



the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

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MARCH 1998

RADIO AUSTRIA INTERNATIONAL

Through us you have a world-wide link to Austria. We report objectively and comprehensively on the latest events in politics, economics, the arts, as well as on human interest stories and sport. In our news and news magazine REPORT FROM AUSTRIA we also keep you up to date with international events. This broadcast includes a review of listeners' letters in the weekend edition starting Saturday at 1330 UTC.

Radio Austria International is the voice of Austria around the world. Our service is operated at the request of the Austrian government and funded by the federal budget. Our editorial independence is guaranteed by law.

	UTC		Frequencies (kHz)	
Europe	0530	0830	6.155	13.730
	1330	1730	6.155	13.730
		2230	6.155	5.945

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North America	0130		7.325	
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	1330		13.730	
Latin America	0130		9.870	9.495
Middle East	0530		15.410	17.870
	1730		9.655	
Africa	1730	2230	13.730	
Asia	0930		15.455	
	1730		13.710	
Australasia	0830	0930	17.870	

For the best reception of our programmes via shortwave we recommend that you try all of our frequencies being used at the time of listening. You might also be able to hear some transmissions directed to other parts of the world.

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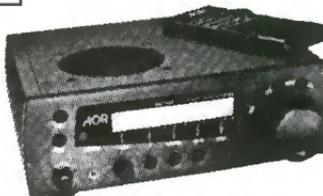
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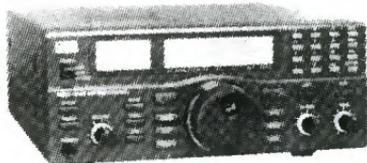
handle strong signals that are of prime concern to European listeners. offers greater than -35dBm IP3 (Intercept point 3) and greater than 10 dBm dynamic range. This coupled with excellent selectivity make it AR7030 a strong choice for the shortwave broadcast listener or DXer. Although performance is excellent, features have not been forgotten. You get: Synchronous AM, Passband Tuning, six levels of attenuator dual VFOs and 24 hour clock-timer. The 100 scannable memories store frequency, bandwidth, PBS, Squelch and BFO settings. The two line 4 character backlit LCD gives you the status of the receiver. The supplied full-featured 32 button infrared remote provides access to virtually 1 facilities including: volume, tone, numeric keypad, memories, PBT, filter selection, etc. A remote RS-232 level port (DIN) is also provided if computer control. Made in England. Includes 120 VAC wall transformer

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COMMUNICATIONS CATALOG

Universal's free 1998 100 page catalog covers everything for the short wave, amateur and scanner enthusiasts. With informative photos and full descriptions. To request your copy please call toll-free:

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Here's a FINAL reminder that the 11th edition of the Winter SWL Festival will take place on 12-14 March 1998 in beautiful and Dhistoric Kulpsville, PA. Check the Calendar of Events and February's Journal (page 60) for a registration form. As usual, I look forward to meeting many of our members at this year's event!

The club's latest version of the Country List and Awards Program booklet is selling like "hotcakes." Because of the demand, a fresh batch had to be printed. It can be ordered direct from the Company Store (705 Gregory Drive, Horsham, PA 19044) for only US\$3.00 in North America. The booklet is 3-hole punched in an 8 x 11 format which allows for easy updating. The list utilizes a user friendly format which should make it more attractive to newer members and old timers alike. This is essential material for any serious shortwave listener.

Congratulations go out to **John Reed** of the Longwave Club of America. John was recently selected as the winner of the John H. Clements Memorial Award as the club member who provided the most significant contribution to the longwave hobby the past year. His contributions of many fine articles for the Lowdown did not go unnoticed.

This year marks the 12th and final year for **Arthur de Maine** as Chief Editor for the DX Times, the monthly bulletin of the New Zealand Radio DX League (P. O. Box 3011, Auckland, New Zealand or e-mail to clarkb@sparc.org.nz). At a recent Annual General Meeting, Arthur announced that 1998 would be his last year in that capacity. Con-

ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. Net Controls Dave Kirby N1DK, Hausie WB4JSP, and Bob Curtis WJEXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info is also available at http://www.trsc.com/swl_net.htm. If you miss the net, you can hear it in RealAudio on the Internet, on Dave Kirby's home page, <http://www.ncweb.com/users/dkirby/>. Dave also posts text versions of loggings.

gratulations to him for a job well done over a number of years! NASWA members interested in DX news from a Pacific based club should check out this fine organization. Dues are US\$30.00 in North America. Hear is a DX tip from the pages of the DX Times: Worldtime is a web-based service featuring an interactive world atlas, information on local time as well as sunrise and sunset times in several hundred cities, and a database of public holidays worldwide (<http://www.worldtime.com>).

Ludo Maes has just released the latest version of the *Transmitter Documentation Project*. The fifth edition. It is an 80 page booklet listing shortwave broadcaster trans-

Our Motto is - "Unity and Friendship"

Contribute!

Send your loggings and QSL information off to our Distributing Editor, **Fred Kohlbrenner** (2641 South Shields Street, Philadelphia, PA 19142). He will forward them to the appropriate editor. Remember, Fred has now expanded his business to include QSL report information and totals for the **Scoreboard** column. He can also be reached through the Internet at: fkohl@ix.netcom.com.

mitters worldwide, arranged by country. Each listing indicates the name of the station, transmitter site, geographical coordinates and call-sign. It also shows the number of transmitters at the site, their power, manufacturer, and year of installation and year out of service. The fifth edition is printed in color includes full color advertisements from companies in the shortwave business. Check the Company Store for pricing information.

If you are interested in multiband shortwave portables from the seventies or a 1927 Zenith floor model, you may want to contact **Rickie Buck** (408 Pierce Avenue, Pulaski, VA 24301-6632 or via e-mail at rjbuck1@juno.com). He has an extensive collection that has grown too large for his humble home according to

his wife and daughter. Contact him for a list and related pricing.

Finally, the Australian Radio DX Club ("ARDXC") and the English Language Department at Radio Australia reached an agreement in February that provides for the re-introduction of Radio Australia QSLs. The agreement will have the station forwarding reception reports to the ARDXC. The club will check the reports and fill out QSL cards. The station will be responsible for mailing of QSLs.

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

FRENDX: Twenty Five Years Ago....

In the Loudenboomer Report, Charlie writes about his adventures to oriental nation of Kwangpo where 400 million people are encouraged to listen to shortwave by their totalitarian leader, Chairman Di Po'l. The Shortwave Center featured an excellent report about Radio Maldives through the collaborative efforts of Ralph Perry and Al Sizer while Dan Henderson wrote about "Some Considerations for Frequency Measures for Dxers and Henry Michalenka discussed the forgotten band, 3500-4000 kHz. John Hoogerheide's 10 toughest countries to log were: Falkland Islands, New Hebrides, Nepal, Laos, Cambodia, Sao Tome, Cook Islands, Swaziland, Maldives, and Mauritius. The QSL Report featured six DX'ers with 200 countries heard: Gerry Dexter (207), James Young (206), Don Jensen (203), Ed Shaw (202), Dan Henderson (202), and Bob Padula (200). Only Dexter (201) and Jensen (200) verified 200 or more countries. 182 members reported to the Scoreboard. Gregg Calkin noted that a record 86 reporters contributed to the QSL Report. Larry Magne's clandestine station of the month was the Voice of the National United Front of Kampuchea. Marlin Field, reporting in Al Niblack's Flashsheet, reports that Trans World Radio hopes to have a permit soon to start construction of a station in Swaziland.

NASWeb

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

Calendar Of Events

- Mar'98 Contest. 1998 North American DX Championships.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1998 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Mar'98 Convention. The 11th Annual Winter SWL Festival** will be held at the Kulpville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.
- Mar 20 Meeting. Philadelphia Area NASWA Chapter.** Kulpville Holiday Inn, Kulpville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Mar 20 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. Check the BADX Web Page: <<http://www.grove.net/~badx/>>.
- Mar 21 Meeting. The Miami Valley DX Club** (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Apr 11 Meeting. The Tidewater SWL's** meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Apr 11 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 513-777-5296 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>>
- Apr'98 Convention. The 35th Annual International World Wide Continental DX Association (IWWCDXA)** will be held in Tahiti at the Charlie Loudenboomer Estate on April 1, 1998 from noon until midnight. Charlie will lecture continuously during this 12-hour period on a variety of boring subjects some of which may actually pertain to shortwave radio. Registration fee is a modest \$150.00 with an extra \$50.00 charge for the traditional hamburger helper banquet. More information is available from Charlie at <cl@sucker.com>.
- Jul'98 Convention. The 4th National Meeting of Mexican DXers** will be held in Tehuacan, Mexico on 31 July-2 August. All shortwave listeners and broadcasters throughout Mexico and around the world are invited. A basic knowledge of Spanish will be helpful, as most convention activities will be conducted in Spanish. For more information contact Jeff White, coordinator of international attendees, c/o Radio Miami International, P.O. Box 526852, Miami, Florida 33152 USA, Telephone: +1-305-267-1728, Fax: +1-305-267-9253, E-mail: wrm@compuserve.com.
- Aug'98 Convention. The 36th annual European DX Council conference** will be held in Gothenburg, Sweden on 28-31 August 1998. It will be organized by the Swedish DX Federation. More details to follow.

Members are invited to submit items to be included in this calendar to Rich D'Angelo (Internet: r.dangelo3@genie.com) or Ralph Brandi (Internet: ralph@mcs.com).

Musings

This column provides a forum whereas 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 - r.dangelo3@genie.com

**Richard A. D'Angelo, 2216 Burkey Drive, Wyomissing, PA 19610
<r.dangelo3@genie.geis.com>**

Our Dxpedition season closed with our final trip to Gifford Pinchot State Park. Only two trips this season as conflicting schedules made life difficult for this band of DX'ers. Bob "Mr. Coffee" Montgomery couldn't make it this time. Bob grinds his own coffee so we didn't have the excitement of Bob grinding a batch of beans to brew some java during station identifications. We didn't miss Bob nearly as much as his antenna.

Our favorite cabin was booked by another party; we didn't know non-DX'ers were allowed in. We had to settle for a "lesser" cabin to do our listening in. Naturally, the weather was a major factor once again. The remains of a "nor'easter" drenched the park making antenna set-up a wet, messy affair.

GPDX #23, yes I know the last one was #25 but Fred thinks we are beginning to count a little too fast, was attended by myself, George Zeller, Fred Kohlbrenner and Kris Field. Being in a new cabin, running antennas on wet, unfamiliar turf made for some interesting times. The River Johnson was flowing due to the heavy rains. When this happens you need to exercise good judgement while stringing antenna wire.

Conditions were awful on our first day but steadily improved. However by late Saturday, conditions to Latin America fizzled. The highlight of the weekend was catching a Europirate, Laser Hot Hits. It was the first Europirate I can remember logging at Gifford Pinchot in years.

73 - RAD

Welcome to the following new NASWA members

Al Batten, Wausau, WI
Robert Brough, South Hadley, MA
Edward A. Cerceo, Philadelphia, PA
Janine Ethier, Milton, NJ
Stephen Foisey, Stratford, CT
Ralph L. Folsom, Sunnyvale, CA
Betty Forss, Limington, ME
Timothy F. Hungler, Fort Thomas, KY
Roland Kallion, Thunder Bay, Ontario
CANADA

Thomas M. Koza, Quartz Hill, CA
Brian Limbach, Pittsburgh, PA
Calvin Luke, Salem, SD
James Petrie, Rochester, MN
James Shelton, Waxhaw, NC
Dwayne Singletary, Brooks, KY
Robert J. Willer, Newcomerstown, OH
James Wilson, Coral Springs, FL

Easy Listening

John Figliozi
45 Algonquin Road
Clifton Park, NY 12065-7703
Internet: jfiglio1@nycap.rr.com

I like March. Winter ever so slightly begins to show signs of loosening its death grip here in upstate NY. **Radio Australia** and **Radio New Zealand International** begin to be heard again occasionally in the evenings here in eastern North America as if emerging slowly from hibernation. And, best of all, it's time once again for the Winter SWL Fest in beautiful (well, sort of) uptown Kulpville, PA on March 12-15. Rich Cuff and I will be doing the Easy Listening Forum once again at 10 sharp Friday morning. Hope you can join us there to kick back and just talk radio!

As usual, please remember that all days and times herein are in UTC.

On BBC World Service This Month

Listings are for the Americas/Europe stream. Frequencies for North America at different times of the day include 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11750, 11865, 15220 and 17840. In a few cases, programs can be heard via the Americas/ Europe stream but only on frequencies intended for Europe. These are denoted with an * and these frequencies usually are listenable in parts of North America at those times: 9410, 12095, 15485, 15565, 15575 and 17640.

From *The World Today* to *Insight*...

The BBC mainstay *The World Today* undergoes a name change this month becoming *Insight*. The program, broadcast five times a week, will continue to consider the issues behind the news and the trends which shape and often connect diverse societies around the world. (Mon.-Fri. 1630; repeated 2230, Tue.-Sat. 0430, 0930)

Premiering in March...

Premiering March 2 and 6 is a new *Learning Zone* series, *First on the Scene*. The 5-part program will teach you how to tackle some of the commonest medical emergencies. (Mon. 0915; repeated Fri. 1230)

Beginning March 7, 9 and 10, *Your Land is My Land*, a co-production of the **World Service** and **Radio 4**, chronicles Arab-Jewish relations in Israel over the past half-century. The 3-part series, the first in a further series of programs on **World Service** this year marking the 50th anniversary of the founding of modern Israel, focuses on the views of local people involved in the struggle, including soldiers, farmers, writers and political activists. The first program centers on the two great emigrations of 1948-49—the Jewish exodus from war-torn Europe into the “Promised Land” and the flight from the same land of 90% of Palestinian Arabs, none of whom has been allowed to return. The second program looks at the period 1948 until the 1967 Six-Day War. The final program considers whether Jews and Arabs can reduce tensions and live together as equals. (Sat. 1730; repeated Mon. 0630, 1030 and Thu. 0130)

On March 9 is *Her Majesty the Queen's Message to the Commonwealth*. (0810*; repeated 1925*) This theme of this year's **Commonwealth Day Observance** is Sport Brings Us Together and is broadcast from Westminster Abbey. (1515)

Returning on March 15 and 17 is a new series of *Concert Hall*. Featured are the recordings that topped the BBC's critics' choice in the recent series of *Best on Record*. (Sun. 1515; repeated Tue. 0815*)

Starting *March 15 and 17*, in *They're Playing Our Piped Music*, Don Black talks to those who write and listen to muzak, that musical background accompaniment to everyday life that pervades the supermarket, the hotel lobby, etc. The 2-part series also examines the history of muzak (back to ancient Greece!) and talks to music psychologists and to members of a society dedicated to killing it off. (*Sun. 1730; repeated Tue. 0145*)

On *March 21 and 23*, *Born a Maori* examines the Maori culture and looks at the significance of recent agreements with the New Zealand government. That government is pioneering a unique process of reconciliation with its indigenous people, who make up 15% of the country's population. (*Sat. 21st 1030; repeated Mon. 23rd 0530, 2130*)

Also on *March 21, 23 and 24* is the second half of a program—*Frankenstein*—whose first half was broadcast in November. The objective of this interactive project was to get children to learn how to create "monster music and dance" under the guidance of Austrian composer HK Gruber. This month's return consists of the music made by the children. (*Sat. 21st 1930**; repeated *Mon. 1430, Tue. 0730*)

On *March 27 and 28*, the daily magazine program *Outlook* will continue its new series of monthly profile interviews with host John Tidmarsh interviewing *Dr. Jane Goodall*, whose pioneering work with chimpanzees in east Africa has revolutionised our understanding of man's closest relative. (*Outlook* is aired *Mon. thru Fri. at 1405, 1900 and 2305 and Tue. thru Sat. at 0530*)

On *March 28* is the annual *Oxford vs. Cambridge Boat Race*. Hear it, along with a wide range of other sports reports and play-by-play commentary of cricket, soccer, rugby and other sports, on the weekly *Sportsworld*. (*Sat. 1405–1700*)

On *March 29*, play-by-play commentary of the *English League Cup Final* (soccer) can be heard in a special *Sunday Sportsworld*. (*Time to be announced; should be around 1405.*)

Some continuing series...

Meridian is the World Service's arts program heard four times weekly. Each program highlights a different arts genre. This month, *Meridian Features* (*Sat. 0630; repeated 2130, Mon. 0230*) looks at the life and work of controversial Polish architect Daniel Libeskind, whose projects include and radical extension to London's Victoria and Albert Museum; and reports from Burkina Faso's International Festival of Theatre in Development. *Meridian Books* (*Thu. 0230; repeated 0630, 2130*) leafs through new works by J.P. Donleavy and Joseph Heller, among others. *Meridian On Screen* (*Tue. 0230; repeated 1030, Wed. 2130*) gives full results from the 70th Academy Awards Ceremony and reviews the month's new movies, including *Les Miserables*. *Meridian Live* (*Tue. 2130; repeated Wed. 0230, 0730*) keeps watch on the London stage and other arts events in the British capital.

The *Composer of the Month* (*Thu. 0730; repeated Fri. 0130*) is the man who almost single-handedly created Czech national music—Bedrich Smetana.

Performance (*Wed. 1515; repeated Thu. 0815**) features Korean violinist Kyung-Wha Chung.

The *Plays of the Week* for March include a work (*7th/8th*) written specially for World Service by Bernard Kops, one of radio's most distinguished writers. *Your Ashen Hair Shulamit* is about a researcher's relationship with a man who claims to have saved many Jews in Budapest from deportation and death. *Sounds of an English Evening* (*14th/15th*) is about the increasing foreboding experienced by a fictional British Minister of Foreign Affairs over an aid package for an overseas country. Then (*21st/22nd*), there's a tribute by playwright Marcy Kahan to films such as Hitchcock's *Rear Window* and Woody Allen's *Manhattan Murder Mystery*. In *Salzburg in London*, Emily Salzburg at first thinks she has found the flat of her dreams. But it is not as quiet as she had hoped. Among the many annoying sounds is that of an argument ending in murder. The final play for the month is *The Death of Che Guevara* (*28th/29th*), in which the Cuban

revolutionary and the CIA agent who arranged his death are locked in an undending struggle over El Che's legacy. (Sat. 2230; repeated Sun. 0630, 1830*)

New readings in *Off the Shelf* feature three stories by Mark Twain: *The Facts of The Great Beef Contract* (9th/10th), *A Ghost Story* (10th/11th) and *Cannibalism in the Cars* (11th/12th). Then there's a reading, in twelve installments, of Margaret Forster's new novel, *Shadow Baby* (12th/13th through 27th/28th), about two women in two eras searching for their birth mothers. (Mon.—Fri. 0715; repeated Tue.—Sat. 0445)

The March *Short Story* anthologies come from Zimbabwe, the USA, South Africa and Laos. (Sat. 1245; repeated Sun. 0815*, Mon. 0030)

The BBC's weekly program for women, *Everywoman*, marks its first year on the air with a commemoration of International Women's Day on March 8 and an examination of the effects of the four UN-sponsored world conferences on women held in recent years, the most recent in Beijing in 1995. (Wed. 0830*; repeated 1530)

Series Continuing or Concluding From Previous Months...

Civilization and Wisdom of the World conclude from December. *The Learning World*, *What's News*, *The Lab*, *International Question Time*, *Just a Taste* and *Braving the Deeps* conclude from January. Consult January's EZL for details. *The Corporate Handbook*, *Keep to the Path*, *Stanzas on Stage* and *Life on the Road* conclude from February. *Counterpoint* continues from February. Consult February's EZL for details. [Sources: BBC World Service Press Information, *BBC On Air*]

Radio Netherlands Highlights

Documentaries

5th/6th—*The Cape of Good Hope: Tavern of the Two Seas*. The second in a series of four programs on the history of The Dutch Maritime Empire embodied in the rise and fall of The Dutch East India Company.

12th/13th—*Batavia: Queen of the High Seas*. The third in a series of four programs examining the history of The Dutch Maritime Empire embodied in the rise and fall of The Dutch East India Company.

19th/20th—*The Beginning of the End*. The final program in a series by Dheera Sujan examining the history of The Dutch Maritime Empire embodied in the rise and fall of The Dutch East India Company.

26th/27th—*Belgium*. Jonathan Groubert examines the history of this three-headed society, the present linguistic tensions between Wallonia and Flanders and the country's future prospects.

(Thu 0054 on 6020/6165 and 0454 on 6165/9590; Fri. 2354 on 6020/6165.)

Media Network in March and April

The program's schedule was not set at press time, but here are some of the topics you can expect to hear on *Media Network* over the next two months:

- ¶ an interview with Professor Doug Boyd about the current state of radio and mass communications in the Middle East;
- ¶ the history and current condition of the former pirate radio ship, Laser 558;
- ¶ how the ionosphere also affects satellites;
- ¶ on April 17, reports from the National Association of Broadcasters convention in Las Vegas.

The program's big survey revealed that listeners want *Media Network* to develop the multimedia focus of the program and apply the same reality check to new technologies as it has with the old. The survey also showed strong support for the summer safaris—the special features in which the hosts report from on location (some quite exotic) about a single communications-related subject—that have become a mainstay of the show. (Bet Jonathan and Diana are happy about THAT finding!) They're looking for suggestions as to where to go this summer (for the heck of it, I'll suggest Albany, NY—AI Q and I would be great subjects.....really!) and these should be sent to RNMN at P.O. Box

222, Hilversum, The Netherlands or via e-mail to <letters@rnw.nl>.

