Revolution** 1/5 1616 //6315 lang pgm (Nels-WA)
- 5678 **PERU R Ilucan** 2/1 0028 mx, anmts, ID 0131 finally (Bran-NJ)
- 5745 **USA WHRI** 1/8 0855 Shepherd's Chapel broadcast, legal ID in EG, fair (Buen-MO)
- 5755 **USA KAIJ University Net** 1/1 0910 Dr. Gene Scott, jazz interlude in EG, vy good (Buen-MO)
- 5765U **GUAM AFN** 1/8 0901 CNN News and Dept Defense PSAs, fair (Buen-MO) 

International Band Loggings

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- 5915 **RUSSIA Sentinel BC of Christian Science** relay Vladivostok in EG 1206-1257*, Bible lesson, //9880 Komsomolsk relay (Field MI 1/24)
- 59524 **BOLIVIA Emisoras Pio Doce R** in SP 1016, newscast, canned ID 1027, f (Nozaki JP 1/20) ED: 1 kw!
- 5940 **RUSSIA VOR Armavir** relay in EG 2100, nx, "New Market" feature, //7300, 9890, f-g (Boynton MA)
- 5945 **AUSTRIA ORF Vienna** in GM 2330, "Klassiknacht" pgm of classical mx, vg (Brouillette IL 1/9)
- 59483v **GUYANA VO Guyana** in EG 0832-0940, soft SP vcls/instrum'ls, chatter, ID's, military type mx, ads, "Early Bird Show", audio muffled at t/in (Kohlbrener PA 1/19, Weinrich MN 2/1)
- 5960 **GERMANY D Welle Wertachtel** in EG 0537, feature on "Living in Germany" (Limbach PA 1/5)
- 5985 **CONGO RTV Congolaise Brazzaville** in FR 2145, African mx, ID (Weinrich MN 12/21)
- 5995 **MALI RTV Malienne Bamako** in FR 2155, west African pop mx, //4783 (Brandi NJ 1/10)
- 6020 **TURKEY VoT Ankara** in EG 2310, ID, rpt on Armenian massacre, review of TK press (McGuire MD) in EG 0426, "Letter Box", suggestions by E-mail on optimum best times (Salinas TX 2/2)
- 6030 **INDIA AIR Delhi HD?** 1214, IS, directly into Eastern-style mx, over CNR (Brandi NJ 1/30)
- 6045nf **GERMANY Hamburger Lokal R** via Juelich in GM *1000, many ID's, jazz mx, interview, fair sig at tune in but deteriorated rapidly (D'Angelo FCDX-PA 2/10)
- 60456 **PERU R Santa Rosa Lima** in SP 0920, Latin vcls, echo ID 0936, tlks, wiped out by Hamburger Lokal R at *1000, f-p (Kohlbrener PA 1/19, D'Angelo FCDX-PA 2/10)
- 6055 **RWANDA R Rwanda** Kigali in EG 2057-2107*, speech by Pres Kagame, cmntry, NA (Brandi NJ 1/30)
- 6055 **SLOVAKIA RSJ** in Slovak 1630, IS, nx?, hrd under Rwanda, //7345 under Beijing (Witham HI 12/30)
- 6080 **AUSTRALIA RA Shepparton** in EG 1615, Brazilian vcl mx, TC, guitar mx, ID, f (Witham HI 1/6)
- 6085 **GERMANY Mitteldeutscher Rundfunk** in GM 0215, Bavaria wx rpt, TC, nx (Paszkievicz WI 1/24)
- 6100 **LIBERIA R Liberia Int Monrovia** in EG 0710, tlk, pop mx, tlk over mx, interview, p (Witham 12/28)
- 6110 **CANADA R Japan** relay Sackville in EG 0510, Asian nx, Japan society as a whole lacks internet, rock mx JP style (Newbury NE 1/8, Limbach PA)
- 6110 **ASCENSION ISLAND RAI Italy** relay in IT 0130, IS, ID, fqy, sked, nat'l nx, f (McGuire MD 1/30)
- 6115 **ALBANIA R Tirana** in EG 0330, nx, press review, native mx, mailbag, g-f (Bueneman MO 1/10)
- 6125 **SOUTH AFRICA UN Radio** relay via Meyerton in EG 1745, tlk on health care, sked, ID, QTH, mx, into BBC world service relay, p (Witham HI 1/9)
- 6150 **COSTA RICA World University Network** in EG 0352, preaching by Dr Gene Scott (Paszkievicz 1/23)
- 6155 **BOLIVIA R Fides La Paz** in SP 1105, newscast "La Hora del País", f (Nozaki JP 1/26)
- 61738 **PERU R Tawantisuyo Cusco** in SP 1040, ID over vcls, long tlk by YL, p (D'Angelo FCDX-PA 2/10)
- 6180 **CYPRUS CBCC Zeyeh** in GK *2113-2145*, guitar IS, ID, nx, vcl, //7205 (Kohlbrener FCDX-PA 2/9)
- 6245nf **RUSSIA R Radonezh** in RS 2001*, vcl, tlk, fanfare, quick ID, abrupt off, p (D'Angelo FCDX-PA 2/9)
- 6265 **ZAMBIA ZNBC Lusaka** in Vern 0345, ID "Radio One, Zambian NBC", nx (Weinrich MN 1/5)
- 64585usb **PUERTO RICO AFN Radio** relay in EG 0333, fishing for northern pike using firearms (Newbury 1/17)
- 65358 **PERU R dif Huancabamba** in SP 0003-0010*, excited anncr, Andean harp w/rustic vcls, pop mx, echo ancmts, ID, abrupt s/off, f-p (Brouillette IL 1/17)
- 7110 **TUNISIA RTV Tunisienne Sfax** in AR 0415, AR chants, ME mx, tlks, f, //7275 (Tilbury AK 1/28)
- 7115 **SRI LANKA VOA** relay in EG 0100, TC, ID, "News Now", rpt on earthquake, g (McGuire MD 1/16)
- 7125 **MOLDAVA VO Russia** relay in EG 0420, tlk on ecology, classical mx, f, //7180 (Tilbury AK 1/28)
- 7190 **MOROCCO R Liberty** relay in Tatar Bashkir 0440, 2 YL's in discussion, //7255 (Tilbury AK 1/28)
- 7210 **BELARUS R Belrus Minsk** in Belaus 0510, tlk re Bosnia, Chechnya, & UN (Linonis PA 1/11)
- 7225 **PORTUGAL D Welle** relay in EG 0606, "Weekend Review" feature (Limbach PA 1/7)
- 7250 **VATICAN STATE Vatican R** in EG 0610, "Local Scenes, Naples" featura (Limbach PA 1/5)