(Fri. 0054 on 6020/6165 and 0454 on 6165/9590)

[Sources: *On Target* and Radio Netherlands web site <<http://www.rnw.nl>>]

The Voice of Russia...Revisited

I've been listening to a new frequency—7100—since early February that has been providing generally excellent reception here in upstate NY between 0200 and 0600. An inquiry to VoR by e-mail produced a timely response from Mrs. Tanya Stukova of the Letters Department informing that the station had received good feedback from listeners about the new frequency which she said originates from the Kishinov, Moldova transmitter. She requested further reports via e-mail to <letters@vor.ru>.

Last month, we checked VoR's program schedule to 0400. This month, we build on that to include (when combined with last month's info in EZL) the entire program schedule of the VoR World Service to North America, which can now be heard here in its entirety.

(News on the hour for 11 minutes; on the half-hour for 2 minutes):

0411—*Science and Engineering* (Mon.); *News and Views* (Tue.–Sun.)

0432—*Christian Message from Moscow* (Sun.); *Audio Book Club* (Mon.); *Alternative Programs* (Tue.–Sat.)

0511—*Program Previews* (Sun./Mon.); *Science and Engineering* (Tue.–Sat.)

0532—*Moscow Yesterday and Today* (Sun./Fri.); *Jazz Show* (Mon.); *Yours for the Asking* (Tue.); *Music at Your Request* (Wed.); *Folk Box* (Thu.); *Timelines* (Sat.)

(Sources: Mrs. Tanya Stukova, VoR Letters Department and VoR web site <<http://www.vor.ru>>)

In Brief...

As quickly as he appeared as host of RCI's *The Mailbag*, Wojtek Gwiazda has been replaced by his predecessor, Mark Montgomery. No word as to why, but let's hope that RCI has plans to revive Wojtek's long-defunct morning program to North America as a replacement for the current stale repeats of the previous night's *As It Happens*. Montgomery said that RCI is looking to revive a DX report twice a month on *The Mailbag* that would be provided by Sheldon Harvey of CIDX. Might be there already by the time you read this.... Also on RCI, Peter Gzowski (what is it about these Canadian names?), late of *Morningside*, is back now with a weekly interview program entitled *Peter Gzowski's Forum*, which airs Mondays at 1405 on 9640 and 11855. The program is followed at 1445 by *Out Front*, a report on new trends in Canadian society and culture..... With the clock change at the end of the month, remember that several stations will shift programs one hour earlier UTC.

Rich and I hope to see many of you at the Winterfest in Kulpsville, PA. Until April, good listening!



WANTED: Speaker enclosure for a National NC-46 SW receiver with or without speaker. Prefer clean with no rust but will consider all. Tom Mooningham, 18541 Maugans Avenue, Hagerstown, MD 21742-2376. Phone (301) 791-0834. E-mail <m100n@aol.com>.

Shortwave Center

Hans Johnson
206-A South Loop 336 West #231
Conroe, TX 77304
CompuServe: 73042.3644
Internet: 73042.3644@compuserve.com

Rich D'Angelo passed along several items this month.

The below first appeared in the April 1997 Contact Dan Smith Editor

Dr Adrian Peterson produced the following (edited) as the main feature in "AWR Wavescan" which went over the air in the fall of 1996.

"We have brought you a long series of the origins of AWR with its first broadcasts from Radio Trans Europe in Sines, Portugal. On this occasion we continue this panorama of significant radio history by looking at Milan and Forli in Italy, and two large SW stations located in Slovakia.

Having installed its own transmitter at Radio Andorra, it had been hoped that maybe a higher powered transmitter could also be co-located subsequently with this facility. However, this concept never eventuated and at this stage AWR has already closed its usage of the SW transmitter located at Luxembourg and at Cyclops in Malta. AWR needed a new location. "Where should we go?" was the question.

At the time, several small SW stations were on the air in Italy, quite legally and yet without a license. The whole radio scene in Italy was under review by the government. AWR decided to establish a small SW station in northern Italy, obtain a license in due course, and then establish a much larger international SW station for extended radio coverage.

And so that's what happened. A picturesque villa was procured on the edge of Forli in northern Italy, the new 10 kW Collins transmitter at Radio Andorra was removed and re-installed at Forli, and a new SW station was ready to go on the air. In preparation for this event, a series of test broadcasts was carried out over Radio Milano International at Milan, also in northern Italy. This station had previ-

ously carried broadcasts of the old AWR DX program, "Radio Monitors International" under a special arrangement with Jeff White, formerly of Radio Earth in the United States and now operating his own station, Radio Miami International WRMI in Miami, Florida.

The 13 weeks of test broadcasts over RMI Milan gave a good indication as to the likely coverage areas of the new AWR station that was under construction in Forli. The broadcast from RMI began in January 1985. It is probable that very few QSLs for these short term AWR broadcasts are in existence today, and then probably in the European area.

The broadcasts from AWR-Forli commenced on January 30, 1985 with the 10 kW transmitter operating at only about 2.5 kW.

The radio frequency signal is radiated through a rotatable yagi-style log-periodic antenna which is turned towards any desired beam by an electric motor. Co-sited with AWR-Forli is an FM outlet which is radiating 500 watts on 104.55 MHz with much the same programming as the SW outlet.

The Italian government recently enacted a special law enabling AWR to obtain a license for establishing a large new SW station at nearby Argenta. It is expected that this station will contain four SW transmitters in the 100 kW to 250 kW range together with a bevy of antennas for coverage of Europe, Africa, and Central and Southern Asia.

Of interest also is the fact that AWR established a 200 watt MW station at Mazara del Vallo in Sicily a few years ago. This station, when fully developed, was intended for MW coverage of North Africa.

Moving on to Slovakia—situated on a roadside hill, 150 miles east of Bratislava and near the Hungarian border, is one of Europe's major SW stations. It contains four Russian-made transmitters at 250 kW, more than a dozen large curtain antennas, and a massive matrix switch for connecting any transmitter to any antenna. This station has been on the air with programming from Radio Prague International and also Radio Slovakia International. This station, located just beyond the small town of Rimavska Sobota, gives AWR its widest international radio coverage.

On January 1, 1994, transmitters 9 & 10 began the relay of test broadcasts on behalf of AWR. One week later, in special services at the large Seventh-day Adventist Church in Central Bratislava, dedication services were conducted for the inauguration of this massive new radio outreach. Part of the program,

From the December 1996 Contact

Radio Austria International

Radio Austria International (ROI) broadcasts about Austria around the world by shortwave, satellite and cable. The world radio service of ORF provides its listeners with a clear advantage in information concerning Austria and central Europe. ROI is the service station for the international audience interested in Austria, and for Austrians living and travelling abroad. The world radio service of ORF operates at the request of the Federal government and is financed from public funds. The editorial independence of ROI staff is guaranteed by law. ROI reports objectively and comprehensively on current affairs including politics, economics, the arts, human-interest events and sports. News and news magazines are broadcast in English, German, French, Spanish, Arabic and Esperanto. In German, ROI broadcasts news on

a musical presentation in the Czech language, was broadcast live. Phone calls from Prague, London, and elsewhere indicated that it was coming in loud and clear.

Subsequently, a third transmitter at this location, AWR-RS08, has joined the relay of AWR international programming. Currently, these three transmitters, designated as AWR-RS8, 09 & 10 are on the air daily in many languages to Europe, Africa, and Asia.

Later in that same year, 1994, an additional transmitter in Slovakia joined the AWR network. This was the 100 kW transmitter VK02, located at Velke Kostolany, much nearer to Bratislava. This unit gave AWR needed coverage in continental Europe. However, the usage of AWR-VK-2 was terminated on October 26, 1996, in favor of another 100 kW transmitter located in the Detusche Telekom facility at Jülich, Germany.

Interestingly, the two Slovakian names have significant meanings. Rimavska Sobota means Roman Sabbath and Velke Kostolany means Great Church.

the full hour and news magazines every two to three hours. In addition there are weekly magazines, music and entertainment programmes as well as a special series for Austrian troops serving with the United Nations, for vacationers in the Mediterranean region, for shortwave specialists and radio amateurs.

The foreign language service of ROI also includes news bulletins, commentaries, press reviews and background reports to help listeners to a greater understanding of current events in Austria and central Europe.

ROI has about 100 programme production, technical and administrative staff. ROI output is produced in the ORF centre in Vienna and distributed from here through six pro-

duction studios. From the ROI centre at Moosbrunn the output is then broadcast via more than 10 shortwave frequencies through two 330/500 Kilowatt transmitters, two 100 Kilowatt transmitters and an aerial installation with a high gain turntable curtain antenna built in the mideighties. Our motto is "around the world—around the clock" with a total programme output of 80 hours every day around the globe.

Technical improvements and innovations are planned for ROI in programme production and in programme distribution. In the studios new digital systems are to be installed to provide the best technical, cost-effective and future-oriented systems possible. To provide our regular listeners with better sound quality and to expand audiences in the face of strong competition ROI is using satellite technology to extend our shortwave capacity.

Since April 1995 the English-language service of ROI has been available via satellite. Potentially more than 45 million households with satellite or cable access can now hear Report from Austria in Europe via the Astra 1B satellite and in North America via the Galaxy 5 as well as via the national US cable radio C-Span network. Various local broadcasting stations also rebroadcast the programme and we are in the Internet—RealAudio System. In North America a mixture of ROI output in various languages has been available since 1989 through a relay provided by Radio Canada International. This has led to a marked improvement in reception quality.

In Europe the world service of ORF is already working towards the future. Here the ROI programme can be heard via the Astra satellite system in digital sound quality on Astra Digital Radio (ADR). The use of digital techniques gives ROI the possibility to provide the European public with programmes in CD quality and to give regular listeners a new dimension to radio listening.

The annual budget made available by the Austrian Federal Government foresees spending of around 150 million Austrian schilling (US\$ 15 million). With this sum ROI has to cover all its costs ranging from programme production, staffing and transmissions via shortwave and new media. ROI is thus providing a service similar to other international radio stations but with considerably fewer staff and less funding.

We receive regular correspondence from listeners of around 20,000 letters and cards a year. This international audience shows that

RADIO AUSTRIA INTERNATIONAL

ROI is highly valued as a competent and reliable source of information about events in Austria and central Europe. The current ROI programme leaflet

with lists of our frequencies is available free of charge to anyone who writes for one.

Our studios are located in the ORF Centre in Vienna. We have at the moment two production desks, a self-service studio and two transmission production desks which can also be used for program pre-production. One of the transmission desks also serves as the main control room. Our sound engineers broadcast programmes to various destinations 26 hours a day live or from pre-produced tapes. Their skills play an important part in programme construction. The studios have been in service for 18 years and are now being brought up to date. This includes the introduction of automation, digitalisation, computerisation and modern networking techniques. In future the technical and editorial staff will be aided by computer audio stations and a digital central memory bank and will have computer services to help in the broadcast planning of programmes in stereo and CD quality.

Moosbrunn Transmitter Site

Radio Austria International's programmes are broadcast/transmitted all over the globe from the Short Wave Transmitting Centre at Moosbrunn. The centre is located roughly 25 kilometers south of Vienna in the province of

Lower Austria and uses two 300-/500-kilowatt transmitters and two 100-kilowatt transmitters as well as various omni-directional and directional antennas for transmission to Europe and overseas. The biggest antenna is the turnable curtain antenna. It's built on a circular-shaped foundation 85 meters in diameter and is 76 meters high. It can be turned in the precise direction required, and by virtue of its design it can be used for the entire range of short-wave broadcasting.

The programme for Europe reaches Radio Austria International listeners via the vertically polarized Reusen antenna as well as via the horizontally polarized quadrant antenna. The double curtain antenna as well as the rotating standing antenna, which can be rotated in any direction, and in part the logarithmic-periodic antenna, transmit the programme to listeners overseas.

The 300/500-kilowatt transmitters make use

of modern technology, are fully automatic and, like the somewhat older 100-kilowatt transmitters, are in use around the clock.

Transmitting operations are fully automatic and supervised by only nine engineers and technicians, who also carry out all necessary maintenance and repair work.

The transmitter facilities use about 1,400 kilowatts of electricity per hour. The heat given off by the equipment is then used in an environment-friendly manner to heat the rooms and provide warm water. Operations began at the Shortwave Transmitting Centre at Moosbrunn on a provisional basis in 1960. The facilities were then expanded in the years 1966, 1983 and 1987 and thus brought up to date. The transmitter site has an area of about 800,000 square meters. The area between the antennas is presently used for farming purposes. There are plans to convert the grounds into a conservation

Information on the Radio Austria QSL collection

From their web page and via Hans Johnson

Radio Austria International is official sponsor of QSL COLLECTION

The QSL COLLECTION is an International Board of Trustees with headquarters in Vienna, Austria, the world's biggest collection of about 800.000

QSLs and Awards of broadcasting stations and radio amateurs. We collect, keep archives, research, make available to publishers and exhibit in public verifications of radio reception from the early days up to today. Our voluntary work is being financed by members and supported by sponsors from all over the world. QSLs are acquired by requests, from club stations, QSL managers, DXpeditions and individuals sending those

cards they do no longer wish to keep. We also welcome declarations of dedication at a later stage and try to fill gaps by extensive monitoring and by circulating lists of missing QSLs. If you would like to help or

are interested in our activities please ask for further information. kwp@rai.ping.at
Fido: 2:310/39.44 Packet
OEIWHC@OEIXAB#OEIAUTIU



Fax: +43/1/749 82 535 QSL COLLECTION,
c/o Radio Austria International, A-1136
Vienna.

.....
Finally, a little plug: Showdown with Iraq is a new web page set up by Cumbre DX. Here is your one-stop shopping spot for monitoring this crisis. The URL is: <http://www.ra1abs.com/sw1/>. 

Listener's Library

T. J. "Skip" Arey N2EI

P. O. Box 236

Beverly, NJ 08010

Internet: tjarey@mosquito.com

Well it's just about Springtime and that means two things. The Kulpsville get together and another column donation from Rich D'Angelo. Let me turn things over directly to Rich and I'll fill in the column inches at the other end of things.

Transmitter Documentation Project 4th Edition

Compiled by Ludo Maes

Reviewed by Richard A. D'Angelo

A number of months ago, I received a copy of the Transmitter Documentation Project (TDP SW-97) from publisher Ludo Maes. Although I mentioned this superb publication in my NASWA Notes columns in May and August, unfortunately, due to severe time constraint limitations in my schedule, I did not have an opportunity to take a detailed look at this fine publication for many months. However, I am beginning to catch up on my reading and the TDP is one of those excellent hobby resources that should be in the library of any technical shortwave listener.

Belgian DX'er Ludo Maes has spent more than 10 years doing research into the subject of transmitter documentation. He has received the cooperation of well-known radio personalities, international organizations, publications, DX clubs and programs, transmitter manufacturers, and radio stations. As a result, TDP SW-97 is packed full of detailed information on over 3,400 past and present worldwide shortwave broadcast transmitter units with a total output in excess of 409 gigawatts.

The 80-page booklet consists of listings of shortwave broadcast transmitters worldwide, arranged by country. Although the publication is divided into 18 sections, the heart and

soul of the TDP SW-97 is the comprehensive 63-page country order listing of shortwave transmitters from 193 ITU countries plus a list for international waters. Each listing indicates the name of the station, transmitter site, geographic coordinates, and call-sign. It also shows the number of transmitters at the site, their power, manufacturer, type number and year of installation and year out of service. The 4th edition includes a lot of information on shortwave transmitters from Central and South America based on a collaborative effort from Latin America Dxpert, and NASWA member, Takayuki Inoue Nozaki of Japan.

TDP SW-97 contains a list of shortwave transmitter manufacturers and their headquarters, plus statistical breakdowns of the number of shortwave transmitters in use around the world, grouped by power level, country and manufacturer. Articles about the history of Omnitronix, a new entrant into the shortwave transmitter manufacturing business who utilized its extensive experience in the solid state AM transmitter design business to begin development of the first digital solid state shortwave transmitter in 1996, and Skywave 2000 by Thomcast, round out the booklet.

The booklet is the most comprehensive of its type available in the hobby today. It is a valuable resource for researching transmitter site locations for a variety of applications such as distance calculations from transmitter location to receiver location and sunrise/sunset computations. It is read year after year by radio station personnel, transmitter manufacturers, radio consultants and engineers, as well as by shortwave radio enthusiasts.

Finally, during 1997 the TDP has opened its own web-site which deals with shortwave

radio broadcast transmitters in all possible ways. At their web-site, the TDP provides information on shortwave transmitters installed around the world in great detail. Look for the Transmitter Documentation Project in cyberspace at <http://www.ping.be/tdp>. Now you ask, "where can you pick up a copy of the TDP?" Good question, hi! Our own Company Store is well stocked. Members can order this excellent hobby publication from Kris Field through the NASWA Company Store (705 Gregory Drive, Horsham, PA 19044) for US\$10.00 in North America and US\$13.00 elsewhere.

Order a copy of TDP SW-97 and grab yourself a copy of an excellently researched and presented collection of valuable hobby information. You will not regret it!

Thanks as always Rich. So how about the rest of you folks? I'm by nature lazy and would love to give over copious portions of my column to your efforts. It's less work for me and the club gets to hear more from its wider membership. If you have read a good book or used a neat piece of software, why not write down a few lines and send it my way.

Okay so what have I been reading lately? Lots of neat stuff.

*Electronic Inventions And Discoveries
Electronics from its earliest beginnings to
the present day*

Fourth Edition

By G.W.A. Drummer

284 Pages

\$40.00 US (appx.)

Institute of Physics Publishing

Dirac House Temple back

Bristol, BS1 6BE England

If you remember your history, Radar was one of the major inventions that won World War II. Geoffrey Drummer was one of the folks that worked on the development of Radar back then. He went on to have a hand in the further development of another couple of minor electronic devices such as solid state

components and the integrated circuit. After retiring from the process of invention he became interested in the history of invention. This fourth edition of *Electronic Inventions and Discoveries* is just the book for anyone who ever wondered who was responsible for so much of what we enjoy within the radio hobby and the wider world of electronics.

The book takes several tracks to giving the reader a complete notion of the history of electronics. First the book examines the beginning and expansion of electronics followed by the development of componentry from tubes, through transistors and on through integrated circuits. Next come a series of "Concise Histories of Audio, Radio, Radar, Television, Computers and Industrial electronics. Each of these histories not only gives insight into the individual subject but sets it into its situation in the world. Chapter ten lists inventions by subject. Further, each sub heading is ordered by date so you can see the flow of things.

The eleventh chapter has to be my favorite. It is a concise (I'll call it comprehensive) description of each invention in date order. Look up Short Wave Commercial Radio Communication and you discover the story of Holland's L.J. van Boetzeelaer. Look up Radio Broadcasting and you find that Mr. Drummer and I concur on the belief that this honor falls to Dr. Reginald Fessenden in 1096 NOT Dr. Lee de Forest a full year later. In this section you will learn many things and you will find yourself reading this information not as if it were a textbook but more as if it were an adventure as you see the growth of electronics through the years.

The book follows on with chapters on electronics acronyms and abbreviation and bibliographies covering both inventions and inventors. While you could easily teach a good history course with this book it is just as enjoyable as solid non-fiction reading for anyone interested in the subject of electronics.



Isolating Your Antenna from Noise and Interference

If you are bothered by noise and interference from sources in your home or apartment building, this month's column may have the solution to your problem.

I live in a multiple dwelling townhouse. My own TV and computer and my neighbor's TV sets were disturbing reception on the short-wave bands. By implementing the techniques contained in this article, I eliminated any interference above 3 MHz.

The first thing you must do is to move your antenna as far away from the noise source as possible. Noise coupling, caused by electrical or magnetic fields, falls off rapidly as the separation distance is increased. Remember that noise currents can be coupled via power lines in the walls and ceilings of your dwelling. Get the antenna away from your house as far as possible.

Second, you should feed your antenna with a good quality coaxial cable. Satellite TV cable features a solid aluminum foil outer conductor providing excellent shielding and are designed for direct burial. The loss is low even in the UHF frequency range which are used for the intermediate frequency between the antenna-mounted converter and the receiver in the house.

My antenna had to be hidden because of deed restrictions which prohibit outside antennas for TV and radio. I have a salt-water swamp about 30 feet from the townhouse separated by a grass lawn. One dark night I carefully slit the grass with a spade and pressed the

coax cable into the slit. I tamped the slit closed with my foot. By dawn the slit was barely visible. After a week the grass had grown sufficiently to make the slit invisible.

One end of the cable is in the undergrowth at the edge of the swamp. Here the shield connects to a four-foot ground stake sunk into the salty mush. The center conductor connects to my random wire antenna. The cable runs under the lawn, behind a gutter drain pipe up to the roof where it enters the attic through a soffit ventilation hole and then runs across the attic floor dropping down inside a closet to my radio room. Here it connects into the antenna multicoupler which drives three receivers. The multicoupler is grounded to the house power ground through the three prong power cable. All receivers are also grounded to the multicoupler and the house power ground.

Here is the problem. Interference currents from noisy appliances can find their way to ground via two paths. One path is via the power ground system. The other path is via the outer shield of the coaxial feedline. At the far end of the feedline these currents can reflect back and enter my feedline. More on this later.

My antenna consists of 300 feet of wire strung through the bushes about 1 foot above ground. The wire connects to the coax feedline through a ferrite isolator. This is the device that magically eliminates most of the man-made noise that previously limited my listening pleasure.

What is an isolator? Some people refer to these devices as current baluns. Here is how they work.