- 7255 **NIGERIA V of Nigeria** in EG 0450, nx, brief segments of native drums, pop mx, vg (Tilbury AK 1/28)
- 7265 **GERMANY Sudwestrundfunk** Stuttgart in GM 0445, lite pops, nx, f/o 0510, f-p (Tilbury AK 1/28)
- 7285 **GERMANY D Welle Wertachtel** in EG 0200, IS, ID, rpt on peace tlks, g, //9765 (McGuire MD 1/9)
- 7315 **RUSSIA R France Int** relay Vladivostok in Mandarin 2246-2300*, ID 2248 (Field MI 1/15)
- 7325 **AUSTRIA RAI** Vienna in EG 0229, Strauss waltz IS, ID's in multiple langs, "Letter from Austria" re beef and mad-cow disease (Racenis MI 1/14)
- 7400 **BULGARIA R Bulgaria Int** in EG 0325, "The Way We Live", "Time Out for Music", f (Boynton MA)
- 7420nf **RUSSIA World Beacon** relay via Krasnodar in EG 2015-2100*, contemp Christian mx (Field MI 1/23)
- 7500 **BULGARIA R Bulgaria** in EG 2230, feature on elec production, mail, folk mx (Brouillette IL 1/21)
- 9355 **USA R Taipei Int** relay Okeechobee in EG 2215, tlk re CH New Year & CH Zodiac (Linonis PA 1/20)
- 9400 **BULGARIA R Bulgaria Int** in EG 0345, mailbag, Bulgaria happy with number of medals won at the Sydney Olympics (Boynton MA, Newbury NE 1/6)
- 9420 **GREECE VOG** Kavalla in GK 2230, lively GK mx, ID "Elleniki Radiofonika Teleorasi" (Linonis 1/20)
- 94897v **GEORGIA R Republic Abkhazia** Sukhumi in RS 0327, male vcl, ancmts, ID 0330, nx?, frequent ments British Airways, mx, gone w/0400 RTBF s/on (Kohlbrenner, Montgomery, D'Angelo FCDX-PA 2/9)
- 9495 **SWEDEN R Sweden** in EG 0230, IS, ID, fqy, sked, "60 Degrees North" (McGuire MD, Limbach PA)
- 9535 **SLOVAKIA R Slovakia Int** in RS 1615, tlk, childrens' mx, ID, p, //11990 also p (Witham HI 12/30)
- 9540 **POLAND R Polonia** in EG *2029, ID's, "News From Poland" w/item on compensation for Nazi slave laborers, "Business Week" & "Postbag", wx rpt, IS 2059* (Kohlbrenner, Montgomery FCDX-PA 2/9)
- 9555 **SAUDI ARABIA BSKSA** Riyadh in AR 2230, nx, tlk re upcoming OPEC meeting (Linonis PA 1/20)
- 9570 **ROMANIA RRI** in EG 0400, tlk re speeches by Pope John Paul & Yugoslavian PM (Linonis PA 1/14)
- 9615 **MOROCCO VOA** relay in Croatian 0530, ID, national nx, Clinton soundbite, p (McGuire MD 1/19)
- 9625 **BOLIVIA R Fides** La Paz in SP 1107, nx bulletins, wx rpt for Bolivia, f (Slaen ARGENTINA 2/13)
- 9645 **SRI LANKA VOA** relay in EG 1630, "VOA News Now", "Press Conference USA" (Paszkiwicz WI)
- 9650nf **GABON R Japan** relay in FR? 0258, "Sayonara" at 0259, into JP pgming 0300 (Costello NJ 2/13)
- 9655 **TURKEY VoT** Ankara in EG 2301, ID, sked, nx, TK press review, //6020 (McGuire 1/8, Fraser 1/18)
- 96653 **NORTH KOREA KCBS** in KR 0203, typical ranting, choppy signal, //116798, both poor (Hill MA 2/2)
- 9750 **SRI LANKA VOA** relay in Urdu/Pushto 0130, end of Urdu svce, fqy, ID, into Pushto (McGuire 1/18)
- 9775 **BOTSWANA VOA** relay in EG 0505, rpt on Mideast tlks, ment OPEC, ID, p (McGuire MD 1/18)
- 9795 **PHILIPPINES FEBC** in Laotian *2230, IS, canned ID's in EG, f, choppy signal (Hill MA 1/28)
- 9835 **HUNGARY R Budapest** in EG 0215, DX pgm w/rpts from USA, Finland, Russia, ID (Racenis MI 1/14, Linonis PA 1/14) in EG 0345, feature on Crime Stopper units in Hungary (Newbury NE 1/16)
- 9865 **GUAM KTWR** Trans World R in CH 0940, sermon, instrum'l relig mx, f (Kohlbrenner FCDX-PA 2/9)
- 9870 **SAUDI ARABIA BSKSA** Riyadh in AR 2045, "soap opera" radio play, mx bridges (Fraser MA 1/18) in AR 2245, tlks, Koran chants, ID, NA at 2300 s/off, g (McGuire MD 1/15)
- 9885nf **UZBEKISTAN Vatican Radio** relay Tashkent in Hindi 1445, IS, into Tamil 1510, p (Field MI 1/17)
- 9940nf **RUSSIA World University Network** relay Samara in EG 0130, Dr. Scott sermon, p (Field MI 1/27)
- 11605 **ISRAEL Kol Israel** Tel Aviv in EG 1700, ID, TC, rpt on peace tlks, ment Clinton, f (McGuire 1/18)
- 11630 **CHINA CNR Beijing 1** Lingshi in CH 2337, tlks w/laughter, ID's in CH/EG, pips 2400, NA, into Minorities service in Uighur?, nx, ID's after each item (Brouillette IL 2/2)
- 11655 **MADAGASCAR R Nederlands** relay in EG 1815, feature on clock making, Qatar buried (Fraser MA)
- 11680 **UNITED KINGDOM BBC** Rampisham in EG 2130, "Calling the Falklands", spec pgm for the region xmt'd only on Tues and Fri's (Boynton MA)
- 11734 **TANZANIA R Zanzibar** in SH 1950, AR flavored vcls, tlks, ID (Kohlbrenner PA 1/17, Boynton MA)