Normally we think of a coax cable as a two conductor device. There is an inner conductor and an outer conductor that shields the inner conductor. In reality at short-wave frequencies a coaxial cable is really a three conductor device. The outer conductor is really two conductors because short-wave frequency currents will propagate independently on both the inner surface and the outer surface at the same time. Engineers refer to this property as "skin effect". The actual circuit looks like Figure 1.

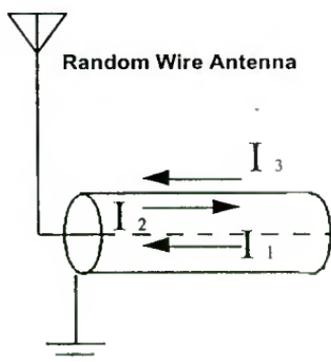


Figure 1. The outer conductor of a coaxial cable can carry high frequency currents flowing in opposite directions at the same time.

I_1 is the current flowing at any instant on the surface of the center conductor. I_2 is the reverse current flowing on the inside surface of the coax shield back to your receiver. In the absence of any other currents and capacitive coupling to interference sources, these are the only currents that will be present. If current I_3 is present because of coupling to some noise source, it ideally flows to ground never to be heard from again. But if the ground connection has some resistance, and all real grounds do, some of the current from I_3 will loop around the end of the coax and add to the current I_2 flowing back to your receiver. What you need is an isolator to

prevent the current I_3 from reaching the end of the coax where it can turn around and flow back. That is where the line isolator comes in.

A typical line isolator is shown in Figure 2.

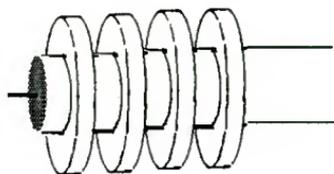


Figure 2 Ferrite rings placed over the outer conductor of a coaxial cable effectively prevent current flow on the outside of the cable while internal currents flow freely.

Many ferrite rings are placed over the outer conductor causing a high impedance impeding the flow of short-wave frequencies on the outside. The currents inside the cable are not affected by the presence of the ferrite rings. The more rings that are used, the greater the attenuation. The ferrite type is specifically selected to be effective in the frequency range of interest.

You can buy appropriate rings from companies like Amidon or Palomar. Most SWL's will be happy to know there are ready-made line isolators available for reasonable cost from Radio Works in Portsmouth VA. Their model number T4-G features a ground strap, presents more than 75,000 ohms impedance to 3.5 MHz outer shield currents and is useful from 2 to 30 MHz. Best of all the cost is only \$33.95 plus shipping. Radio Works has a fine catalog with lots of good antenna designs. You can contact them at 757-484-0140. Their free order line is 800-280-8327. You can e-mail them at jim@radioworks.com.

The line isolator made a big difference in my ability to enjoy this hobby. If you have local interference, it might work for you too. I hope to see you at the Kulpville SWL Winterfest where I will conduct a comprehensive forum on different types of antennas and how they work. Until next time, stay tuned.

SWL

Adrian Peterson's Diary

Dr. Adrian M. Peterson
Box 29235
Indianapolis, IN 46229

History of Broadcasting in the Indian Subcontinent

Pt. I, Before Partition

"Freedom at Midnight" is the name of the best selling book written by Larry Collins and Dominique Lapierre some 20 years ago. It is the story of the independence of India and Pakistan, gained at the stroke of midnight between August 14 and 15, 1947. It was a time of drama and tragedy, the culmination of historic years and current events, and it launched two heavily populated nations onto the world scene of strident independence.

India today is the fifth largest country in the world, with a population figure approaching one quarter of the world's total population. It is a country of poverty and riches, desert and flooding rain, lakes and snow covered mountain heights, villages, cities and palaces, and cultural and religious diversity. It is a country of traditional custom and educational development. In fact, India is home to a multicultural diversity that is unequalled anywhere on earth.

The early days of wireless and radio in the old Indian Empire go back to the days of the British Raj. It began back in the era just before World War I, in the days when radio was wireless, and wireless was only a few years old. The British government established a small network of spark wireless stations in several major areas of India, each operating under callsigns very different from the more familiar "V" callsigns of later years. For example, Bombay Radio identified in heavy spark-gap Morse code as BYR; Calcutta as WCA; Karachi as WKR; and Port Blair as ROB. Other early telegraph stations were

established in Delhi, Peshawar, Madras and Simla. (Just before World War I, in the year 1913, an Italian explorer by the name of Dr. Filippo de Filippi was on an expedition in central Asia. To determine his location, he tuned in to the wireless time signals transmitted by VWL, the wireless telegraph station at Lahore in the Punjab.)

Along with the rest of the world, the broadcasting of radio programs in India began with experimental apparatus early in the 1920's. The first known radio broadcast took place in Calcutta in 1923, when a live concert was broadcast over a distance of three miles. A similar experiment was carried out soon afterwards over a distance of 72 miles, again from Calcutta. These early broadcast experiments were all conducted by the Marconi company.

The first actual radio station in India was located in Madras. It was owned and operated by the Madras Presidency Radio Club, and it operated under a typical British callsign, 2GR, with a 200 watt transmitter on 750 kHz. This station was on the air with regular programming for a period of three years, when it was closed due to financial difficulties. However, the Madras City Corporation took the station over and reopened it on April 1, 1930 under the more familiar call letters VUM. In turn, this station gave way in 1938 when an official station operated by All India Radio was established in Madras, again as VUM.

Other early radio stations in India were established in Peshawar, Lahore, Calcutta, Bombay and Delhi. Station VUP in Peshawar was established when the Marconi company donated a radio transmitter to the local government in 1935. The station in Lahore, VUL, established in 1928, was originally owned and operated by the local branch of the YMCA. The first station in Bombay was 2FV, with 1.5 kw, also on 750 kHz., or "kilocycles per second" as it was known in those days. This station began operation in 1927.

One particular radio station in India that deserves a goodly mention in the history books is VU7MC, in Mysore, South India. Although this station operated under an amateur callsign, it was in reality a regular radio broadcasting station. It was established under the direction of the fabulously rich Maharajah of Mysore on September 10, 1935. The station identified on the air in Hindi as "Akashvani" (AH-k'sh-VAH-nee), meaning "heaven voice," that is, "a voice from the heavens." This identification announcement

was later taken over by All India Radio and it is to this day the standard announcement for all radio stations in India when on the air in north Indian languages.

The first shortwave transmitters were installed simultaneously in Bombay and Calcutta in the year 1935. These were for home service relay, and they were low-powered units rated at 250 watts, VUB and VUC. A series of four shortwave transmitters was installed in Madras, Bombay, Calcutta and Delhi in 1938 and 1939, and the first foreign service was introduced in October 1939 in the Pushto language, beamed towards Afghanistan.

The Indian Broadcasting Company was formed in 1926, and this gave way to the Indian State Broadcasting Service in 1930, which was in turn redesignated as All India Radio in 1936. At the time of partition in 1947, there was a total of 14 radio stations on the air in the twin territories of India and Pakistan. These were operated by All India Radio and by the maharajahs of several of the princely states.



Subj: World of Radio New Website
Date: 98-02-26 11:11:06 EST
From: wgghauser@hotmail.com (Glenn Hauser)
To: ghauser@hotmail.com

WORLD OF RADIO'S NEW WEBSITE. With many thanks to Rachel Baughn and Grove Enterprises for hosting us the past few months, W.O.R. can now be found at

<http://www.angelfire.com/ok/worldofradio>

WORLD OF RADIO SCHEDULE, SHORT VERSION effective February 26:

NOTE: this is posted only when there have been changes since last time.

On WWCR Nashville, Thu 2130 15685 [ex-9475], Sat 0700 5070 AND 3210, Sat 1230 5070, Sun 0730 5070, Mon 0500 5070, Tue 1330 15685.

On RFPI Costa Rica: Fri 2000, Sat 0400, 1100, 1800, Sun 0200, 0900, 2300, Mon 0700, Tue 1900, Wed 0300, 1000—on 15050-USB 24h [but currently 1800-2400 with 6980-USB resumed at 0000-1400], 7385 2200-1200, 21465 1200-2400 [but currently off the air]. [Note the changes in hours and modes, implementation underway but may not be completed yet]

On WGTG, Georgia, UT Sun 0030 on 5085-USB effective Mar 8, replacing Tue 0500. An additional time on 9400 is being sought.

NASWA Awards

Dr. Harold Cones
2 Whits Court
Newport News, VA 23606
Internet: hcones@cnu.edu

Howdy! By the time you read this, the Eleventh (!) Annual Winter SWL Fest will be very near. Scheduled for 13-14 March at the Kulpville (PA) Holiday Inn, the fest has become THE event of the year. And the weekend after the fest is the North American DX Championships—looks like a pretty busy March for the radio crowd!

And February was a good month for award getters. Congratulations to Beppe Gornati who is now at 180 countries, and getting within striking distance of the big one. Here are the latest to warm their hearts and their shacks with the much respected NASWA greens:

Beppe Gornati
Antarctic DXer
Master PNG DXer
180 endorsement, Senior DX Centurion

Gary Neal
Pirate DXer
35 endorsement, Senior Ecclesiastic DXer

Gary Readore
World Wide DXer
Ecclesiastic DXer

Fest Schedule

As promised in last month's column, here is the schedule for the Eleventh (!) Annual Winter SWL Fest. Please note the **Drake R8 and R8A forum on Friday afternoon**—be sure to **bring your R8 or R8A** to have a few tests run on it as well as a "burn-in." The results of the tests and a general discussion will

take place at the forum. Hope to see you at the fest and perhaps we will be able to bend our elbows a bit in the Hospitality Room.

Eleventh (!) Annual Winter SWL Fest Program of Events

Friday, 13 March 1998

0730: REGISTRATION

0845: WELCOME

0900: Session # 1: BEGINNER'S FORUM AND INTRODUCTION TO FEST TOPICS (*Uncle Skip Arey*): Getting started with a radio hobby is a lot easier when you have help, and we have the man who can help! Let ol' Uncle Skip enlighten you and get you set up for the rest of the fest.

1000: Session # 2: EASY LISTENING (*Richard Cuff and John Figliozzi*): We have had an easy listening forum for many years and it continues to be one of our most popular. Two real experts will share the fun of enjoying shortwave programming and what to look out for in the future.

1100: Session # 3: THE MYSTIQUE OF LONGWAVE DXING (*Bob Montgomery*): Back from last year by *very* popular demand, "Mr. Longwave" will fill your ears and thoughts with all those "noises" found below the broadcast band.

1150: BREAK AND LUNCH on your own.

1330: Session # 4: ANTENNAS, ANTENNAS, AND MORE ANTENNAS (*Joe Buch*): This is one you should not miss! Joe

will begin the forum with some antenna theory and finish with antenna designs for all aspects of listening.

1515: Session # 5: DRAKE R8 CLINIC (*Chuck Rippel and Ben Hester*): Our tech crew is back again, this time to apply their instruments to the Drake R8 and R8A. The results of the day's burn-ins and spec measurements will be presented and a general discussion of the care and feeding of this popular receiver will be discussed. A **MUST** for the Drake R8 owner. Location to be announced.

1630: END OF FORMAL ACTIVITIES: We were asked by a number of participants to leave some time at the end of this day for group and club meetings and this is it. Dinner on your own; hospitality suite open.

1900-2200: SWAP MEET/ EQUIPMENT SALE — Room 153

Saturday 14 March, 1998

0900: Session # 6: NEW EQUIPMENT REVIEW (*Alan Johnson and George Zeller*). The last two years have seen some mighty nice equipment introduced for the hobby crowd. The editor of NASWA's "Equipment Reviews" column and a guy who has to have every new gadget as soon as it comes out will tell you their experiences with some of the new stuff.

1000: BREAK

1030: Session # 7: UTILITIES 101 (*Mike Wolfson*): If you have wondered what the thrill is in this aspect of the hobby, here is the guy that can tell you. One of the nation's leading utility DXers will introduce you to the many facets of this interesting pastime.

1130: BREAK

1200: LUNCH—BALLROOM

1330: Session # 8: SCANNING WITH THE SCUM (*The Scanner Scum*): What's the latest on DXing electric fences and light dimmers? Who got the "Two Big Macs for a dollar" special last night? Hear what really goes on for those who monitor the scanner frequencies. Is it for you? You will be better able to answer that question after hearing from these guys, one of the largest groups in the hobby.

1430: BREAK

1500: Session # 9: THE YEAR IN PIRATE RADIO (*George Zeller and Andy Yoder*): Year after year, the pirate forum continues to be one of our most popular. Better come see what these buccaneers have to offer this time. We understand a Euro pirate or two might be lurking (if one were to know). Trench coats and pulled down hats optional.

1600: THE END OF FORUM ACTIVITIES

1800: CASH BAR

1900: BANQUET—Ballroom. After dinner remarks by an international broadcaster from The Voice of Russia.

Notes

DEMONSTRATIONS, DISPLAYS AND CLUBS: all day both days in the Ballroom

All Forums to meet in the combined Oslo/ Copenhagen Rooms **Silent Auction** will be run Saturday 1000-1600 in Room 153

FOR SALE: Customized beam headings (from/to) and distances (MI/KM) to more than 480 WRTH transmitter sites including Russian republics. ITU country codes included. Send your location or coordinates, \$8.00. Also NASWA Journals for '96 and '97 complete, \$16.00 each. "Passport to World Radio" '96, \$10.00. WRTH '91, \$5.00; '96, \$10.00; '97, \$14.00. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. E-mail <ADrehman@juno.com>. Phone (704) 894-3398. No collect calls, please.

Listener's Notebook

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ANGOLA According to Nick Grace C., by time you read this, **VORGAN** will have left the air for good. "VORGAN is to close on February 28, and within time will become a non-partisan FM radio station called Radio Despertar to provide the clandestine station's personnel with jobs. UNITA continues to hope that Radio Despertar will carry their message, but that is unlikely since they admit that 4 to 6 transmitters will be needed to cover Angola's mountainous territory.

"VORGAN used to verify reception reports through the Free Angola Information Service, a UNITA lobbying office, in downtown Washington, DC. In December 1997, Dan Henderson and I discovered that the group had changed to another office and was being called the Center for Democracy in Angola, Inc. Soon afterwards, Dan found information that this lobbying office was slated to close by an Executive Order signed by President Clinton. The office did indeed close in early February.

"It also became apparent that the gentleman who signs all verification cards for VORGAN, Mr. "Jaime de Azevedo Vila Santa," doesn't exist. In fact, when we would visit the office or call their telephone number this individual never seemed to be in.

"Reception reports can conceivably be mailed to the publisher of UNITA's news wire, the Angola Peace Monitor, but how they will react to reception reports is unknown at this time:

Action for South Africa 28 Penton Street London N1 9SA

Tel: +44 171 833 3133 Fax: +44 171 837 3001 E-mail: actsa@geo2.poptel.org.uk " (http://www.qsl.net/yb0rmi/vorgan.htm)

6225 **Radio Vorgan**, 1735-1805, Hi-life & western pop music with announcements in vernacular. Very short news-bulletin at 1800 with ID as "Radio Vorgan." Messy signal: sometimes poor to fair, sometimes nearly non-existent. [But not as non-existent as now!-AQ] Some jamming, but not constantly. (29-Jan/Pijpers/DSWCI DX Window/Veldhuis-NL)

AUSTRALIA Radio Australia changes/additions:
 0900-1200 Tok Pisin 12080 (extended, Brandon)

1200-1400	English	5995 12080 (extended, Brandon)
1330-1430	Vietnamese	11660 (extended)
1700-2100	English	12080 (extended, Brandon)
2130-2300	Bahasa Indo	11695 (ex-English)

(BBCM)

AZERBAIJAN Radio Baku current schedule: 0315-0400 Azeri, 1200-1300 Turkish, 1300-1500 Azeri, 1500-1600 Persian, 1700-1800 Arabic, 1800-1830 English, 1830-1900 Russian—All on a single SW frequency of 6110 (6-Feb/Timofeyev-RUS)

BANGLADESH 7185 Radio Bangladesh, 1600, Koran Recital followed by a song and commentary in Arabic, then songs in Arabic and Bengali, ID at 1600. Presumed Home Service or for that region as the word Betar not used (Betar=Overseas) Killed by Budapest *1630. (28-Jan/Vaghjee-MAU/DSWCI DX Window/Veldhuis-NL)

BELARUS Belarusian Radio's external service identifies itself as "Radiostantsiya Belarus" in Belarusian. In English it uses the identification "Radio Belarus International" or "Radio Minsk."

Some of the broadcasts listed below may include religious programming (eg "Das Wort")—airtime is hired to these groups on a commercial basis. Frequencies for all programs: 7105 and 7210 kHz.

0500-0530	Belarusian Su-Fr
0500-0530	English Sa
0530-0600	Russian Tu
0530-0600	German Su/Th
0530-0600	English We/Fr
0530-0600	Belarusian Mo/Sa
0600-0630	Belarusian
0630-0700	German Sa
0630-0700	Belarusian Mo-Sa
2000-2030	Belarusian
2030-2100	Belarusian Mo
2030-2100	English Tu
2030-2100	Russian Th/Fr
2030-2100	German We/Sa/Su
2100-2130	Russian Mo-We
2100-2130	German Th/Fr "Das Wort"
2100-2130	Belarusian Sa/Su

2130-2200 Belarusian Mo
2130-2200 English Tu/Th
2130-2200 German We/Fr/Sa/Su "Das Wort" Fr
only

(BBCM)

Radio Mogiljow, 5965, operates Mo-Fr 0700-1700, 20kW from former jamming site Orsha. (Ludwig/WWDXC TopNews/Bueschel-FRG)

Belaruskoye Radio home service is carried via former jammers at Grodno. After 1100 1st program (// 6115 and 7210 from Minsk-Kalodishchy) noted on 7140, 2nd program underneath SWF Rohrdorf on 7265. Such a outlet is or was operational on 7145 from Mogilyov, but today this channel was empty, not even a carrier present. (4-Feb/Ludwig-FRG/EDXP/Padula-AUS)

BOLIVIA 4409.00 **R. Eco**, Reyes, Beni, 2327, formal and rather understated ID by W, then into religious programming with some unaccompanied group hymn singing. (20-Feb/Novello-NC)

4449.32 **Radio Frontera**, 1020-1035, Weak signal and troubled by Latin harmonic? on 4450 (5-Feb/Wilkner-FL/DSWCI DX Window/Veldhuis-NL)

4471.82 **Radio Movima**, 0007-0015, Long flute solos. Excellent signal. (1-Feb/Wilkner/DSWCI DX Window/Veldhuis-NL)

4552.3 **R. Difusora Tropico**, 1140-1058 program La hora del navegante ID "Muy buenos dias amigo de radio Tropico" mx (7-Feb/Arrunategui-PRU/Chasqui DX)

4702.26 **Radio Eco**, San Borja, 2245-2255, Spanish, solo pipes music, songs. Covered by teleprinter at 2230. (29-Jan/Phillips/DSWCI DX Window/Veldhuis-NL)

4719.8 **Radio Abaroa** (p), Riberalta, 0040-0045, Spanish, mensajes. 13222 (15-Feb/Schnitzer/DSWCI DX Window/Veldhuis-NL)

4732.18 **Radio La Palabra**, 0000-0020. RITY after 0015. (13&14-Feb/Wilkner/DSWCI DX Window/Veldhuis-NL)

4923.8 **R. San Miguel**, Riveralta, 1035-1100 informe del representante de Riveralta ID "Gracias por la oportunidad que me brinda esta prestigiosa emisora Radio San Miguel..." (6-Feb/Arrunategui-PRU/Chasqui DX)

5952.3 **Radio Pio XII**, 0234*, Closing announcement in Spanish, mentions nominal 5955. (8-Feb/Nigro/DSWCI DX Window/Veldhuis-NL)

5964.77 **Radio Nacional Huanuni**, 1010-1020, Seemingly the one with threshold signal most mornings. (3-Feb/Wilkner-FL/DSWCI DX Window/Veldhuis-NL)

BRAZIL 3244.6 **R. Clube**, Varginha 2244 Presumed this one down slightly from nominal 3245 with soft

vocal ballads, into ads and/or promos in Portuguese at 2303, then back to songs at 2305. Weak/fair amid ute QRM and midsummer-level QRN. (21-Feb/Hill-MA)

4755.2 **Emisora Rural**, Campo Grande, 0230, Music, full ID in Portuguese, advertisements. (25-Jan/Bruni-IT/DSWCI DX Window/Veldhuis-NL)

4795.0 **Radio Difusora**, Aquidauana, Mato Grosso do Sul, 0210, Classical music until 0230, ID "Radio Difusora...nacional para o todo Brazil" IDs and mentioning AM and SW frequencies, and into religious programming. Uncommonly clean and clear signal tonight. (9-Feb/Novello)

4915.0 **Radio CBN**, Goiana, Goias, 0059-0104, Portuguese, M announcer, sports comments, news and time checks, ID "Radio CBN...Goiana, Goias ou Corazon do Brasil" time check "once horas e dois minutos." (3-Feb/Eramo-ARG/DSWCI DX Window/Veldhuis-NL)

4935.0 **Radio Capixaba**, Vitoria, 0030-0100, A voz da Libertacao religious program, then local IDs and music in Portuguese. Fair signal (31-Jan/Bruni-IT/DSWCI DX Window/Veldhuis-NL)

4945.0 **Emisora Rural A Voz Do Sao Francisco**, 2145-2206, Talk about the temperature "...a temperatura em Niteroi...dois a mais do normal..." at 2203 UTC the ID announcing the frequency "730 Khz em onda media...4945 em banda tropical..." ID like "...a Voz do Sao Francisco..." (31-Jan/Canonica/DSWCI DX Window/Veldhuis-NL)