- 11750 NETHERLANDS ANTILLES *D Welle* relay in EG 0300, IS, ID, rpt on ME peace tlks (McGuire 1/18)
- 11765 SOUTH AFRICA *BBC* relay Meyerton in EG 0353, "Network Africa" feature (Limbach PA 1/5)
- 11785v IRAQ *R Iraq Int* in AR 0215, Koran chants (Linonis PA) in AR 1820, mx, ID, choppy (Brandi NJ 1/29)
- 11785 PORTUGAL *Deut Welle* relay in GM 2200, IS, ID, rpt on Bush's inauguration, g (McGuire MD 1/20)
- 11865 SOUTH AFRICA *BBC* relay in SH 0300, pips, ID, African svce, mention the Congo, g (McGuire 1/19)
- 11870nf NO MARIANAS *KFBS* Saipan in EG *1000, flute IS, ID, Bible pgm, f (Kohlbrenner FCDX-PA 2/8)
- 11890 CHILE *La Voz Cristiana* Santiago in SP 0900, ID, fqy, sked, promos, relig mx, f (Bueneman MO 1/21)
- 11965 SRI LANKA *D Welle* relay in EG 0205, rpt on earthquake in Cent Amer, ID, nx review (McGuire 1/15)
- 11970 JAPAN *R Japan* Tokyo in EG 1705, mx "Swanee River" in EG & JP, p, //9505 (Witham HI 12/31)
- 13640nf MADAGASCAR *R Canada Int* relay in EG 1812, nx, tlk re Federal help for homeless Indians in Northern Ontario, g (Fraser MA 1/12)
- 13660nf NETHERLANDS ANTILLES *RVI Belgium* relay in EG 2230, IS, ID, pips, rpt on housing, cmntry on European Union, g (McGuire MD 1/8)
- 13695 THAILAND *R Thailand* Udon Thani in EG *0030, clock chimes, ID, Thai mx, business, social, and sports nx w/many US-related items, strong but fluttery sig (Brouillette IL 2/3)
- 13765 SWEDEN *R Sweden* in SW 1647, nx, mention of Arafat, bells IS, mx, g, //15495 (Witham HI 12/30)
- 13860usb ICELAND *Rikisutvarpid* Reykjavik in IC 1835-1903*, mx, nx, tlk, rpt, more tlk, p (Witham 1/20)
- 13780 GERMANY *D Welle* Wertachtel in GM 1658, coverage of Bush inauguration in GM (Newbury 1/20)
- 15105 GERMANY *Good News R* relay via Juelich in EG 1608, contemp relig mx, tlk, ID (Paszkievicz 1/27)
- 15110 KUWAIT *R Kuwait* in EG 0510, tlk on architecture in Kuwait, US pop rx (Linonis PA 1/11)
- 15180 NORTH KOREA *R Pyongyang* in EG 0000, choral mx, into "nx", //11710, 13760, f-f (Boynton MA)
- 15225 SOUTH AFRICA *Adv World R* relay in Vern 0530, mx, ID in EG, "Voice of Hope" (Limbach PA 1/5)
- 15230 SAUDI ARABIA *BSKSA* Riyadh in AR 2217, Holy Koran w/recitations (Brouillette IL 1/27)
- 15280 THAILAND *BBC* relay in EG 0145, tlks re relig beliefs, travel in AK (Linonis PA 1/14, Limbach PA)
- 15305 SRI LANKA *VOA* relay in EG 2243, "On the Line", tlk re new US administration, g (Brouillette 1/27)
- 15335 PHILIPPINES *R Veritas Asia* in Urdu 0200, ezl mx, ID (Paszkievicz WI 1/24)
- 15345v ARGENTINA *R Nac* Buenos Aires in SP 2312, tlk re local café where famous artists used to hang out, ID (Brouillette IL 1/27) in SP 0200, pop Latino mx, fading in and out, fqy drift (Linonis PA 1/14)
- 15375v OMAN *R Sultanate of Oman* in AR 1730, ID, tlk over mx, discussion, hrd over WEWN but gradually lost ground, f (Witham HI 12/31)
- 15420 SOUTH AFRICA *BBC* relay in EG 1800, ID, TC, pips, rpt on earthquake, g (McGuire MD 2/5)
- 15470 RUSSIA *VOR* relay Komsomolsk in EG 0235, "Moscow Yesterday and Today", p (Boynton MA)
- 15485nf GERMANY *United Methodist Church Global Ministries* relay via Juelich in EG *1700, QTH in NY, tlk on Africa, ID, rpt on restricting small arms, s/off 1854*, //13810 (Witham HI 1/5, Field MI 1/19)
- 15535v SEYCHELLES *FEBE* in AR 0356, tlks w/classical & modern musical backgrounds (Costello NJ 2/13)
- 15575 SOUTH KOREA *R Korea Int* in EG 0245, tlk abt shopping & shopping centers in Korea, nx, features on Korean films, youth smoking, internet use etc. (Racenis MI 2/1, Brouillette IL 2/2)
- 15820lsb ARGENTINA *R Continental* Buenos Aires in SP 0001, mx, ID 0003, into nx, f (Kohlbrenner PA 1/18) in SP 0953, US rock 'n roll of the 60's, nx 1000 "Servicio Informativo Continental" (Nozaki JP 1/21)
- 17630 GABON *Africa #1* in FR 1415, Afro pop mx, live bcst celebrating station anniversary, interview on stage w/periodic chants from large audience (Brandi NJ 2/7)
- 17660 ECUADOR *HCJB* Quito in EG 2000, "Adventures in Odyssey", //21455, g (Fraser MA 1/17)
- 17675 NEW ZEALAND *RNZI* in EG 0235, comedy, satire on classical and Broadway mx (Salina: TX 2/2) in EG 0332, mailbag pgm, "World in Sport" re NZ rugby team in World Cup finals (Racenis MI 1/14)
- 17715 AUSTRALIA *R Australia* in EG 2312, nx feature by YL w/OM anchor, //21740 (Costello NJ 2/11)

- 17835 **RWANDA Deut Welle** relay in EG 2130, feature on "Water 2000", nx, ID, feature "Living in Germany" tlk abt depleted uranium used in shell casings in Bosnia (Linonis PA, McGuire MD, Boynton MA)
- 21590 **GERMANY IBC Tamil** relay Juelich in Tamil 1320, ID's in EG, Star Wars mx (Brandi NJ 2/7)
- 21740 **AUSTRALIA RA** in EG 0040, feature on using fiction to address issues of human reproduction, f (Bueneman MO 1/22) in EG 2150, tlk abt cattlemen's rally in Queensland & NSW (Linonis PA 1/15)

Clandestine, Tentative, Presumed, or Unknown

- 5025 **BOLIVIA R Illimani** La Paz(t) in Aymara 1011, Andean mx, nx abt Santa Cruz de la Sierra, ancmts by YL, f (Slaen ARGENTINA 2/13)
- 50639v **BOLIVIA R Mauro Nunez**(p) Villa Serrano in SP 1030, vcl folk songs , tlk, no ID (Nozaki JP 1/20)
- 5230 **RUSSIA R Gardarika**(t) in RS *1900, ancmts almost shouted over mx, hardly readable except for a few words in RS, into rock vocal 1915, weak signal, QRN, supposed to be 1st day on air (Hill MA 2/16)
- 62338 **COLOMBIA Clandestine LV de la Resistencia** in SP 1137-1151, male vocal, ID, long patriotic tlk, p (D'Angelo PA 1/29)
- 6570 **MYANMAR**(p) **Myanmar Defense Forces**(p) in Burmese? 1353-1540, mix of US and SE Asia pop mx, OM annrc, great improvement in signal strength after 1440 (Nelson OR 2/3)
- 69502 **UNIDENTIFIED** from 0436-0445*, vocals, brief siren, mx, carrier cut, w/o ancmt (D'Angelo PA 1/29)
- 6995 **IRAQ Clandestine V of the People of Kurdistan** in AR/Kurdish 0330-0405, tlk, ID 0339, Mid-East mx, nx(p), no sign of jamming (Costello NJ 2/13, Tilbury AK 1/28, Kohlbrenner PA 2/8, Field MI 1/24)
- 7072 **SOMALIA (t) R Bananadir**(p) in Somali(p) 2030-2105*, jammers finally off by 2058, tlks in Somali? brief mx segments, strong carrier but weak audio (Montgomery PA 2/8, Kohlbrenner FCDX-PA 2/8)
- 7100 **IRAN (t) CLANDESTINE VO Islamic Revolution of Iraq**(t) in AR 0410, typical mid-eastern mx, tlk by YL, heavy ute QRM, weak to fair (Tilbury AK 1/28)
- 7100 **ERITREA VO Broad Masses** Asmara in Tigrinya 1740, YL w/great Ethiopian mx, OM w/impassioned speech, march-like NA 1829, xmtr off 1832, weak to fair (Tilbury AK 1/28)
- 7185 **SRI LANKA R Free Asia** relay in Khmer 2256, tlks past 2300, no break on the hr, //7530 (Kazakhstan relay), 9930 (Palau relay) and 15485 (Tinian relay), crisp audio all channels (Hill MA 2/6)
- 7357 **ALGERIA CLANDESTINE National R of the Saharan Dem Rep** in AR/FR? 2115-2200, AR mx, nx(p) ment of Arafat, Bill Gates several times, ID's, long tune (Montgomery, Kohlbrenner both FCDX 2/8)
- 9515 **ITALY (p) RAI Radiouno** Sicily in IT 1912, phone interview, tlks, mx bridges, ads/promos(p), ID(p), very weak and mixing with co-channel O/C, f/o 1930, only 5 kw (Hill MA 2/10)
- 9765 **IRAN (t) VOIRI** Teheran(p) in Farsi 1720-1725*, tlk, mideast mx, ments of Iran (Witham HI 1/17)
- 11905 **UNIDENTIFIED SITE FEBC** in sub-cont lang 0110, various Christian pgms, lots of Indian mx as filler ID'd as "Far East Broadcasting Corporation", exc signal over S-9 (Brouillette IL 2/2)
- 11930 **JORDAN (t) R Jordan**(t) ub AR 0235, softspoken OM, mideast mx, pips, ID?, nx, jammer (Witham 1/5)
- 15135 **UNIDENTIFIED** in EG 1930, lots of nx, discussions re various African nations (Linonis PA 1/15) ED: Undoubtedly the Deutsche Welle relay from Kigali, Rwanda listed in EG 1900-1945 this fqy.
- 15320 **MADAGASCAR V of Hope** in EG 0510, interview of African-accented OM abt importing goods from Uganda to Sudan & building houses, nx, ID, IS, //12060, Sudan humanitarian semi-clandestine xmsn via R Netherlands facilities, hrd Saturdays only (Brandi NJ 2/3)

REMINDER: Please see my note on need for early submittal of loggings next month (Page 35 Feb issue)



14th Annual Winter SWL Fest

Sponsored by **NASWA**

March 9-10, 2001

Best Western—The Inn at Towamencin
(formerly Holiday Inn),
Sumneytown Pike, Kulpsville, Penna.