4945.0 **Emisora Rural**, Petrolina, 0000-0125, Music, ID at 0030, then religious program till 0100, followed by music and advertisements. Noted often and with good signal. (26-Jan/Bruni-IT/DSWCI DX Window/Veldhuis-NL)

4955.0 **Radio Cultura**, Campos, Rio de Janeiro, 0904-0910, Portuguese, M announcer, Musical program, ID "...4955 KHz ondas tropicaes...Radio Cultura...Campos estado da Rio da Janeiro..." "Radio Cultura 24 horas..." (15-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

4974.89 **Radio Mundial**, Sao Paulo SP, 2254, With nondescript instrumental music to 2258, announcement by W, full canned ID by M mentioning 1150am and an "Onda Tropical" frequency, into news block 2300-2309. (1-Feb/Novello-NC)

6010.0 **Radio Inconfidencia**, Belo Horizonte, 0720, Laid-back folksy type of Brazilian music. M in Portuguese with tentative ID. Weak signal. (31-Jan/Pijpers/DSWCI DX Window/Veldhuis-NL)

6040.0 **Radio Clube Paranaense**, Curitiba, All talk in Portuguese with some advertisements. No ID, so tentative. Poor signal on clear channel. (30-Jan/Pijpers/DSWCI DX Window/Veldhuis-NL)

6040.46 **Radio Clube Paranaense**, Curitiba, 0730-0740, Portuguese, folk songs, ID. (29-Jan/Phillips/DSWCI DX Window/Veldhuis-NL)

9584.9 **Radio Globo**, Sao Paulo, 2057-2104, Ex-cited M reporters with sports in Portuguese, ID. (25-Jan/Veldhuis/DSWCI DX Window/Veldhuis-NL)

9665.0 **Radio Marumby**, Florianopolis, 2335-2340, Portuguese, M announcer, News, ID "Informativo Marumby as melhores informacoes" "esta em la sintonia da Radio Marumby." (6-Feb/Eramo-ARG/DSWCI DX Window/Veldhuis-NL)

9725.0 **Radio Clube Paranaense**, Curitiba, 2105-2110, Presume the one here with Portuguese talk (presumably sports). (25-Jan/Veldhuis/DSWCI DX Window/Veldhuis-NL)

11785 **Radio Guaiba**, Rio Grande do Sul, 0019-0025, Portuguese, Advertisements, Soccer match Brazil vs El Salvador, ID "A grande rede Guaiba da esportes." (9-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

11804 **R. Globo**, Rio de Janeiro, 2030, samba-flavored Brazopop mx and shouted "Globo" echo-effect ID. Weak but in the clear, and exactly on 11804. (15-Feb/Novello-NC)

11830 **Radio CBN**, Goiana, Goias, 0002-0012, Portuguese, M and W announcer, News, ID "Rede CBN..." "CBN a melhor Radio" "CBN noite total." (9-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

11915 **Radio Gaucha**, Porto Alegre, 0025-0032, Portuguese, Advertisements, Soccer match Brazil vs El Salvador, ID "A Gaucha a Radio da copa do mundo." (9-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

11925 **Radio Bandeirantes**, Sao Paulo, 0033-0038, Portuguese, Advertisements, Soccer match Brazil vs El Salvador, ID "O futebol em a Bandeirantes." (9-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

15414.79 **Radio Clube**, Riberao Preto, Sao Paulo, 0045, Melodic Brazilian vocals, DJ talk and tele-talk, advertisements, never an explicit ID. (28-Jan/Novello-NC)

BURUNDI 6140 **Radio Diffusion du Burundi**, 1745, News or talk on Saddam Hussain in African language, long list of names, followed by a short music and at 1750 announcement by M "You are tuned to Radio Burundi," followed by news in English to 1800, then mx. (31-Jan/Vaghjee-MAU)

CAMBODIA No trace of 4907, 6090, and 11940 signals. Seemingly all three transmitters are off the air. Latter one noted here in EUR still during Dec and Jan at 1258-1315 in Vietnamese. Phnom Phen carried very limited ncast of two minutes duration only, remaining progr fulfilled by VTN mx. The only radio stn from CBG noted "Radio of the Provisorial Govt of Cambodia" 1130-1210 5407. (Volk-PHL and THA, Jan 20-Feb 17/WWDXC TopNews/Bueschel-FRG)

CHAD 6165 **Radiodiffusion Nat. Tchadienne**, N' Djamena, 0528-0600, Mix of Chad & Radio Nederland via Bonaire, both signals more or less readable: M & W in French about "le SIDA" (aids), warning youthful persons against dangers. Clear IDs, but much weaker by 0600. (1-Feb/Pijpers/DSWCI DX Window/Veldhuis-NL) 1653-1705 mixing with ZNBC Lusaka and SRI in German. (29-Jan/Timofeyev-RUS/DSWCI DX Window/Veldhuis-NL)

CHINA CRI noted on several new outlets on Feb-15:
1030-1127 Cambodian 6550-B 9440-K 9870-K
1030-1127 In/Tagalog 6995-B 11445-X1
1100-1127 Esperanto 7170-J1 9535-B2 11575-B2
1100-1127 Mongolian 4850-B2 5145-B1
1100-1157 Vietnamese 7245-X1
1130-1200 Tagalog 6995-B 11445-X1 11700-X1
1130-1200 Burmese 6550-B 9880-K 11825-K
1130-1200 Thai 6010-K 6590-B 7350-K

Sites per NDXC: X=Xian, B=Beijing, K=Kunming, J=Jinhua (15-Feb/Padula-AUS/EDXP/WWDXC TopNews/Bueschel-FRG)

CNR has introduced a new Chinese channel on 5985 //7210 and is obviously fr the new high powered Urumqui relay. Best 1600 onwards after Yangon s-off. (15-Feb/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

Xinjiang People's Broadcasting Station, Urumqi

0000-0230	Kazakh	4970 4330
0000-0330	Mongol/ Kirghiz	5060 4980
0000-0730	Chinese	7385 6100 4500 3960
0330-0730	Uighur	7195-(Summer) 4735 3990-(Winter)
0500-0700	Mongol/ Kirghiz	5060 4980
0530-0700	Kazakh	4970 4330
1030-1650	Uighur	7195-(Summer) 4735 3990-(Winter)
1100-1650	Chinese	7385 6100 4500 3960
1130-1650	Mongolian/ Kirghiz	5060 4980
1200-1650	Kazakh	4970 4330
2300-0300	Uighur	7195-(Summer) 4735 3990-(Winter)
2330-2400	Chinese	7385 6100 4500 3960

(BBCM)

Nei Menggu People's Broadcasting Station, Hohhot, Station identification in Standard Chinese: "Neimenggu renmin guangbo diantai."

0000-0550	Chinese	6045 4620 4000
0950-1515	Chinese	6045 4620 4000
2150-2400	Chinese	6045 4620 4000

(BBCM)

Guangxi People's Broadcasting Station, Nan-
ning

0000-1600 Chinese 4915

2200-2400 Chinese 4915

(BBCM)

Guangxi Economic Broadcasting Station

2200-1600 Chinese/Guangxi 5010

(BBCM)

6937.20 **Yunnan Peoples BS** (p), 1110-1130,
with pleasant folk music. (31-Jan/Kecskes/DSWCI
DX Window/Veldhuis-NL)

**CHINA—TAIWAN Central Broadcasting System/
Voice of Taipei** broadcasts to mainland China:

0000-0100 Chinese-V 15125 9280

0000-0100 Amoy 11550 7130

0000-0200 Chinese-N 11725 9610 7250 7105

0000-0200 Hakka 15345 11745

0100-0200 Chinese-V 15125 9280

0200-0300 Chinese-N 11725 9610 7250

0200-0300 Chinese-V 15125 11970 9280

0200-0400 Amoy 11915 11550

0255-0500 Cantonese 9690 6040

0300-0400 Chinese-N 11725 7250

0300-0400 Chinese-V 11970 9280

0400-0500 Chinese-V 15320 11970 11775 9280
6180

0400-0900 Chinese-N 11725

0500-0600 Cantonese 15345 15270 11915 11825
11745 9690 6040

0500-0900 Chinese-V 11970 6180

0755-0900 Cantonese 9690 7445 6040

0900-1000 Chinese-V 15125 11970 6180 3335

0900-1000 Cantonese 9690 6040

0900-1000 Chinese-N 11725

1000-1100 Amoy 15345 11745 11550 7130

1000-1100 Cantonese 11915 9690 9610 7285
6040

1000-1300 Chinese-V 15125 7250 7105 3335

1000-1600 Chinese-N 11775 11725 9630 7105
6180 6085

1100-1200 Cantonese 15270 9690 6040

1200-1300 Cantonese 9690 6040

1200-1300 Mongolian 11905

1300-1400 Tibetan 11905

1300-1400 Amoy 11860

1300-1400 Cantonese 15345 11550 9690 6040

1300-1500 Chinese-V 15125 7250 7105 3335

1400-1500 Hakka 15345 11550

1400-1500 Uighur 11905

1400-1500* Cantonese 15345 9690 6040

1500-1600 Chinese-V 15125 7250 7105 3335
9610

1600-1800 Chinese-V 15125 7250 7105 3335

1600-2200 Chinese-N 11775 9630 6180 6085

1800-1900 Chinese-V 7250 7105 3335

1900-2200 Chinese-V 3335

2200-2400 Chinese-V 15125

2200-2400 Chinese-N 11725 9610 7250 7105

N=News network V=Variety network

* (BBCM actually said 1359-1400, but I think that's
a misprint-AQ) (BBCM)

**CLANDESTINE—AFRICA Radio Voice of United
and Free Ethiopia** (Amharic: Andit Netsa Ethiopia
Dimts Radio Agelgilot) is operated by the United
Front of Ethiopians formed by the Ethiopian National
Congress, opposed to the Ethiopian government.
Aerial bearings indicate the use of a transmitter site
in C.Asia. Sked in Amharic 1615-1715 We/Su on
7570. Addr: PO Box 547, Swathmore, PA 19081, USA.
E-mail: uniteethiopia.org URL: www.ethiopia.org
(RealAudio available) (19-Feb/BBCM)

11540nf **R. Kudirat**, 1913. Tuned in as M was
giving program details, brief mx, a few news items,
lengthy anti-Abaja commentary, soliciting answers
to a "market research" summary (listening habits,
demographic information, etc). Program in local
language 1935. Off after quick anthem 2001. Noth-
ing heard on usual 6205. (23-Feb/Novello-NC) Noted
weakly on 6205 //better new 11540 (24-Feb/
Rausch-NJ)

CONGO—DEMOCRATIC REPUBLIC Radio

Kisangani radio resumed its transmissions 1st Feb
after a 72-day break as a result of floods. Now test-
ing on new 11455 (BBCM)

11455U **Radio Kisangani** (t) might have been
them testing at 1745-1815 with non stop loop of
drums, still USB without carrier, so seemingly they
fixed their old PtP transmitter, now again being
used for broadcasting. (11-Feb/Kuhl-FRG/WWDXC
TopNews/Bueschel-FRG)

CONGO—REPUBLIC OF 9610 RTV Congolaise

(t), Brazzaville, 1100-1115. French. M with firstly
Regional then Southern African and finally World
NX items. ID heard as "Radio Congo?". 33232 (11-
Feb/Clemitsen/DSWCI DX Window/Veldhuis-NL)

COSTA RICA Radio For Peace International
schedule:

0000-1200 6980U 7385

1200-1700 7385 21465

1700-2200 15050U 21465

2200-2400 7385 15050U 21465

Note that 21465 is now in AM mode. (RFPI via
rec.radio.shortwave/DSWCI DX Window/Veldhuis-NL
+ Hauser/World of Radio)

CROATIA Croatian Radio/Hrvatski Radio

0600-1230 Croatian 7185 6175

1230-1400 Croatian 13830 7185 6175

1400-1500 Croatian 13830 7185 6175

1500-1530 Croatian 13830 7185 6025

1530-1830 Croatian 13830 7150 6025

5 minutes of news in English is broadcast at 0705

(Mo-Sa), 0805 (Su), 0905 (Mo-Sa), 1005 (Su), 1305, 1905 and 2305 (BBCM)

EGYPT 7300.00 *Voice of Arabs*, 1835-1930+, In Arabic, with Middle Eastern songs and short commentaries mentioned Kashmir, Pakistan and some other countries of the region. At 1912 ID "Sout al-arab min al-quahira." Good signal S9+20db despite of co-channel VoR. Nothing except VoR was heard on following days. (28-Jan/Pashkevich/DSWCI DX Window/Veldhuis-NL)

ERITREA 7085 *Voice of the Broad Masses of Eritrea*, Asmara, 1749-1805, Usual dynamic sounding music with talk in tentative Tigrigna. Good signal with some faint UTE QRM. (30-Jan/Pijpers/DSWCI DX Window/Veldhuis-NL)

ETHIOPIA 7165 *Radio Ethiopia*, Gedja, 1717, Ethiopian songs presented by M announcer in French. At 1723 ID and continued with song program. At 1730 W ID & local- and UTC time. Then talk by M on Development program of Ethiopia. (28-Jan/Vaghjee-MAU/DSWCI DX Window/Veldhuis-NL)

11800 *Voice of Peace*, talk and Somalian songs, Then in English "You been listering a Somali program produced by Voice of Peace from the external service of Radio Ethiopia. We shall be back again tomorrow in the 25 and 31 meter band- thank you for listening," s/off. (28-Jan/Vaghjee-MAU /DSWCI DX Window/Veldhuis-NL)

FINLAND World Radio and TV Handbook 1998 contains—again—wrong information about *Radio Finland's* QSL policy. Radio Finland will verify reception reports directly. QSL cards can be obtained only through the address: Radio Finland, Raimo Makela, PL 113, 28101 Pori, Finland. Reception reports outside Europe are welcome! Return postage is also welcome! (21-Feb/Makela-FIN/rec.radio.shortwave)

FRENCH POLYNESIA 15170 *RFO*, Tahiti 0108 Bland, generic pop ballads segued till 0129, when announcement by W in presumed French followed by possible ad; low audio and sharp, deep fades. Fair at first, then nosedived rapidly to threshold level by 0130 and was only a faint het by 0158 recheck. Entered this in the log as "Tahiti back on?," confirmed by Bob Padula e-mail received this morning. Obviously they either obtained a new xmtr or refurbished the old one. (22-Feb/Hill-MA) Since 21 Feb, RFO at Papeete has been noted with greatly improved signals on 15170. Freq is exact 15170.0, not drifting, and signal strength has been excellent during the Australian daytime period. Signals noted from as early as 1900 and audible to past 1000, apparently 24-hr operation. Programming is in Tahitian and Fr until 0600. News at the top of the hour in French fr Paris, satellite fed. Fr 0600-1000+ UTC,

programming is mainly a relay of the RFO dom sce (VHF and MW), carrying France-Inter, fr Paris. This is NOT the same progr as Radio-Monde-1, audible on many SW freqs in this period. I suspect that a NEW transmitter has been put on line, as modulation quality and level are both excellent, quite unlike the previous erratic, weak, and drifting signal. Credit to Chris Hambly, here in Melbourne, for first alerting me to this. (22-Feb/Padula-AUS/EDXP/WWDXC TopNews/Bueschel-FRG)

GEORGIA 6285 *Voice of Hope*, Dusheti, 1956, noted here ex-6280 with ID and fair signal. (20-Feb/Novello-NC)

GHANA 4792.9-4793.5v *GBC R. 1* The unID African heard drifting up and down this range for the past couple of weeks turns out to be a spur of 4915. On Feb. 22, noted with talk in English, choral anthem and s/off at 2400. Interesting that the spur drifts but the fundamental doesn't. (22-Feb/Hill-MA)

GREECE *VOA* EE via Kavala 2100-2200 now on 6095 (ex-6090) to escape Skelton QRM. (Kim Andrew Elliott/Ludwig/DSWCI DX Window/Veldhuis-NL)

ERT Athens sce at 0900-0950 now noted using 15420 (x15415) and heard //9590 Delano. Listed 15415 Avlis 100 kW. Also heard on air 9690 at 1330 //9420, but behind. I presume 9690 is via Greenville (x9580) and transmission 1200-1400. (9-Feb/Green-UK/WWDXC TopNews/Bueschel-FRG)

GUATEMALA 3300.0 *Radio Cultural*, Guatemala City, 0800-0815, Spanish religious program, hymn on prolonged service. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3325.0 *Radio Maya*, 0229-0325+, Local language. Good. (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

3360.0 *Radio La Voz de Nahuala*, 0226, ID as "Radio La Voz de Nahuala," program preview. Good, also at 1230 but gone recheck 1430. (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

3370.0 *Radio Tezulutlan*, 0215, Local language, religious. Good, same at 1230 indigenous ID. Silent 1430. (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

3380.0 *Radio Chortis*, 0222, "Gali Galiano," songs. Good, also at 1230, silent 1430. (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4780.0 *Radio Cultural Coatan*, 0207, Fine ID, ballads. Good. Seemingly S/on at 1230, strong with ID 1229. (15&16-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4800.0 *Radio Buenas Nuevas*, *1225, S/on with orchestral NA, indigenous ID. Good (16-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4825.0 **Radio Mam**, around 1240, not on air. Strong January 17 0000 with Mam ID. (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4835.0 **Radio Tezulutlan**, 1230. Strong (15&16-Jan/Krone/DSWCI DX Window/Veldhuis-NL)

4845.0 **Radio Kekchi**, 1245, Saludos y avisos with mixed Kekchi and Spanish, Kekchi ID in midst of song. Strong (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4910.0 **LV Mosquitia**, 1230, still not active (15&16-Jan/Krone/DSWCI DX Window/Veldhuis-NL)

5965.0 **Radio Cultural**, around 1245, could not be heard in Honduras (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

5980a **AWR**, 1245, A very weak station here, so only maybe active. (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

6180.0 **La Voz de Guatemala**, 0200, and checked 1450 also, nothing so as expected probably not active. Again checked Jan 16 but only the Chi noted (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

GUYANA 3290 **GBC**, 0900-0920; Back on this frequency, with 5949.50 vacant. Subcontinental music, excellent signal with usual DJ, announcements. (27-Jan/Wilkner-FL/DSWCI DX Window/Veldhuis-NL) 3289.89, **GBC**, Georgetown, 0455-0507, Accented English announcer playing medleys of old pop tunes with profiles or artists; UTC-4 TC's. Back on 90mb this date but off-channel former 3290.02. Strong. Returned to 5959.42, however, as on January 29 at 0602 with jazz music. (27-Jan/Clark/DSWCI DX Window/Veldhuis-NL)

5949.5 **GBC**, 0930-0950, Middle Eastern music and ID's as **GBC** and **VOG**. Family Radio killed **GBC** at 0950. (25-Jan/Wilkner-FL/DSWCI DX Window/Veldhuis-NL)

HONDURAS 3250.0 **Radio Luz y Vida**, 1230, Spanish, local greetings. Strong, as at 1435 when heavily US accented Spanish religious (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4820.0 **LV Evangelica**, 1230-1300. Strong (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4930.0 **Radio Internacional**, 1225, San Pedro Sula announcements. Weak, but had grown strong at 1430. Checked again January 17 at 0010 but not active at that time (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

4960.0 **Radio HRET**, 1230, and Jan 17 at 0005— not active (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

5890.0 **HRMI** After an absence of several months, back here from tune-in 1232 with quite strong but broken-up signal, music and Halleluyahs;

1233 ID in Spanish as "**Radio M-I**." C&W/gospel music, transmitter cutting off and on. 1236 full produced ID giving 1480 and 5890 frequencies, 1237 time as 6:40am and live local announcer/preacher with usual florid yadda-yadda-yadda; seems to be a warble on the carrier when it is on. At 1256 was mostly off and not heard after 1300. This would be the new transmitter they were expecting in December. On again the following evening but with considerable co- and adjacent-channel interference; 0430 Jan 26 had Spanish preaching with consecutive English translation, 0501 brief s/off announcement spelling out "K-H-Z" twice in Spanish, gave sked at 6am-11pm, 0502* (25-Jan/Hauser-OK)

6075.0 **La Voz del Junco**, 1230, not active (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

6300.0 **R. Sani**, 1230, not active (15-Jan/Krone/Roatan/DSWCI DX Window/Veldhuis-NL)

HUNGARY R. Budapest to NoAM replaced 6030 by 6035, 0100-0200, 0230-0330 Hu, 0200-0230 En co-ch DW & VoA. 1000-1100 (Suns-1200) in Hu to AUS new 17805 (x17790), co-ch RL in Ru fr 1100 2030-2100 Suns only in Se new 9670 (x9535), under DW in Po. (16-Feb/PANVIEW-BUL/WWDXC Top-News/Bueschel-FRG)

ICELAND Rikisítvarpid Reykjavik noted on a third channel for 1215-1302 UTC broadcast to EUR v15639.86, //nominal 11402 and 13860. In the past the station used 19 mb channels of 15770 15775, or 15790. Observed also in 1855-1930 time slot or 5055 and 7735. (25-Jan/Buschel-FRG/DSWCI DX Window/Veldhuis-NL)

INDIA 3390 **AIR Gangtok**, 1220, 1234 & 1245, Surprised to find this audible at fair level with talk by M at 1220 in absence of usual powerful UTE. English news by W at 1234, //4860. Then hampered by local QRM but seemed to switch to local program at 1235 not //4860 Hindi news by M. Still detectable thru local noise with talk by W at 1245. (25-Jan/Clark ON)

4760 **AIR Port Blair**, 2315-2332, fairly strong ON at tune-in, modulated tone from 2318, AIR IS a 2332 to *2325 with a choral anthem. Brief opening announcement by M at 2326, then sub-continental chants w/sitar music. Time pips at 2330, then into talk by M. Fair+ and as best I've hrd it at local morning s/on. Presumably LP, this being well before 0010 xmtr SR. Actually weaker after 2330, perhaps attributable to path transition. * 1155 Jan 25, sub-continental vocal noted in passing at strong level, soon after 1149 xmtr SS; weaker at 1210 recheck. (24 Jan/Clark-ON)

5040 **AIR** new frequency, but not sure of the sit just yet, Heard with solid election coverage during 1500 and 1600 hours. Perhaps a special program or an existing AIR outlet on a new channel. Nothin

on February 10. February 11, 1433, with english news and AIR ID. Maybe this frequency will be used for Election coverage which will be held in the coming month in India. (9-Feb/Vaghjee-MAU/DSWCI DX Window/Veldhuis-NL)

Another point of interest lately with AIR stations is my log and that of Mahendra Vaghjee of Mauritius on Feb 9 of an unID AIR station on 5040 kHz, as early as 1445 and to after 1625+. I thought it strange to hear subcontinental music on this frequency which is usually dominated by RRI Pekanbaru. Rechecking at 1550 revealed AIR Home Service news in English, parallel many other AIR channels. Unfortunately, after 1555, the transmitter began to periodically cut out. A further recheck at 1625 had them back with talk in Hindi but the signal was fading out rapidly by this time (08:30 local). Mahendra mentioned current election coverage in India as a possible explanation. The site, however, is unknown. (Martin/World Radio Report/Clark-ON)

For about four days from Mar-02 all AIR stations will operate 24-hrs for election results, except the results from Kashmir will be on Mar-08 only. Look out for Srinagar 4950 6110, and Leh 4760 6000.

External Service changes:

0130-0229 Nepali 9550 ex 11715; 0400-0530 Farsi/Ar add 11730; 0700-0800 nepali 9595 and 11850 deleted; 1145-1315 Ch add 11550; 1215-1330 Tibetan delete 9565; 1615-1730 Hindi add 13770.

Home service changes (Delhi): 1330-1335 11835 ex 9565; 0125-0400 11815 ex 15135; 0730-0850 11850 ex 15185; 0700-0850 17860 ex 15260; 1330-1740 11835 ex 9565; 1515-1740 add 9835; 1115-1140 15185 deleted.

Updated 6 and 7 MHz usage for Home Service:

6000 10 **Leh** 0655-0900
 6020 50 **Shimla** 0215-0400 (Sun 0415-1000)
 0700-0936 1130-1230
 6045 20 **Delhi-Khampur** 0228-0300
 6085 10 **Gangtok** 0700-0930
 6110 50 **Srinagar** 0215-0453 (Sun to 1115)
 0600-1115
 6140 50 **Ranchi** 0215-0406 (Sun to 0430) 0700
 (Sun 0630)-0951
 6150 50 **Itanagar** 0700-0900
 6150 50 **Delhi-Kingsway** 12202-1310 1330-
 1340 1345-1430 1445-1615/1730v
 1730-1740
 6190 50 **Delhi-Kingsway** 0730-1030
 7105 50 **Lucknow** 0630 (Sun 0415)-0930 0935-
 0936
 7110 20 **Delhi-Khampur** 0030-0040 0125-0135
 0215-0225 0228-0320 0330-0355
 (Sun 0400)
 7115 10 **Port Blair** 0315-0356 (Sat 0415, Sun
 0505) 0700-0851 (Sun 0951)
 7120 50 **Jaipur** Sun v0420-0600 0700(Sun
 0630)-0941
 7130 50 **Shillong** 0655-0930

7140 50 **Hyderabad** 0228-0415 (Sun 0431)
 0630-0930 (Sun 0530-1130)
 7140 100 **Delhi-Kingsway** 1600-1615/1730v
 1730-1740
 7150 50 **Imphal** 0230-0430(Sun 0530)
 0700(Sun 0630)-0945
 7160 50 **Chennai** 0300-0415/0430 (Holidays
 Sat 0430-0445, Sun 0545 0710(Hol
 0610, Sun 0630)-1030 (Sat, Sun 1130)
 7180 50 **Bhopal** 0228-0410 (Sun 1135) 0700-
 0945
 7210 50 **Calcutta** 0230-0401v 0730-0941
 7230 50 **Kurseong** 0630-1030
 7240 50 **Mumbai** 0530(Sun 0415)-1035
 7250 250 **Panaji** 0130-0229 (External Service)
 7280 50 **Guwahati** 0600(Sun 0530)-0911 0945-
 1145).
 7290 50 **Thiruvananthapuram** 0230-0400
 0630-0930/1015 (Sun 0500-1015)
 7295 50 **Aizawl** 0700-0930
 (1-Feb/Jacob/EDXP/Padula-AUS)

INDONESIA 3126.9 **RPDT2 Halmahara Tengah** Local pops & W talk at 1415. Closing announcement by M and closing music at 1430. Closed down at 1432. Poor. (9-Feb/Yamada-JPN/Jembatan DX)

3127.5 **RPDT2 Halmahera Tengah** Local pops at 1350. Closing music at 1431 then signed off. Poor. (5-Feb/Yamada-JPN/Jembatan DX)

3264.6 **RRI Gorontalo**, Local pops at 2021. Ramadan special program at 2026 including singing fowl indicates sunrise at 2029. Local pops again at 2042. ID by M at 2059, then SCI. Jakarta news relay at 2100. Fair. (25-Jan/Yamada-JPN/Jembatan DX)

3344.8 **RRI Ternate**, Local pops at 1349, IS at 1359. At 1400 time pips, time announcement & announcement as "Radio Republik Indonesia Ternate dengan Sari Berita" then local news. ID at 1410 then popular music program. Fair. (10-Feb/Yamada-JPN/Jembatan DX)

3395.1 **RRI Tanjungkarang**, 2250-2303, and 2250-2308 fade out on February 6, continuous pop music vocals until SCI at 2259 followed by Jakarta news. Local ID noted at 2259 prior to SCI on February 6. Poor on February 5 but fair on February 6. (5-Feb/D'Angelo-PA)

3905.0 **RRI Merauke** (p), 1153-1214, Continuous pop vocals until presumed site ID by M prior to SCI, RRI ID by W and Jakarta news by M at 1200. Fair at peaks and somewhat muffled audio and ham splatter made this more difficult than need be. (8-Feb/D'Angelo)

3933.9v **RRI Semarang**, Active again! I can hear around 1145-1350#. Popular music, ID, 1159 SCI, 1200 *Warta Berita* from Jakarta, then Javanese music. At 2200 relay of Jakarta news *Warta Berita Ekonomi, Keuangan, dan Industri*. Very difficult reception because of strong jammer splatter. Best in SSB/USB! (20-Jan/Schulze-PHL/Jembatan DX/Yamada-JPN)

3933.9 **RRI Semarang**, 1918 all night wayang performance. Quite a nice signal, with ZLXA-3935 apparently off air. Reactivated after a protracted absence. (31-Jan/Foster/Numero Uno/Jembatan DX/Yamada-JPN)

3960.3 **RRI Palu**, 1440-1535#. Quran program, relay of Jakarta news *Aneka Berita* at 1500, Bagimu Negeri at 1523, popular music with singer group till s/off. Moderate. (24-Jan/Schulze-PHL/Jembatan DX/Yamada-JPN)

3960.3 **RRI Palu**, 1114-1130 with moderate signal at the same time RRI Semarang on 3933.9v was active. (26-Jan/Schulze-PHL/Jembatan DX/Yamada-JPN)

3976.04 **RRI Pontianak**, 1950-1110, Local newscast until 1104, then ID was given "Inilah Radio Republik Indonesia Pontianak program regional." (5-Feb/TIN/DSWCI DX Window/Veldhuis-NL)

3996.1 Unidentified. Heard at 1613 and all times relay of RRI Jakarta program. At 1630 ID as "Radio Republik Indonesia Jakarta."//4777.1. Poor. (23-Jan/Yamada-JPN/Jembatan DX)

4606.3 **RRI Serui**, Local pops at 1435. ID at 1444 as "Inilah Radio Republik Indonesia Stasiun Serui," then local music. SCI at 1458, Jakarta news relay at 1500. Still heard at 1600. Sign off time was changed again. (1-Feb/Yamada-JPN/Jembatan DX)

4606.4 **RRI Serui**, Local pops at 1336. Love Ambon with Closing announcement including ID at 1400. Closed at 1403. Former sign off time was 1615. Fair to poor. (23-Jan/Yamada-JPN/Jembatan DX)

4753.23 **RRI Ujung Pandang**, 0955, Lagu hiburan. Good. (1-Feb/TIN/DSWCI DX Window/Veldhuis-NL)

4753.4 Unidentified. 1310-1325+ a piece of Quran, 1314 dangdut music like Indian style. Weak signal. Strong splatter QRM from RRI Ujung Pandang on 4753.30. (24-Jan/Schulze-PHL/Jembatan DX/Yamada-JPN)

4753.4 **RRI Ujung Pandang**, talk & local pops including "Cintailah Aku" by A.B. Three. ID at 1458 as "Programa Satu, Radio Republik Indonesia...Ujung Pandang," then SCI. Jakarta news relay at 1500. Fair. (10-Feb/Yamada-JPN/Jembatan DX)

4789.1 **RRI Fak Fak**, Talk by W at 0955, but I could not confirm the existence due to heavy QRM from Zhejian PBS on 4785kHz around 1000. At 1014 confirmed local pops program again. Very poor. (7-Feb/Yamada-JPN/Jembatan DX)

4845.21 **RRI Ambon**, 0957-1003, Rayuan Pulau Kelapa & Jakarta news relay. Fair. (1-Feb/TIN/DSWCI DX Window/Veldhuis-NL)

4925.0 **RRI Jambi**, 1116-1130, Lagu hiburan and M talk in Indonesian. Fair. (3-Feb/TIN/DSWCI DX Window/Veldhuis-NL)

7231.1 **RRI Fak Fak**. Lagu populer program at 1533. Fair to poor. (24-Jan/Yamada-JPN/Jembatan DX)

9552.4 **RRI Ujung Pandang**, Relay from RRI Jakarta's program which mentioned Ramadan at 0815. Local ID was heard at 0821, then followed to dangdut music. Suddenly signed off at 0839. Fair. (31-Jan/Yamada-JPN/Jembatan DX)

9680.0 **RRI Jakarta**, Cimanggis. Local pops at 0932. ID of *Programa Nasional Dua* was heard at 0934. //15150. Poor. (7-Feb/Yamada-JPN/Jembatan DX)

11760.0 **RRI Jakarta**, *Warta Berita Ekonomi Keuangan dan Industri* at 1305. Canned ID at 1317 then station jingle with instrumental music as "Hi, Indonesia! Inilah RRI Programa Nasional." "Selamat Malam Indonesia" at 1318. Fair. (23-Jan/Yamada-JPN/Jembatan DX)

11785.0 **V.O.Indonesia**, 0150-0212, At 0150 EE program with local pops & talk. Love Ambon with closing announcement of EG service at 0158. Indonesian service started at 0201 with opening music & announcement. "Warta Berita" at 0204. Fair. (1-Feb/Yamada-JPN/Jembatan DX)

15125 **RRI Jakarta**, Cimanggis, 1344-1355 with the Ramadan's final day special progr, usual ID at 1355 as "Inilah Radio Republik IndonesiaPrograma Nasional Satu." //3215, 3232, 3250, 3265, 3345, 3385, 3395, 3905(two), 3976, 4000, 4003, 4697, 4753, 4925, 5040, 9630, 11760, (29-Jan/Timofeyev-RUS/BCDX/Jembatan DX/Yamada-JPN) Islamic religious tlk at 2222, ID by M at 2236 as "Radio Republik Indonesia Jakarta, Programa Nasional Satu sama-sama Programa Ibukota Satu," This ID means this program is also broadcasted by "Programa Ibukota Satu" program, Good to fair, (30-Jan/Yamada-JPN/Jembatan DX)

15150 **RRI** Domestic service, Indonesian, at 12:59 S/off, Good signal. (7-Feb/Umemura/DSWCI DX Window/Veldhuis-NL)

Per station, **RRI Mataram** is sked 0900-1200 on 3223, but still off air due to ongoing repairs. (Foster-AUS/Jembatan DX/Yamada-JPN)

Per **RRI Kupang**, 3260 1kW 0000-0900 RRI transmitter, located at the studio 3385 10kW 2100-2400, 0900-1400 Harris transmitter, located at Tampuan and reactivated on 25 Oct 1997. (Foster-AUS/Jembatan DX/Yamada-JPN)

Per station, **RRI Palembang** 4855 10kW off air since 1994 due to severe breakdown of 1951 Gates transmitter. (Foster-AUS/Jembatan DX/Yamada-JPN)

RRI Samarinda on 9614.3 now signs off at 0650. (31-Jan/Yamada-JPN/Jembatan DX)

RRI Jambi returned from 4927kHz to 4925kHz at 1300-1700 at the end of January. (Yamada-JPN/Jembatan DX)

RRI Manado on 3215.0kHz changed sign off time from 1300 to 1605 at the end of January. (Yamada-JPN/Jembatan DX)

Over the past couple of weeks, **RRI HF** freqs out of Jakarta have been very unreliable, with frequent long transmission breaks on both the domestic and international sces, incl 9525, 9630, 11750 and 11760 kHz. I'm not sure what the reason is—at first I thought it might be due to thunderstorms, but the breaks didn't seem to correlate with the weather! (11-Feb/Davies-SNG and INS/WWDXC TopNews/Bueschel-FRG)

IRAN VoIRI Tehran changes: 1430-1530 7150 & 9780 Unid lang (Urdu/Dari/Tajik?). [Scheduled 1430-1500 Tajik 7180 11830. 1500-1526 Kaz 7160 9585 9735 11960.] 1430-1525 Bengali new6095 [x5995?] 7215 9745 11830. 1530-1630 English new6095 7215 new9780 [x11790 x13605]. 1730-1827 German new6150 7135 7260 9022. (8-16-Feb/PANVIEW-BUL/WWDXC TopNews/Bueschel-FRG)

IRAQ Republic of Iraq Radio (Arabic: "idha't jumhuriyat al-iraq min Baghdad") and **Mother of Battles Radio** (MOBR below) aimed at neighboring countries:

0215-2030	Kurdish	6560-irreg
0255-0015	Arabic	11785v(irreg 1000-1200) 11292v(irreg) 9715v(irreg) 0700-1000)
1715-2100	Arabic-MOBR	9715v

(BBCM)

Recent checks on Iraqi radio reception have yielded the following results: **Rep of Iraq Radio's** main progr occasionally on 11785 after 1000. It is also sometimes observed on 11292 after 2000. **Mother of Battles Radio**, a service aimed at neighbouring countries, was observed on 7th Feb 1715-2100 9715. **Radio Iraq International** -Iraqi Radio's ext sce. **Voice of the Masses**—Iraqi Radio's second program, and the Kurdish progr from Baghdad have not been observed recently. (13-Feb/BBCM via AGDX/WWDXC TopNews/Bueschel-FRG)

ISRAEL Kol Israel in Arabic 1300-2230 new 15430 (x15480), //5915, 9815. (16-Feb/PANVIEW-BUL/WWDXC TopNews/Bueschel-FRG)

KAZAKHSTAN Radio Almaty new schedule times:

0615-1000	Ukrainian	11840
0700-1000	Ukrainian	9620
1100-1600	Ukrainian	11840
1100-1600	Ukrainian	9620
1140-1200	English	Tu/We
1200-1220	English	Fr/Sa
1200-1220	German	Su/Mo/We/Th
1200-1220	Turkish	Tu
1220-1240	Russian	We/Su

1240-1300	Ko	Su/Mo/We/Fr
1240-1300	Russian	Tu/Sa

remaining schedule in Kazakh (10-Feb/Lieberwirth-FRG/WWDXC TopNews/Bueschel-FRG) [Sorry it's sketchy—that's all I got!—AQ]

Here is an interesting observation: I tried to check the frequencies of **Kazakh Radio** between 1500 and 2000 on January 29th. There were bad results: no any signals on all ones! Latest monitoring schedule from January 15: 4545 6180 11950 0000-2000 Prog.1, 5260 9505 0100-1800 Prog.2 is completely inactive...On January 30 between 0000 and 0200 I could find only one active 11950 with Kazakh and Russian ann as "Kazakh Radio...Akmola..." at 0008 and as "Kazakh Radio...Almaty..." at 0100. All "Ukrainian" frequencies (7290,9620,11840) were also out of use on Jan 29-30. No any exact information about the situation yet. (Timofeyev-RUS) In addition to my previous report: Kazakh Radio 1st program on 11950, 2nd program on 9505 (//7290, 9620, 11840 via Ukraine)—All other frequencies are inactive at present (5-6-Feb/Timofeyev-RUS)

KOREA (NORTH) Pyongyang Broadcasting Station on 6250 was observed on approx. 6248 on January 24 from 0100 until S/off at 2030 and again on Jan. 26 from 0300. As of 0830 both 6250 and 6400 are off the air for presumed power shortage. It was back to 6250 sharp temporarily around 1500 on Jan. 25, but drifted 2 kHz to 6248 the next day. If this is an attempt to evade QRM from the strong Japanese utility station on 6251, it is in fact quite effective. There is also a strange utility signal on 6393 that sounds the same as 6251, and it effectively jams 6400 when it is on 6398v as is often the case. I don't know who runs 6251 and 6393, but a friend who is a telecom specialist says they don't sound like any real utility transmission. One suspects these are jammers in disguise, but who? Today, when Pyongyang was on 6400 sharp, up 2 kHz from the usual 6398v, reception was much better than most days. Mystery deepens. I will keep up my night watch. (26-Jan/Ashimori-JPN/DSWCI DX Window/Veldhuis-NL) Further to my recent reports, at 1500 on Jan. 28, **Pyongyang Broadcasting Station** was observed on 3250, 3320, 6250 (back from 6248), and 6399 (as usual). As of 0700 on Jan. 29, 6399 is off the air, others unchanged. (Ashimori) North Korea's power shortage seemingly subsided slightly during the first weeks of January, but now it is obviously getting worse again as some of domestic and international broadcasts are constantly observed off the air. (Ashimori)

Korean Central Broadcasting Station

0000-1800	Korean	11680 11400 9665 6100 3960
		3350 3220 2850 2350
2000-2400	Korean	11680 11400 9665 6100 3960
		3350 3220 2850 2350

(BBCM)

LAOS Foreign sce of *Lao National Radio* Vientiane on SW is still inactive at present. No signals on 7116 or 7145 either. Active stns are obviously LNR Vientiane on 6130 kHz (strong signal the whole day) and LNR Luang Prabang auf 6975v (irregularly and weak signal). All other stns mentioned in WRTH couldn't been traced, are seemingly inactive. (Volk-PHL and THA/Jan 20-Feb 17/WWDXC TopNews/Bueschel-FRG)

LEBANON *Voice of Hope*, Marj Uyoun

0000-1300	Arabic	9960
1300-2100	EE/Pers/TK/RR	9960
2100-0000	Arabic	9960

(BBCM)

LIBERIA "We are glad to inform you that **STAR Radio's** prgms resumed this morning at 0500am For more information, please see the press release sent separately. We take this opportunity to thank all the subscribers who supported STAR Radio during the stand-by period." (February 6, Star Radio Daily News E-mail). Schedule given at the end of the message is the same as was given before the closedown: FM 104 MHz., SW at 0500-0800 on 3400, 1700-2100 on 5880. (Berg) From the press release: "The independent radio station STAR Radio, broadcasting from Monrovia (Liberia), has resumed broadcasting on after one month of suspension ordered by the Liberian Ministry of Posts and Telecommunications due to an alleged illegal allocation of broadcast frequencies. STAR Radio's request for resuming its activities has been supported by various Liberian Ministries, and an authorization of broadcast has been issued by the Minister of Posts and Telecommunications. Since the suspension of the radio's programs in January, STAR Radio has received many messages of appreciation and support from its listeners and from the people who were reading STAR Radio's news on the Internet. International press freedom agencies also expressed their support. STAR Radio was created in July 1997 by the Fondation Hirondele in order to provide an independent source of information to all Liberians, and to assist the country ravaged by seven years of civil war in the process of reconciliation and reconstruction. STAR Radio's main news bulletins are aired in 14 vernacular languages, as well as in English, Liberian-English and French. The project is funded by the U.S. Agency for International Development through the international Foundation for Election Systems (IFES). STAR Radio's news and programs are compiled, edited and broadcasted by nearly 100 Liberian journalists, technicians and administrative staff. Fondation Hirondele was created in 1995 by Swiss journalists in order to provide independent and impartial information to populations deprived of such by a conflict or a natural disaster." (via Berg/DSWCI DX Window/Veldhuis-NL)

Star Radio, Monrovia

0500-0800 smtwfts	Multilingual	3400
1700-2100 smtwfts	Multilingual	5880

(BBCM)

MADAGASCAR 3140 *Radio Malagasy*, Antananarivo, 1837-1850, Malagasy. Mix of local and French vocal musical items. M announcer with ID at 1845. / / 5009.4 Talata-Volondry (5-Feb/Clemitsen/DSWCI DX Window/Veldhuis-NL) I can confirm reports that Madagascar seems to alternate between 3140 and 3288. When ever I checked before on seeing Vakilav's reports I found the stn on 3140. However, on 13th Jan good reception on 3287.2 //5009.5 and not even a carrier on 3140. Reception starts the come in around 1600 on 3 MHz and 1500 on 5 Mhz. (15-Feb/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

MALAYSIA 4894.98 *RTM*, Kuching, 2210 & 2215, Bits of talk and then instrumental music, very weak although solid carrier, no sign of usually dominant Brazilian. About the same carrier strength on typically better 5005 but no quite making it to audio. (24-Jan/Clark)

4969.53 *RTM*, Kota Kinabalu, 2207 & 2219-2221, EZL instrumental music at weak but quite readable level initially, weaker at recheck with talk by W & M, chants leading into vocal number at 2221. (24-Jan/Clark)

5029.95 *RTM*, Kuching, 2214, Talk by W distinguishable but very weak audio in spite of better than usual carrier level. (24-Jan/Clark)

Latest official schedule for SW services from **RTVM-Sarawak**, as provided by station, updating PWBR98, WRTH98, and SWFR98:

0000-0100	Iban-L	5005S 6050S
0000-1500	Iban-R	3385M 6060M
0100-0330	Schools	4895K 5030K 7130K 7160K
0300-0400	Iban-L	3385M 6060M
0400-0500	Iban-R	3385M 5005S 6050S 6060M
0400-0500	Chinese	4895K 7160K
0400-0500	Iban	7270K
0400-0600	Bidayuh	5030K 7130K
0500-0700	English	4895K 7160K
0500-0800	Kayan/ Kenyah	7270K
0700-1000	Chinese	4895K 7160K
1000-1200	English	4895K 7160K
1000-1500	Iban-R	5005S 6050S
1030-1200	Iban	7270K
1030-1500	Bidayuh	5030K 7130K
1200-1400	Chinese	4895K 7160K
1400-1600	English	4895K 7160K
1400-1600	Iban	7270K
2000-2200	Iban-R	3385M 6060M
2200-0100	Iban	7270K
2200-1600	Malay	7145K
2200-2330	Chinese	4895K 7160M

2200-2400 Bidayah 5030K 7130K
2200-2400 Iban-R 3385M 5005S 6050S 6060M
2330-0100 English 4895K 7160K

Legend: K=Kuching, M=Miri, S=Sibu, -L=Local program, -R=Regional program

Reception reports are to be sent to Secretariat Section, Broadcasting House, Jalan P. Ramlee, 93614 Kuching. FAX: +60 82 241914. (Mick Ogrizek).