Plan to attend your favorite forums Friday and Saturday. Enjoy meeting with your friends in the Hospitality Room. Bring radio related items for the swap meet or to donate for the Silent Auction. Check out your friends' receivers, bring one of your own for others to try!

No frills; just shortwave, longwave, mediumwave, pirates, and scanning. Once again you will enjoy the camaraderie of your hobby friends.

The new year brings a few changes to the 'Fest. First is that the name of the hotel has changed. The location and staff are still the same, however, and so, presumably, is the excellent service we get every year. Second, lunch on Saturday has been upgraded to a pizza & salad buffet. Third, there is now an incentive for you to pre-register, as prices are more expensive for those who wait. Registration options are also more flexible, with new one-day and student registrations.

Early Registration (rec'd by March 2, 2001)

Full registration: **\$43**
Two-day Partial (no meals): **\$17**
One-day Partial (no meals): **\$9**
Full spouse/son/daughter: **\$28**
Banquet only spouse/son/daughter: **\$16**
Student (w/ valid ID, no meals): **\$5**
Many things, like the raffle, remain the same:

Late or On-Site Registration

Full registration: **\$50**
Two-day Partial (no meals): **\$20**
One-day Partial (no meals): **\$10**
Full spouse/son/daughter: **\$35**
Banquet only spouse/son/daughter: **\$20**
Student (w/ valid ID, no meals): **\$5**

GRAND PRIZE To be announced

SPECIAL Register early to win a sw portable! One free entry for an early-bird registration received by February 12, 2001.

Please bring items for the Silent Auction. Proceeds are donated to charity.

Checks should be made payable to WINTER SWL FEST. Register directly with the hotel for your rooms by calling the Holiday Inn at (215) 368-3800. For 2001, one special rate **\$75** single or double! Tell the hotel staff you're with the WINTER SWL FEST to receive this special room rate. *You must make your reservation directly with the hotel to receive this rate; reservations via the Best Western 800 number or web site are not eligible for this rate.* Up to the minute info. can be found on the Winter SWL Fest Web Page at <http://www.trsc.com/winterfest.html> or from <http://www.anarc.org/naswa/>.

The Best Western—The Inn at Towamencin is located at Exit 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route (I-476)—ask for details. Limo service is available from Phila. Intl Airport directly to the hotel.

Please submit the following form with your registration amount or send for more information to:

SWL WINTERFEST

P.O. Box 4153

Clifton Park, NY 12065

NAME: _____ (SPOUSE'S NAME) _____

ADDRESS: _____

CITY: _____ E-MAIL: _____ (REQ. FOR REG. CONFIRMATION)

REGISTRATION:

___ Full (\$43)
___ Two-Day Partial (\$17)
___ One-Day Partial (\$9)
___ Spouse (\$28)
___ Banquet only (Spouse) (\$16)
___ Student (\$5)

BANQUET:

___ Roast Beef
___ Chicken

RAFFLE TICKETS:

___ raffle tickets, please
(\$1 ea./ 6 for \$5/ 13 for \$10)

Registration Fee Enclosed \$ ___
Raffle Tickets Fee Enclosed \$ ___
Total Check/Money Order \$ ___

Registration cancellations after 2/28/2001 cannot be refunded, however we will refund raffle ticket money if you have to cancel.

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All s/h charges for the following items are included unless otherwise noted. Please note the new proprietor and address.

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