Here is a special bandscan of listed Sarawak outlets:

3385 1205 not heard
4835 1225 very weak
4895 1200 xed with Kurseong
5005 1130 good level
5030 1215 unheard—CNR on the channel
6050 1156 good level
6060 1133 good level
7130 1125 unheard—Taipei on the channel
7145 1122 not heard
7160 1120 not heard
7270 1115 fair level

This Bandscan was made on 7 February, in Parkholme, South Australia, by David Vitek. Thanks, David!

Kuching noted on 7270 with morning Iban svce, 0020-0030, abrupt fade-in, to good level on peaks, daytime Mode. (Bob Padula and Mick Ogrizek, Wannon River, 1/2).

Latest sked from *RTVM-Kuala Lumpur*, received with QSL:

0657-0825	English	6175 9750 15295
0830-1030	Malay	9750 15295
0900-1400	Indo	9750
1030-1230	Chinese	11885 15295
1300-1430	Thai	6100 6175
1430-1530	Burmese	6100
1530-1700	Arabic	15295
1700-1900	Malay	6175, 9750
2200-0000	Indo	6100 6175

Transmitter is 100 kW into a HR 2/2/0.38 12dB antenna. (7-Feb/Renfrew-WA/EDXP/Padula-AUS) (Voice of Islam En program from 0455-0655 on 15295 and 9570 not listed and assumed to be a separate service.—Padula).

MEXICO XERTA, 4800, may resume testing this week, says Julian Santiago on a Radio-Enlace interview Feb 13. I checked Feb 18 around 0300 and heard nothing but Guatemala, 0400 and nothing but Lesotho. He is also still calling for listener letters to R. Mil urging them to split 6010 from MW for original SW programming, including the DX show he wants to produce (Hauser-OK/WORLD OF RADIO) [I understand each QSL from their sister-station—XERTIS—contains a drop of Retsyn.—AQ]

MOLDOVA 7100 *Voice of Russia*, Grigoriopol, *0000, in Russian, powerhouse, moved from ex 7105. (8-Feb/Ludwig/DSWCI DX Win/Veldhuis-NL)

MOZAMBIQUE 3282 *Beira* has not been heard since January (Vaghjee/DSWCI DX Window/Veldhuis-NL)

9619.4 *Radio Mocambique*, Maputo (p), 0515, Badly muffled audio vocal with het from 9620 carrier. Would be fair if transmitter output was modulated properly. (27-Jan/Clark-ON)

NEPAL 6460H *Radio Nepal*, Most probably and curiously the reception was not only much better but it give me the opportunity to hear English News at 1425 while check at 2323 Nothing was heard. 5005 weak reception with heavy interference (It is only after 1500 that R. Nepal could be heard on 3230 and 5005 with fair reception) (8-Feb/Vaghjee-MAU/DSWCI DX Window/Veldhuis-NL) Checked Mahendra's Radio Nepal 2nd Harmonic of 2 x 3230 and indeed quite a readable signal on 6460.2. I suspect that the Khumaltar 100 kW is now used on 3230.1 as the signal is quite strong, and obviously the harmonic too. When the Jawahalkel transmitter is used it is usually on 3228.5 or so. Usual sked, s/on 0015 and also fades in 1200 onwards to 1715 s/off on SW. (15-Feb/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-FRG)

NEW ZEALAND A news item on *RNZI* Feb 11 said the opposition Labour party has pledged to bring RNZI back if and when they take power, and if it is in fact closed down by the current government. A call to Adrian Sainsbury confirmed this and he added that a cabinet meeting which might make the decision was scheduled for Feb 12 (Costello-NJ/WORLD OF RADIO/Hauser-OK)

NIGERIA 9570 *Radio Nigeria*, Kaduna, 0615-0627, English news with correspondent reports following by news analysis at 0621. Intervening ID at 0617: "This news comes to you from Radio Nigeria, Kaduna." Fair, then weak by tune-out, //4769.97 better. Reactivated but seemingly not on every day. 6089.84 last noted January 14; if on, now blocked by Anguilla on air again. (3-Feb/Clark-ON)

PAKISTAN now using new 15495 (x15375) during WS 1330-1530 and English nx/slow speed bulletin 1600-1630. This is Karachi APK-3 50 kW 300 degr and freq slightly variable. //9650 & 11570 (also 17720 15570 1600-1630). (9-Feb/Green-UK/WWDXC TopNews/Bueschel-FRG)

PAPUA NEW GUINEA 3245 *Radio Gulf*, Kerama, 0840-0850, Vernacular talk, jingle. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3260 *Radio Madang*, Madang, 0840-0850, Vernacular talk. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3325 *Radio North Solomons*, Kieta, Pidgin talk (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3335 *Radio East Sepik*, Wewak, 1020-1030, Pidgin talk, folkmusic. (4-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3365 *Radio Milne Bay*, Alotau, 0830-0840, Pop songs, Vernacular announcements. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3385 *Radio Eastern New Britain*, Rabaul, 0825-0835, Native music. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

3904.93 *Radio New Ireland*, Kavieng (tentative), 1155-1201, Instrumental music to M sounding very much like typical PNG announcer at 1157 past 1200. Slightly weaker than RRI Merauke-3905 which had SCI at 1159 and W with Jakarta news at 1200. Guy Atkins recently reported this as being active. Mix of the two carrier hets made determination of exact frequency difficult but this being clearly on the low side of nominal 3905 was what caught my attention. (25-Jan/Clark-ON) 0810-0835 Presume them here with island choral hymns with W announcer between music. Poor signal faded to a weak het by 0835. Rechecked freq. at 0922 and found them back with a poor-fair signal. Music program with same announcer. (8-Feb/Kohlbrener) 0825-0830, Vernacular talk, hymn. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

4890 *NBC*, Port Moresby, 0820-0830, English pop songs. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

In a letter from Harry Weatherly which accompanied my January (NASWA PNG DXpert Nick Lock provided a survey of Papua New Guinea regional stations in January's DXers Calling bulletin in response to reading some questionable reports in the DX press. Nick was in the Highlands for over 5 years with the Christian Radio Missionary Fellowship. A number of years ago he broke the news to the world about the Bougainville clandestine radio station when it first went on the air. The survey was conducted on Dec 30 and 31.

- 2410 *R. Enga* s/off 1100 or earlier; open carrier to 1210.
- 3205 *R. Sandaun* Not heard.
- 3220 *R. Morobe* s/off w/ NA at 1200; also ID'ing as R. Huon.
- 3235 *R. West New Britain* Not heard.
- 3245 *R. Gulf* s/off at 1200 w/ NA; open carrier until 1220.
- 3260 *R. Madang* s/off w/ NA at 1200; open carrier until 1215.
- 3275 *R. Southern Highlands* s/off w/ NA at 1200; oc until 1225.
- 3290 *R. Central* Not heard.
- 3305 *Radio Western* Heard past 1235.
- 3315 *R. Manus* s/off at 1200.
- 3325 *R. North Solmons* s/off at 1229.

- 3344.9 *R. Northern* tx problems; heard @ 1120; no s/off reported.
- 3365 *R. Milne Bay* s/off w/ NA at 1202.
- 3375 *R. Western Highlands* Not heard.
- 3385 *R. East New Britain* Noted at 1128 (no s/off reported).
- 3395 *R. Eastern Highlands* Heard past 1330 for New Year.
- 3905 *R. New Ireland* s/off at 1200.
- 4890 *NBC Port Morsby* s/off at 1400.

PARAGUAY 19475 (9735 x 2) *R. Nac. del Paraguay*, 1924 Play to play soccer match "Guarani" vs. ??. ad for "Mentolatum," good sig but somewhat distorted. Audio on fundamental also not so good. (15-Feb/Nigro-URU)

PERU 3234.9 *Radio Luz y Sonido*, 0213, Ending newsblock and promising more news in the morning at 1300. (28-Jan/Klemetz/DSWCI DX Window/Veldhuis-NL)

4190.46 *Radio San Juan*, a regular 1015-1025 last three days. (12-Feb/Wilkner/DSWCI DX Window/Veldhuis-NL)

4300.0 *R. Hualgayoc*, Hualgayoc, 0255-0315 mx huayno **TAMBIEN**: 13/02 2300-0000 mx huayno ID "Gracias amigos por identificarse con al emisora joven Radio Hualgayoc desde Hualgayoc..." mx Transmitiendo desde el centro minero, su emisora amiga Radio Hualgayoc." mx (9-Feb/Arrunategui-PRU/Chasqui DX)

4390v *R. Nueva Sensacion*, Chiclayo, is related to R.San Ignacio, ex-R Melodia, run by Cesar Colunche. On Dec 24, 1996, Colunche, on R. Melodia, 7040.3, says his stn has an additional office in Chiclayo, with "R Nueva Sensacion, 990, la senal de la amistad regional," located on "Panamericana Norte 361, [...] de Palma, Chiclayo, telefono 208557." I tried a call to this number, but Telefonica del Peru says number does not exist.—Meanwhile, Rafael Rodriguez says he has heard the address annct on Nueva Sensacion as mentioned here, only that the "distrito" was mentioned as "Urbanizacion Cultural Ricardo Palma." (Klemetz-COL/Dateline Bogota)

4419.8 *R. Bambamarca*, Bambamarca, 0318-0350 program Estrella de la cumbia musical ID "Nuevamente desde los estudios de su Radio Bambamarca" mx chicha ID "Por Radio Bambamarca, la frecuencia lider..." mx ID "Por Radio Bambamarca..." (9-Feb/Arrunategui-PRU/Chasqui DX)

4534.1 UNID, 27/01 0150-0215 22222 mx huaynos program Dios es Amor por el misionero David Miranda...no pude escuchar mas por que se presento una fuerte lluvia que fue necesario el apagar el RX por seguridad. (27-Jan/Arrunategui-PRU/Chasqui DX) 4534 *R. Horizonte* poor-to-fair morning and night, with new transmitter set up by Enrique

Becerra Rojas, who is also the M behind the new R. La Inmaculada transmitter on 5305. (Klemetz-COL/Dateline Bogota)

4551.0 **R. Soledad**, Parcoy, Pataz, La Libertad, 2217-2315 mx chicha program Festival Tropical mx chicha la senal por momentos baja a 1111 su ID no puedo entender bien, hablan demasiado rapido y no les puedo entender. TAMBIEN: 6/02 1139-1215 y 2230-2306 mxf huayno program Amanecer campesino advs Importaciones Rubio, lo mejor en artefacto aqui en Retama distrito de Parcoy. TAMBIEN: 7/02 1000-1200 recien su s/on es a las 1025 inician con mx huayno, tampoco da su ID, pero si hablan sobre Parcoy y Retama, recien a las 1200 dan su ID "Radio Soledad trasmite desde Parcoy, Pataz, La libertad" mx ID "Radio Soledad presenta" (5-Feb/Arrunategui-PRU/Chasqui DX)

4571.3 **Radio Uno** 1045-1105 Huaynos, IDs as "Somos Radio Uno, Commercial Internacional." Greetings to listeners in nearby Feranafe. Fair. (29-Jan/Moore-IA) 4574.38 **Radio Uno**, 1025, Peruvian music. Drifting in frequency (4-Feb/Wilkner/DSWCI DX Window/Veldhuis-NL)

4746.8 **R. Huanta 2000**, Ayacucho, 1050-1110 advs Cerveza Cristal program Centro naturista ID "Transmite Radio Huanta 2000" advs del Consejo Municipal de la provincia de Huanta mx huayno. (5-Feb/Arrunategui-PRU/Chasqui DX)

4855.5 **R. La Hora**, Cusco, 2300-2330 nx program La Hora deportiva, advs Cerveza Cusquena, la mejor del pais ID "Por Radio la Hora" (20-Feb/Arrunategui-PRU/Chasqui DX)

4914.4 **R. Cora**, Lima, 1112-1135 advs transporte Ormeno ID "Radio Cora del Peru..." program Radio Periodico el Mundo. (5-Feb/Arrunategui-PRU/Chasqui DX)

4955.0 **R. Cultural Amauta**, Ayacucho, 2340-0006 program en quechua y espanol ID "Te acompaña tu mejor amiga, con la mejor musica, noticias y consejos, Radio Cultural Amauta" (20-Feb/Arrunategui-PRU/Chasqui DX)

4971.0 **R. Imagen**, 1135-1205 program El diario de Imagen advs Industrias Universal de Tarapoto, le pone al dia su cocina ID "Por Radio Imagen..." (29-Jan/Arrunategui-PRU/Chasqui DX)

4991.0 **R. Ancash**, 1130-1150 program El Noticiero Ancash nx ID "Saludamos a nuestros amigos que se unen a nuestra senal de Radio Ancash" nx ID "Comuniquese con Radio Ancash..." (11-Feb/Arrunategui-PRU/Chasqui DX)

5015.0 **Radio Juliaca**, 0040, Newsreel. Strong signal; unheard for quite some time. Frequency might be .5 or so up; was using an receiver without decimal readout at the time. (5-Feb/Klemetz/DSWCI DX Window/Veldhuis-NL)

5025.0 **Radio Quillabamba**, 1014-1020, Spanish, musical program, time checks and ID "son cinco

con quince minutos de la manana en su sintonia Radio Quillabamba." (15-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

5046.3 **R. Integracion**, Abancay, 1110-1135 mx huayno program en quechua y espanol ID "Por Radio Integracion..." (13-Feb/Arrunategui-PRU/Chasqui DX)

5305.0 **R. La Inmaculada** [cf. R. Horizonte 4534] has now left the testing stage, daily prgr preview presented Jan 31 0030. News block *Potencia Uno*, at 0200, is half-an-hour ahead of that of competitor R. Satelite, 6725.5, called *Radar noticioso*. (Klemetz-COL/Dateline Bogota)

5305.0 **Radio Santa Cruz**, Santa Cruz, 2340-2359, Andean music, many advertisements in Santa Cruz ("Restaurante...carretera Santa Cruz-Ciclayo..." "Parroquia de Santa Cruz" mentioned often) and avisos, ID as "Amigos uditores, Radio Santa Cruz...general de la estacion...a ustedes un feliz ano nuevo 1998..." As usual in Cajamarca the station's names are quite fickle! Pleasant signal and RTTY QRM at 2359; back again around 0120 but weaker. (31-Jan/Bruni/DSWCI DX Window/Veldhuis-NL)

5413.8 **R. Laser**, 2330-0010 ID "Por Radio Laser..." mx mejicana, rancheras program Mexico y su musica ID "Para que tu, que estas en sintonia de Radio Laser..." advs Botica la Inmaculada. ID "Por Radio laser..." (29-Jan/Arrunategui-PRU/Chasqui DX)

5414.0 **Radio Lajas**, ex-5498, 0100, poor-to-fair. Said there was a local fiesta in San Jose de Lajas Feb 9-10. Frequency might be slightly lower; was using an receiver without decimal readout. (5-Feb/Klemetz/DSWCI DX Window/Veldhuis-NL)

5470.78 **Radio San Nicolas**, Rodriguez de Mendoza, poor at 1140-1153, rustic OA folklore and ID as "R. San Nicolas, La Voz del Oriente Peruano, para todo el pais." (24-Jan/TIN-JPN/Relampago DX)

5522.23 **Radio Sudamerica**, Cutervo, fair at 1201-1213, instrumental mx pgm. At 1208, ID with TC as "Son las 7 y 7 minutos en Radio Sudamerica 1060, la radio del ano." (24-Jan/TIN-JPN/Relampago DX)

5560.6 **R. El Sol**, 0000-0036 mx moderna ID "Ya son las 7 y 10 de la noche en su radio El Sol..." mx moderna y tropical ID "Hacemos un llamado a nuestro locutor Lucho Ramirez para que se comuniquen con las oficinas de Radio El Sol..." mx chicha. (30-Jan/Arrunategui-PRU/Chasqui DX)

5637.3 **R. Peru**, San Ignacio, Cajamarca, 2350-0015 ID "Ya son las 6 y 59 de en su Radio Peru, desde la provincia de San Ignacio, departamento de Cajamarca..." mx tropical ID "Radio Peru, barriendo en sintonia" program Ritmo Tropical ID "Radio Peru, presencia internacional" mx y advs (4-Feb/Arrunategui-PRU/Chasqui DX) 1054-1104 Huaynos, IDs as both FM 97 and Radio Peru at 1102. "Buenos Dias, Peru" announcements. Fair (29-Jan/Moore-IA)

5677.1 **R. Frecuencia San Ignacio**, Cajamarca, 0020-0045 mx tropical andina ID "En los estudios de Radio Frecuencia San Ignacio...un abrazo desde los 5700..." mx ID "Amigos de Radio Frecuencia San Ignacio, esten atentos a estos mensajes..." (4-Feb/Arrunategui-PRU/Chasqui DX)

5969.6 **R. El Sol**, Lima, 2148-2220 mx ID "El Sol, en amplitud modulada" mx ID "El Sol onda media y en onda corta, calidad para todo el Peru..." (11-Feb/Arrunategui-PRU/Chasqui DX)

5995.15 **Radio Melodia**, 0725-0753 Lively Latin music, frequent *Melodia* ID's over music. M announcer. Fair (8-Feb/Kohlbrenner)

6173.9 **R. Tawantisuyo**, Cusco, 1210-1302 program saludos y mensajes en quechua y espanol ID "Por Radio Tawantisuyo a nivel regional, nacional, internacional y en 91.3 FM..." (21-Feb/Arrunategui-PRU/Chasqui DX)

6188.0 **Radio Oriente**, 1004-1020, Talk by a M and W between lively OA vocals and ID's. Fair signal but some splatter hurt reception. (6-Feb/D'Angelo)

6240.29 **Radio Mi Frontera**, San Ignacio, Cajamarca, 0205, suspected the one with nonstop tropical music, only audible on south mini-beverage—but persistent electro-static only audible there as well. (14-Feb/Novello-NC)

6261.0 **R. JVL**, 0017 with Peruvian and Colombian cumbias, slogan "en los 62-60." (24-Jan/Klemetz-COL/Dateline Bogota)

6405.5 **R. Huarmaca**, ex-5384.8, 0010, vy poor reception due to heavy RTTY QRM in the vicinity. (31-Jan/Klemetz-COL/Dateline Bogota)

6420.29 **R. Mi Frontera**, San Ignacio, Cajamarca, 0205, suspected the one with nonstop tropical mx, only audible on south mini-beverage—but persistent electro-static only audible there as well. (13-Feb/Novello-NC)

6479.86 **Radio Altura**, Huarmaca, 1133-1150 fade-out, weak signal, first reception for me here in Tokyo. Program is entitled *Buenos Dias Hermano Campesino*, with OA folklore. At 1136, ID as "6 y 40 minutos en sus estudios de R. Altura, la emisora original..." (25-Jan/TIN-JPN/Relampago DX)

6535.8 **R. Difusora Huancabamba**, 0000-0030 mx chicha ID "Por Radio Difusora Huancabamba, la linda musica..." mx ID "Son las 7 y 19 de la noche en Radio Difusora Huancabamba..." mx (11-Feb/Arrunategui-PRU/Chasqui DX)

6674.51 **Ondas del Rio Maranon**, Aramango, La Libertad, presumed at 1158. Nice signal with up tempo instrumental mx, but plug pulled in mid-song at 1203. (12-Feb/Novello-NC)

6535.79 **R. Huancabamba**, Huancabamba, Piura, 1210. Bouncy accordion-led mx with W vocals, multiple DJ IDs as "Huancabamba Radio." Weak but clear; nice to hear the Andean stations hanging on longer in the mornings again. (12-Feb/Novello-NC)

6675.53 **Ondas del Rio Maranon**, Aramango, La Libertad, 0025 with plenty of IDs, pop-Andean mx, comunicados, and a very strong signal tonight. (13-Feb/Novello-NC)

6725.3 **Radio Satellite**, Santa Cruz, Nueva Cajamarca, 0325-0330*, Spanish, M announcer, musical program, ID, S/off, National Anthem (instrumental)...audiencia de Radio Satellite, hemos llegado a la parte final de nuestra programacion de la noche...Empresa Individual de Responsabilidad Limitada de Comunicaciones, Radio Satellite, Director Gerente...gracias por la atencion prestada el dia de hoy, estaremos nuevamente con Uds. el dia de manana a partir de las seis de la tarde en el mismo punto del dial...el Himno Nacional de la Republica del Peru." (5-Feb/Eramo/DSWCI DX Window/Veldhuis-NL)

6811.53 **Radio Ondas del Rio Mayo**, Nueva Cajamarca, 1102-1125 poor signal, morning music show "El Madrugador" (1-Feb/TIN-JPN/Relampago DX)

7746.0 "Everyone knows where **R. Cristal** is located" DJ said 2130, "Jiron Ucayali sin numero, a un costado de la Carretera Marginal de la Selva." (28-Jan/Klemetz-COL/Dateline Bogota)

H11354.0 **R. Frecuencia San Ignacio**, 2nd harmonic, 0155, poor, slogan "los 5-700." (19-Jan/Klemetz-COL/Dateline Bogota)

ROMANIA Keeping the "Why don't they turn that awful noise off" award in the neighborhood following Grigoriopol's buzz on 7125, is the home service on 17850, as IDed by Kai Ludwig. I have been hearing a continuous roar with traces of audio, such as Feb 17 at 1329, and still there after 1400 when it interferes badly with France (Hauser-OK/WORLD OF RADIO)

RUSSIA Radio of the Adygey Republic, Maykop, broadcasts in the Bzadog (or Bzadugh) dialect of Adygey, one of the Circassian languages.

1800-1900 Adygey/AA/TK 6005 Mo/Fr (BCBM)

Kabardino-Balkar Radio, Nalchik
1830-1900 Kabardin 6005 Su/We (BCBM)

Radio Rossii has reduced its airtime from 22 to 20 hours a day. "European version" of this major Russian state radionetwork is on the air between 0200 and 2200 (except 2200-0000) at present. But I noted one more change on Jan 29 when I checked a Magadan signal on 5940 between 1210 and till closedown at 1400: all this period the transmitter relayed an "European version" program as all other ones from St. Petersburg to Magadan on the following frequencies: 4485 4820 4860 4895 5290(from 1300) 5930 6060 6125(from 1300) 6160 7140 7210 7220 7250 7345 7440 9720 12045 and 15455.

Yakutsk on 7140 and 7345 was heard till 1600 // 4860 5290 6060 7210 7220 and 7440 with "non-european version." But from 1600 all transmitters were noted with a "European version" only on 4485 4820 4895 5290 6125 7170 (from 1730) and 7340... I suppose that Radio Rossii uses only three time shifted versions except of five ones as before—or it was some temporary problems with satellite links? (Timofeyev-RUS/DSWCI DX Window/Veldhuis-NL) [Now I'm thoroughly confused.-AQ]

New station—**Radio Ritm**, Yakutsk. Monitoring: 7200 Khz, 0200-0300 UTC. January 1998. (Sibirskiy DX Bulletin/RUS-DX/DSWCI DX Window/Veldhuis-NL)

Radio Bashkortostan, Ufa. Local programs in Bashkirian and Russian (Mon-Fri 0200-0300, 0700-0900, 1300-1500; Sat 0200-0300, 0400-0900; Sun 0300-0400, 0410-0900 irregular), in Tatar (Thu 1420-1440) on 4485 Khz. (Zhukov-RUS/RUS-DX/DSWCI DX Window/Veldhuis-NL)

2970H **Radio Tsentr** (Moscow), 1456-2059*, Russian, mostly religious programs, many ID's and phone number announced—harmonic 1485x2: strong here at St.Petersburg. Also weak on 4455 and very weak on 5940. Daily schedule on 1485: 1100-2100 (5-Feb/Timofeyev-RUS/DSWCI DX Window/Veldhuis-NL)

2970H **Radio Sadko** (Moscow), *0700-0720, Russian, phone number announced (222-07-17), mostly classical/folk music format -harmonic 1485x2. Also very weak on 4455 and 5940. Daily schedule on 1485: 0700-1000 Mo-Fr (6-Feb/Timofeyev-RUS/DSWCI DX Window/Veldhuis-NL)

Tatarskoe Radio via Samara Radio Broadcasting Centre (Samara) in Tatar language:

0500-0600 12015 East (Studio Irkutsk)
0700-0800 6130 Nort-East (Studio Tumenskaya obl.)
0900-2000 9690 Nort-West (Studio S.Peterburg)

(25-Jan/VOR "Club DX"/Russian DX League/Bueschel-FRG/WWDXC/Kubiak-FRG)

Monitoring **Radio Region-Tumen** on 4820 and 4895 kHz: 1300-1310, 1500-1510, 1700-1710—News bulletin. (28-Jan/Rutkovskiy/Russian DX League/Bueschel-FRG/WWDXC/Kubiak-FRG)

SAUDI ARABIA BSKSA Riyadh 2nd progr in Ar 1700-2100 on new 6019.2. (noted also on harmonic 12038.4). (16-Feb/PANVIEW-BUL/WWDXC TopNews/Bueschel-FRG)

SENEGAL Heard **RTS** playing usual WeAF music and short talks on 11800.00 today (January 25) after 1900 UTC, peak at 1920 and fade-out from 1934 onwards. (Buschel-FRG/DSWCI DX Window/Veldhuis-NL) [Figures someone would hear this after my comment last month!-AQ]

SEYCHELLES FEBA Radio in Seychelles has moved their Tibetan program from 15445 to 15480 at 1200-1230 in order to avoid jamming by CHN with their EE programming. Also Tamil is now 7365 kHz (x7350 to avoid DW on 7355) in Tamil at 0130-0200 hrs. (19-Feb/Dasgupta-IND/WWDXC TopNews/Bueschel-FRG)

SIERRA LEONE In less than a week after ECOMOG forces bombed the **Sierra Leone Broadcasting Service** transmitter site, leaving it in flames (9-Feb), that same peacekeeping force took control of the country and brought the facility back on line.

On 14-February, ECOMOG (Economic Community of West African States), a peacekeeping consortium of West African states, sent the illegal junta which last May had overthrown the elected government fleeing to Liberia. The final, two-week military offensive culminated nearly a year of battles, economic sanctions, and popular opposition, and has promised to return Ahmed Tejan Kabbah to his elected position at Sierra Leone's president. According to the Washington Post of 14-Feb, the ECOMOG Commander in Sierra Leone "spoke on the restored state radio station, calling for an end to attacks and looting."

President-in-hiding Kabbah managed to maintain his public voice throughout the crisis via a clandestine FM station which covered Freetown, the nation's capital.

It is not known if the shortwave transmitter (3316 kHz, last logged 6-Feb by D'Angelo-PA) has yet been restored.

SURINAM 4990.94 **Radio Apintie**, Paramaribo, *0729:30-0750, strong open carrier noted ahead of opening IS of Apintie drums, anthem by brass band at 0730:30, M announcer hard to make out at 0732 and into program of old spiritual ballads. Fair initially but quite weak by tune-out, although still 2 hours ahead of transmitter sunrise. (1-Feb/Clark-ON)

SYRIA Have SW transmissions ceased? 13610 & 12085 unheard for some time and now 9950 has stopped carrying dom Ar sees in 'daytime' too. A check around 2000 revealed only AIR on 9950 and no Syrian overseas progrs. Mikhail Timofeyev reported these on 9950 some weeks ago. (9-Feb/Green-UK/WWDXC TopNews/Bueschel-FRG)

TANZANIA 11734 **Radio Tanzania, Zanzibar**, 1942-2008, With local music program; ID by M at 1959 followed by 5+1 time pips, a W with news and return to music at 2006. Fair signal with mushy audio. (7-Feb/D'Angelo)

TURKEY Voice of Turkey's English service changes from Feb 7: 1930 Eu 9540 ex-6175; 2300 NAM 7300

ex-9655 (Tidy-UK/WORLD OF RADIO/Hauser-OK) Turkish 15415 at 1000-1300 replaced by new 15110, to escape VoA 15425 and 15410. (Tyson/EDXP/Bueschel-FRG/WWDXC/Kubiak-FRG) VoT 1200-1255 Chinese new 13685 (x11760). 0500-0800 in Turkish on new 7335. (16-Feb/PANVIEW-BUL/WWDXC TopNews/Bueschel-FRG)

UNITED KINGDOM BBCWS has introduced new lunch-time transmissions in Hindi and Urdu, displacing English service 17790 via Oman 0800-0830: 0800-0810 Bengali 11685 15405 17655 17790 0810-0820 Hindi 15405 17660 17790 0820-0830 Urdu 15405 17660 17790

(11-Feb/Davies-SNG and INS/WWDXC TopNews/Bueschel-FRG)

Several weeks ago, BBCM issued a **WYFR** schedule which mentioned Taiwan relays but not UK, as had been the case for a single hour in Arabic at 1800, originally an exchange for BBC via WYFR which still exists at 1300-1600 on 9590. I suspected the listed Arabic at 1800 on 9580 was really via UK, so asked Dave Kenny to confirm. He checked with Merlin, and they say they are still relaying WYFR but the frequency has changed to 11665 (Hauser/WORLD OF RADIO)

URUGUAY 4639.7 Radio Agraria del Uruguay, Cerro Chato 0022-0030 SS, M ann, adverts, ID " *Tercer festival de Salto de Agua...en la radio de la region...Agraria del Uruguay*" (fourth harmonic of MW 1160 kHz). (13-Feb/Eramo-ARG/WWDXC TopNews/Bueschel-FRG)

6035 CXA30 **Radio Nacional** is currently inactive, but when I visited the station studios today to participate in a weekly program devoted to historical aspects of Radio conducted by Antonio Tormo, CX8CC, I received info from programming staff confirming the resumption of shortwave broadcasts from them in March 1998. They will use their current MW transmitter (of Czech origin) and will be transformed to shortwave operation. They have bought 2 new MW transmitters to replace the current which is going to be converted to SW. Listed MW power is 20 Kw. From what he said to me, I presume that it will be kept for SW. Also a WWW site will be inaugurated with streaming audio. No more precise info available since source (Mr. Efrain Chury Iribarne, journalist) was not of technical origin. (2-Feb/Nigro-URU/DSWCI DX Window/Veldhuis-NL) Further investigation reveals that this can be catalogued as excessively optimistic. One of the new MW transmitters was damaged at the site, says Luis Ignacio Moreira, studio technician, who works at CX30 and is also member of the "Radioactividades" crew at SODRE. This is at least enough reason to delay converting the current MW sender to SW. I better should be awaiting for real facts rather than propagating unconfirmed versions on this subject. (15-Feb/Nigro-URU) [But Horacio, we Americans LOVE unconfirmed rumors!-AQ]

USA KVOH Voice of Hope

0000-0600	English/Spanish	9975
1300-1600	Spanish	9975
1600-0000	Spanish	17775

(BBCM)

KWHR, Hawaii, through 6 April:

0500-1800	English	9930
0700-1300	English	11565
1300-1900	English	7560
1800-2200	English	13625
1900-0000	English	17555
2200-0000	English	17510

WHRA, Greenbush, ME, through 6 April:

0300-0500	English	7465
0500-0800	English	9400
1800-2000	English	17655
2000-2200	English	15460
2200-2400	English	13760

(BBCM)

WWBS, 11910, Macon GA, did not meet its target of testing from Feb 6. Here's why: although the transmitter is ready, and the FCC has authorized it, the station is waiting on an electrical inspector to get out of the hospital and approve a transformer. WWBS is actually on the outskirts of downtown Macon, and does not expect there to be an RF interference problem; denies knowing Brother Stair; and expects initial programming to be only about two hours at 0000 UT, perhaps starting in a few weeks (10-Feb/Thurman-TX/RIB and WORLD OF RADIO/Hauser-OK)

UZBEKISTAN R. Tashkent: 7205 replacing 7285 from 1520-1930. 1520 Dari, 1550 Uzbek, 1630 Persian, 1700 Arabic, 1730 Uzbek, 1830 Persian, 1900 Arabic. // 5975 1520-1930. (30-Jan/PANVIEW-BUL/WWDXC TopNews/Bueschel-FRG)

VANUATU 4960.0 Radio Vanuatu, Emten Lagoon, 0740-0750, Bislama talk. 55454. No longer 24 hours service as the Cyclone is away. (3-Feb/Petersen/DSWCI DX Window/Veldhuis-NL)

VIETNAM v4740 R. Son La, Feb 3, 1154 s-on, 1158 IS, 1200 TA, hill tribe mx, Vn, ID by W, 1202 Hmong talks, ann modulation very low, regular active!

v4959.6 **VoVTN Hanoi** 0945 fade in, not // v5924.5, both regular active!

v5034.5 **Dia Tieng Noi Hanoi**, Hmong see, 1200-, Feb 2, instrumental mx, //v6165.4 weak, talks with mx bridges, not every day active, but most of the time.

v6553.9 **Cao Bang**, transmitter sign on, turn in again 1240-1300, Jan 31, dialects, W talks, hill tribe mx, destroyed modulation and transmitter functioning problems, some break downs, again at 1355 on Feb 3, s/off 1400.

v6698.1 **Lao Cai**, turn in 1153-1201, Jan 31, Vn, IS gongs, talks, s-off time was 1230*, low modulation.

v7154.9 **RTV Bac Thai**, Feb 1, 1200- relay Hanoi program, //5924.5 & 10059.81 in Vn.

4680.0 UNID [WRTH listed Lam Dong 4675 and Lao Cai 4677]

Inactive v4214 Lai Chau and v5597 Lao Cai. (3-Feb/Schulze-PHL/WWDXC TopNews/Bueschel-FRG)

Some regional stations were noted here at St. Petersburg: 4741v 1232-1359*, 6387v 1225-1227*, 6556v 1221-1400*—last Cao Bang (6-Feb/Timofeyev-RUS/DSWCI DX Window/Veldhuis-NL)

4959.7 **Voice of Vietnam** (Nat'l Net 2), Hanoi, 2237-2245, Lengthy talk by W in Vietnamese with numerous mentions of Vietnam, music bridge & further talk at 2245. Unusually good signal. Listed 2200-1600 but off-air at 2305 recheck so apparently closed at 2300. (31-Jan/Clark/DSWCI DX Window/Veldhuis-NL)

YUGOSLAVIA Radio Yugoslavia has signed an agreement with China Radio International for relays of its broadcasts to the Far East, Australia and the Pacific coast of North America, according to reports from Tanjung news agency, cited by Kim Elliot on VOA's *Communications World* on 7/2. Also in the works—relays of Radio Yugoslavia via a 'private shortwave station' in the US. (8-Feb/Francis/EDXP/Padula-AUS)

ZAMBIA Christian Voice

0400-1600 English 6065
1600-2200 English 3330
(BBCM)

Zambia National Broadcasting Corporation (ZNBC)

0245-0530 Multi*/Radio 1 4910 (6265 alt)
0245-2205 English/Radio 2 6165
0500-1430 Multi*/Radio 1 7220 (6265 alt)
1430-2205 Multi*/Radio 1 4910 (6265 alt)

* News in English 0500, 0600, 1115 and 1800. (BBCM)

6265 **ZNBC**, Lusaka 0253-0257, Vernacular M announcer, music, comments and ID: "...Zambia National Broadcasting Corporation...shortwave..." (6-Feb/Eramo-ARG/DSWCI DX Window/Veldhuis-NL) 0435-0445, Lengthy talk by M in local language, then different M announcer with wake-up chatter and Afro vocals. Good with moderate UTE QRM at times; not as strong as normally heard on alternate 4910 which was silent. (27-Jan/Clark/DSWCI DX Window/Veldhuis-NL)

UNIDENTIFIED 3960 UnID 0758 Some kind of music at tune-in; "Transmite..." at 0759 and into An-

dean vocal; segued to guitar solo number, then romantic ballad and another Andean selection. Followed past 0815; weak and battered by fierce QRM. This one didn't sound anything at all like the unID station I was hearing about six weeks ago on this freq around this time period—but, in the immortal words of Fats Waller, "One never knows, do one?" (11-Feb/Hill-MA)

4793.2v UnID 2057 Daily since Feb. 10, seemingly an African station drifting between 4793.2 and 4793.5 with what sounds like vernacular talk; African-style drums just before the hour at 2059 and 2159 followed by time pips and possibly news in English. Audible as late as 2338 on Feb. 13, but very weak before local sunset, then getting stronger but almost impossible to read through increasing noise and ute QRM. (Hill)

Does anyone know what this is? I'm hearing a strange time station (?) on 5990 kHz that airs a 'pip' every two seconds. First noted 1700 on Feb. 10 when I tuned in to VOA's Talk to America on this frequency. I listen to VOA here very often, but never heard anything like this before. Now it's 1812 and it's still on. Just pips, no announcement. Fair, stable signal here in western Japan. Enlightenment, anyone? (Ashimori/DSWCI DX Window/Veldhuis-NL)

6012.7 UnID 2143 Daily since Feb. 18, station playing '70s pops (Elton John, Barbra Streisand, Bee Gees), mostly segued but with occasional brief announcements by W; language sounds Italian but could be Spanish. Speech audio is ample but muffled. Signal gets badly squeezed after 2230 or so. Sounds a lot like Tele R. Stereo, which has been off SW for some time, but Giovanni Serra says he hears nothing there. As far as he knows, Tele R. Stereo operates only on FM now. (Hill-MA)

6387.31, 1216 Repetitive accapella solo M singing, talk by W, back into singing. Distorted audio made identification of the language difficult, but sounded like an Asian language. Off 1227, which makes me suspect Lao Cai on the move. Nothing reported lately in the vicinity. (12-Feb/Novello-NC)

15460.00, UNID, 0355-0410, In Vietnamese. A Women in lengthy talk, fading badly. Announcer voice sounds very similar to what I can hear regularly on Voice of Vietnam. No // frequency found. Frequency high for a domestic broadcast. (5-Feb/Keckes/DSWCI DX Window/Veldhuis-NL)

15535.6 UnID 1217 Daily since Feb. 14, Arab-speaker daily with typical mix of talk, Middle Eastern music, and Qur'an; even had what sounded like sporting event on Feb. 22, then cut off at 1502. Low audio and echoey signal make readability difficult. Odd freq and s/off time suggest Saudi Arabia's Main Arabic Program, but I haven't been able to find any //s yet. (Hill) I haven't been able to find any //s yet. (Hill)

Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: clobdell@mediasone.net

Hello and welcome to the March edition of the **PIRATE RADIO REPORT**. I hope many of you have already made your plans to attend the 11TH ANNUAL SWL FEST in KULPSVILLE, PA this March 12th through 14th. I'm planning to be there.

This month I'm going to explain some rules as regards to reporting to pirate stations. I know many of our members are relatively new to the hobby, so I hope that the following information is of use, especially to them.

QSLing The Radio Pirate

OK, so you've heard your first pirate and want to send them a reception report in hopes of obtaining a QSL. What do you do?

The first thing is to make sure you have an address to write to. Most stations use maildrops, so pay attention to the program so that you can catch their address. Once you've got that, then you can start the report. Just like reporting to any legitimate SWBC station, you'll want to note the time, date and frequency that you heard the pirate. Also, be sure to tell the station how reception conditions were.

Stations need to know if there was anything wrong with the audio. Tell them if there was a problem with the modulation, if the signal was distorted. Was the frequency drifting? Station ops are always very interested in the quality of their signal. Sending a cassette tape of an off air recording is good, but be sure to include program details too, just in case the tape gets lost or damaged.

Before finishing that report, don't forget to comment on the program content. Be honest, if you thought the programming needed improvement, don't hesitate to tell the station.

Finally, a little info about yourself, your hobbies and the area of the country you live in makes for an interesting report. Enclo-

tures, such as a postcard or photo of the old radio shack are great too.

Including enough return postage is very important. Because most pirates use maildrops, postage is required to send the report from the drop to the operator, from the operator back to the drop and then back to the listener. This is why stations request three 32 cent stamps or US \$1.00. If you're sending a cassette tape, it's best to double these amounts. For stations whose maildrops are in Canada or Europe, it's best to send either IRCs or two US dollars.

Most pirate stations that request reports are good QSLers. QSLs range from the very plain to the elaborate. Some stations will even send studio copies of their programs, pirate patches and even a pirate flag!

After you get that QSL, don't forget to report it to Sam Barto's QSL column.

Loggings

All on 6955 kHz unless otherwise noted.

Joe Momma's **RADIO NONSENSE** was heard on 6th February at 2327 UTC with a program about "space" and the MIR space station. [R. D'Angelo-PA]

TRANSATLANTIC RADIO, a Dutch pirate was heard via North American relay of Feb. 7th at 1750 UTC. Programming consisted of techno-rap music and letters read from a broadcast last August. [R. D'Angelo-PA]

The **VOICE OF ANARCHY**, was noted at 0010 UTC on February 15th with a show featuring Polka music. They claimed to be located near Chicago. Their maildrop is Box 109, Blue Ridge Summit, PA 17214 [D. Krause-OH]

Until next month, when we hope to finally tell you that the *MV Electra* has finally left port, Happy Pirate DX!



QSL Report

Sam Barto
47 Prospect Place
Bristol, CT 06010

ANGOLA: Emissora Provincial de Benquela 5040

* p/d "Map/Antenna" cd. w/ a friendly
2 page ltr. in EG in 99 ds.
after a f/up rpt. and
\$1.00. v/s Carlos A.A.
Gregorio, Station Direc-
tor. (Stephens-AL).

ANGUILLA: Caribbean Beacon

6090 f/d cd. in 3 wks.
for ms. (Hosmer-MI).

ASCENSION ISLAND: VOA 15225

f/d "Hawaii" cd. w/ site
in 3 wks. (White).

AUSTRALIA: Radio Australia 9410 f/d "Studio/Bldg."
cd. in 46 ds. (Washburn-ME).

AUSTRIA: Radio Austria International 9655 f/d ltr. in
18 ds. (Washburn). 9870 f/d "Franz Schubert" cd. in
50 ds. (Humenyk-ONT).

BELGIUM: Radio Vlaanderen International 13785 and 13795
f/d "Painting by Albert Servaes" cd. w/ rpt. forms in
50 ds. (Humenyk). 13680 and 9925 f/d "Waterloo" cd. in 1
mo. w/ schedule and stickers. (Barto). 13745 and 9925 same
cd. in 5 wks. w/ schedule. (Barto-CT). 9590 and 5910 f/d cd.
w/ transmitter site and stickers in 7 wks. (Barto).

BONAIRE: Radio Vlaanderen International 9555 f/d "Water Painting"
* cd. in 84 ds. (Humenyk). Radio Nederlands 6165 f/d "50th Anni-
versary" cd. in 69 ds. (Washburn). 5965 f/d cd. in 3 wks. (Hos-
mer).

BOTSWANA: Voice of America 12080 f/d "Greenville" cd. in
24 ds. (White).

BRASIL: Radio Guaiba 6000 p/d "Multilingual Logo" cd. in 42 ds. for a
PT rpt. and \$1.00. (Stephens). Radio Aparecida 9630 and 6135 f/d



中国国际广播电台



CHINA RADIO
INTERNATIONAL



SPECIAL OFFER: The response to this offer has been great - your comments are very much appreciated. We are now offering for 1998 the following: 1300 foreign stamps for \$10.00 plus we will throw in an additional 600 US stamps; for \$15.00 will get you 2300 foreign stamps plus an additional 600 US stamps. They make for great enclosures or gifts with your reception reports. Send your orders to your QSL Editor.

large "Building Photo" cd. in 27 ds. for a taped rpt. and \$1.00. (Stephens). Radio Cultura 9615.1 and 17814.9 f/d ltr. in 2 mo. for a PT rpt. v/s Valvenio Martins, Coordenador de Producao. (Barto).

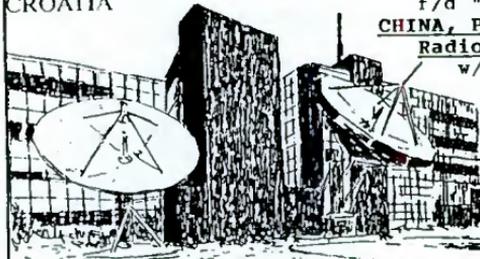
BULGARIA: Radio Bulgaria 7375 f/d "Preobrazhenski Monastery" cd. in 51 ds. (Washburn). 9435 f/d cd. in 2 mo. w/ schedule. (Barto-CT).

CANADA: Radio Canada International 9755 f/d cd. w/ schedule, sticker & pin in 20 ds. (Washburn). Radio Korea International 11715

f/d "Mortar and Pestle" cd. in 76 ds.
CHINA, PEOPLES REP. OF: China Radio International 7360 and 6933 f/d cd.
w/ sticker in 2 mo. (Barto). 7110 and

7800 f/d "Huangsham Mountain" cd.
w/ bookmark in 5 wks. (Barto-CT)
11765 and 9560 f/d "Dragon King"
cd. in 7 wks. v/s Ying Li. (Bar-
to). 11600 and 11840 f/d "Glazed
Tile Pagoda" cd. w/ schedule in
2 mo. (Barto). 6933 and 9365 f/d
"Incense Burner" cd. in 2 mo.
v/s Lu Ming, English Service.
(Barto-CT)...more to follow.....

CROATIA



HRVATSKA RADIOTELEVIZIJA, 10000 ZAGREB, Prislavlje 3

7190 and 9855 f/d "Paper Cut" cd. w/ sticker, pennant and 2 postcards.(Barto). 9870, 9440 and 8260 f/d "Jokhang Monastery" cd. w/ sticker and pennant in 3 mo. (Barto). 11980, 7820, 7110 and 5145 f/d "Bronze Ox" cd. in 3 mo. w/ sked. and sticker.(Barto). CPBS 7770, 7504, 7935 and 9062 f/d cd. in 5 wks.(Barto). 7504, 7935, 9290, 9800, 11800 and 11825 f/d "Ruins of Yanmingyuan" cd. in 5 wks.(Barto-CT). 5320, 5880, 6125, 6750 and 6840 f/d cd. in 6 wks.(Barto). Jiangxi PBS 5020 via Nanchang f/d cd. in 6 wks.(Barto). Guangxi PBS 4915 via Nanning f/d cd. in 5 wks.(Barto). China National Radio - Network 4 15670, 11375 and 10260 f/d "Bronze Ox" cd. in 3 mo.(Barto). CNR - Network 6 9170 and 6790 f/d "CPBS" cd. w/ paper cuts in 3 mo. (Barto). Sichuan PBS 7225 f/d cd. in 6 wks. (Barto). CPBS 9080, 6890, 6840, 6750 and 5320 f/d cds in 2 mo.(Barto-CT).

CLANDESTINE: Voice of the Tigray Revolution 5500 f/d 2 page ltr. in 66 ds. w/ postcard. v/s Fre

NOTES: John Scirulletta said his early Christmas gift of a QSL from AIR Sikkim was greatly appreciated. That gave him 4 new countries QSLed in 1997 - the most since 1984 when he QSLed 4 also. George Maroti hopes everyone had a great holiday season and an even better 1998 for QSLs...So do I, George. Allan Lou-dell in Bear, DE (love that name!) says the same as George with seasons greetings. Glad you liked the little gift Allan and thank you for the ms...much appreciated...Sam.

Tesfamichael, Director Vort. (Humenyk-ONT).

COLOMBIA: Radio Nacional de Colombia 4955 and 9655 2 f/d cds. w/ sticker and RNC station button in 48 ds. after 6 f/up rpts. This was hand delivered by a DXer direct to the station. v/s Athala Morris, Directora.(Stephens-AL). Super Radio Boqota 6065 f/d ltr. w/ sticker in 43 ds. for a SP rpt. and \$1.00. v/s Fernando Pavacameló, Gerente. (Stephens). CARACOL Boqota 5075 p/d "Logo/Globe" cd. w/ 3 stickers and a large glossy brochure listing all CARACOL stations in 31 ds. after 4 f/up rpts.(Stephens-AL). COLMUNDO Boqota 6065 p/d 2 page ltr. w/ several stickers and brochure in 21 ds. for a SP rpt. and 1 IRC. v/s Jorge Eliecer Hernandez, Gerente Nacional de Programacion and Marcela Aristizabal, Presidente.(Stephens-AL).

COSTA RICA: Radio Universidad de Costa Rica 6105 f/d cd. in 45 ds. for 2 IRCs. v/s Marco Gonzalez.(Eramo-ARG). Adventist World Radio 7374.8, 6150 and 5030 f/d "Painting by Fred Nain Orantes" cd. in 5 wks.(Barto-CT).

CROATIA: Hrvatska Radiotelevizija 5895 via Deanovec f/d cd. in 6 wks. (Barto). 11635 f/d cd. in 3 mo. (Barto).

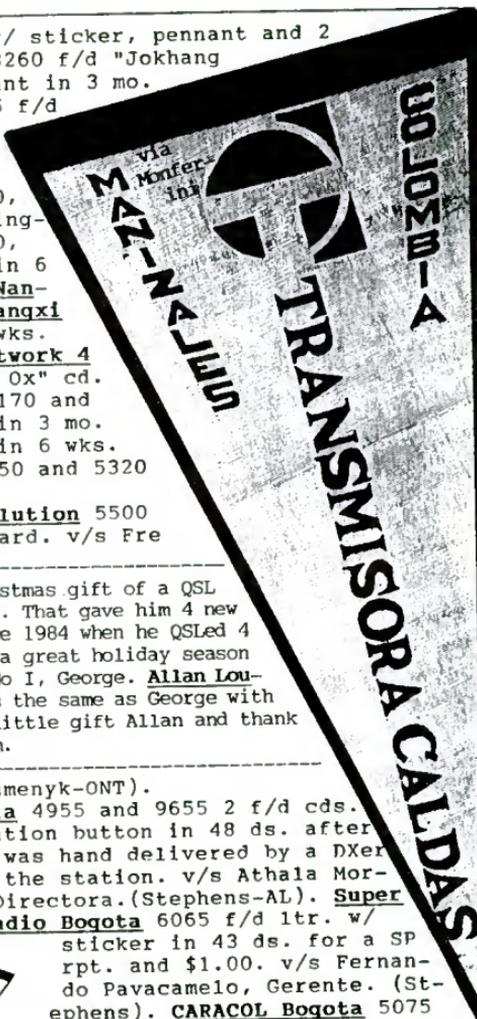
CUBA: Radio Habana Cuba 13680, 9830 and 11760 f/d "Logo" cd. w/ postcard signed by Lourdes Lopez, Head of Correspondence Dept. Also rcvd. decals, calendar and a personal ltr. All in 2 mo.(Barto). 11970, 11760, 9505 and 5965 f/d cd. w/ personal ltr. in 3 mo.(Barto).

CZECH REP: Radio Prague 6200 f/d "Marianske Lazne, Spa in western Bohemia" cd. in 18 ds.(Washburn). 7345 via Litomysl f/d "Central Square in South Bohemia" cd. w/ sticker and calendar in 24 ds.(Humenyk-ONT).

TURUN RADIO



94.3 MHz
YLEIRADIO



REPUBBLICA DI SAN MARINO

La prima Torre
La première Tour
The first Tower
Der Erster Turm



**RADIO SAN MARINO
INTERNATIONAL**

To Mr. SAM BARTO - Qsl n. 119

This confirm your reception report of December 20th, 1997, at 23.32 UTC, on the frequency of kHz 7.580 LSB. It was the first regular transmission of RSMI from the territory of the Republic of San Marino with the power of 0,3 kW and inverted-V antenna. Best regards from RSMI.

S. Gasperoni

via Sgrulletta

ADDRESS

Handwritten notes and stamps: "Radio San Marino International", "RSMI", "S. Gasperoni", and a circular stamp with "Radio San Marino International" text.

ECUADOR: HCJB 15540 f/d "Guagua de Pan" cd. in 25 ds. (Washburn).

ENGLAND: YOA 7170 f/d "VOA Building" cd. in 24 ds. (White). **Radio Japan** 6055 via **Skelton** f/d cd. in 6 wks. (Barto-CT)

ETHIOPIA: Voice of the Tigray Revolution 5500 f/d 2 page ltr. in 3 mo. via registered mail for \$1.00. (Myers-VA)... Also under clandestine.

EUROPEAN RUSSIA: Radio Nederland 4945 via **Krasnodar** f/d cd. in 25 ds. (Washburn-ME). **Voice of Russia** 5940 via **Moscow** f/d cd. w/ ltr. from Eugenia

* **Stepanova** in 49 ds. (Pasquale-PA). **Islamskaya Volna** 9730 via **Moscow** f/d cd. in 180 ds. (Humenyk-ONT).

FINLAND: Radio Finland 15400 f/d "Aerial View of Transmitter Site" cd. in 65 ds. (Washburn). same in 65 ds. for a rpt. mailed directly to the Pori transmitter site. (Stephens-AL).

NOTES: Denis Pasquale checks in from New Brighton, Pa and says that the QSL business has been a bit slow as of late. He hopes everyone has a great DX season. Our Brazilian contributor **Mr. Castro** from the DX Clube Paulista got a good laugh from the photo of his "tree chickens" that was published in the last bulletin. Actually, that same tree holds up one end of his longwire antenna. Thanks for the beautiful calendar. I have placed it on top of my DX desk...Sam.

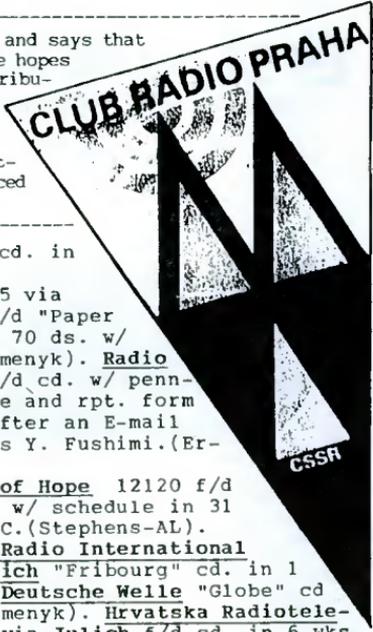
FRANCE: Radio France International 11615 f/d cd. in 79 ds. (Washburn).

FRENCH GUIANA: China Radio International 13685 via

Montsinery f/d "Paper Cuts" cd. in 70 ds. w/ calendar. (Humenyk). **Radio Japan** 9660 f/d cd. w/ pennant, schedule and rpt. form in 175 ds. after an E-mail f/up rpt. v/s Y. Fushimi. (Er-amo-ARG).

GEORGIA: Voice of Hope 12120 f/d "Mosaic" cd. w/ schedule in 31 ds. for 1 IRC. (Stephens-AL).

GERMANY: Swiss Radio International 7410 via **Julich** "Fribourg" cd. in 1 mo. (Barto). **Deutsche Welle** "Globe" cd in 15 ds. (Humenyk). **Hrvatska Radiotelevizija** 9495 via **Julich** f/d cd. in 6 wks. (Barto). 9595 f/d cd. in 3 mo. (Barto-CT). 5840 f/d cd. w/ ltr. in 42 ds. (Humenyk). **Radio Nederlands** 6045 via **Julich** f/d "The Sixties" cd. w/ station sticker in 37 ds. (Humenyk). **Radio Vlaanderen International** 11680 via **Julich** f/d cd. in 84 ds. (Humenyk). **GREECE: Radio Liberty** 7245 via **Kavala** nyk). f/d ltr. in 89 ds. for an E-mail rpt. (Neal-TX). **Voice of America** 15225 via **Kavala** f/d "LeConte Glacier" cd. in 194



RADIO SAN JOSE
37
Voz Oficial del Trabajador
Minero de Bolivia
Aniversario 1957-1994
1490 KHZ ONDA MEDIA
5985 MHZ ONDA CORTA
ORURO BOLIVIA

Official Last Day Transmission from Fredrikstad

SW site

QSL

Radio Norway International

1630-1700 UTC Saturday 18 October 1997

My name: John L. GUGLIETTA

Your reception report is hereby confirmed as correct.

The Fredrikstad transmitter site was officially opened on 3 January 1948 and closed on 18 October 1997. This last broadcast was performed using the 1976 Thomson 500 kW transmitter operated at 350 kW, radiating on the only remaining antenna, a rotatable logperiodic bearing 245 degrees. This special commemorative broadcast was produced to coincide with the Nordic DX Championship, following an initiative from DX-Listeners' Club.

ds. gold plated paper clip, VOA schedule (Humenyk).

GUAM: Adventist World Radio KSDA

13720 f/d cd. w/ "AWR Guam Stamp" and a full sheet of "25th Anniversary Stamps" w/ calendar, sked., and a time clock in 1 mo. v/s Miriam Pottinger, Secretary. (Barto). 9650 f/d cd. in 2 mo. (Barto-CT).

FRENCH GUIANA: Swiss Radio International

nal 9905 via Montsinery f/d "Neurenburg" cd. in 37 ds. v/s D. Farrett. (Clement-GA).
HAWAII: KWHR 11565 f/d "Satellite and Antenna" cd. in 57 ds. w/ report forms and schedule. (Hosoya-JPN).

IRELAND: United Christian Broadcasters 6200 f/d cd. w/ sticker and brochure in 24 ds. for 1 IRC (returned). v/s Graeme Wilson, Technical Manager. (Stephens).

一九九七年一月一日

台北國際之聲

In Celebration of the Opening of Radio Taipei International
January 1, 1998

別冊紀念



ant, hard bound book featuring (what else?) Kim Jong Il, schedule and a Happy New Year's cd. featuring American planes being shot down in 3 mo. (Barto-CT).

KOREA, REPUBLIC OF: Radio Korea International 9570 f/d "Traditional Folk Game" cd. in 16 ds. w/ schedule and newsltr. (Hosoya-JPN).

LAOS: Lao National Radio 6130 p/d ltr. w/ postcard of Luang Prabang in 64 ds. for a taped rpt. and \$1.00 v/s Miss Vichitsavanh Chanthery, English Section Announcer. (Stephens-AL).

MALAWI: Malawi Broadcasting Corporation 3380 f/d 2 pg. friendly ltr. in 56 ds. after 5 f/up rpts. and \$1. v/s P. Chinseu. (Stephens)

ISRAEL: Kol Israel 13755 and 17540 f/d cd. in 1 mo. (Barto). 9435, 7465 and 9365 p/d "Logo" cd. w/ schedule in 2 mo. (Barto). 9390 f/d cd. w/ schedule in 7 wks. (Barto). 11605, 7465 and 12080 f/d cd. w/ schedule in 50 ds. (Humenyk). 7465 f/d cd. in 39 ds. (Washburn).

ITALY: RAI n/d "Renato Guttuso Painting" cd. in 1 mo. (Humenyk).

JAPAN: Radio Japan f/d "World Heritage" cd. w/ schedule and a pocket calendar in 20 ds. (Humenyk).

KENYA: Kenya Broadcasting Corporation 4935 f/d prepared cd. w/ personal ltr. in 87 ds. for \$1. Sent SASE which was used. v/s Martin Ouma Ojwach, Engineer in Charge. (Stewart-MO).

KOREA, PEOPLES REP. OF: KCBS 7200, 9345, 6125 and 4780 p/d ltr. w/ postcards in 3 mo. (Barto). 3250, 6520 and 7580 n/d ltr. w/ penn-

Postcard from Pyongyang commemorating "machine guns which shot down many US imperialist air pirates."



Recuerdo..



**RADIO
UNION CALVENSE**
1510 KHZ.. 10.000 Vts.

Cariamanga - Loja
Ecuador

MEXICO: Radio Nucleo Mil 6010 p/d
* cd. w/ stickers and schedule
in 83 ds. for 2 IRCs. v/s Zoila
Quintanar Flores. (Eramo-ARG).
* **Radio Huyacocotla** 2390 p/d ltr.
in 93 ds. for a SP rpt. and \$1.
v/s Martha Silvia Ortiz Lopez,
Coordinadora. Special thanks to
Jeff White of WRMI who took my
rpts. to the Mexican DXers Con-
vention for distribution. (Step-
hens-AL).

**MOLDOVA: Radio Dniestr Internatio-
nal** 6205 via **Grigoriopol** f/d cd.
w/ ltr. in 2 mo. for \$2.00 via
the Rumen Pankov QSL Service in
Bulgaria. (Rigas-IL).

MOROCCO: VOA 15410 f/d "Waikiki
Beach" cd. in 38 ds. (Clement).

NEPAL Radio Nepal 5005 f/d "Mtn.
Scene" cd. in 44 ds. for \$1.00
v/s R.S. Karki, Engineer. (Step-
hens-AL).

NORWAY: Radio Norway International
13805 f/d "Rosepainter" cd. in
92 ds. (Washburn). "Last Day"
in 3 mo. for 1 IRC. v/s Bernt
Erfjord, DX Listeners Club. (Sg-
rulletta-NY). cd. in 33 ds. w/
sticker. v/s Monica Evger. (Humeny-
k-ONT).

Radio Denmark 13805 via **Kvitsoy** p/d "Logo" cd.
in 33 ds. (Humenyk).

PAKISTAN: Radio Pakistan 15485 via **Isla-
mabad** p/d cd. w/ f/d ltr. in 27 ds.
after an E-mail f/up rpt. (Neal-TX).

PERU: Radio Horizonte 5020 p/d ltr.
* w/ f/d "Certificado de Sintonia"
and a f/d QSL cd. in 52 ds. for a
SP rpt. and \$1.00. v/s Dolores
Gutierrez Atienza, Administradora.
(Stephens). **Radio Tropical** 4935
p/d "Logo" cd. w/ n/d ltr. via
registered mail in 41 ds. for a
SP rpt. and \$1.00. v/s Mary A.
Rengifo Tenazoa, Secretaria. (Step-
hens). **Radio Union** 6115 oversized cd. w/ 2 stickers in 319 ds. for a
SP rpt., tape and used stamps. (Stewart-MO). **Radio Comas Television**
3250 p/d ltr. w/ schedule, promo flyer, business cds. and a photo of
staff and building in 48 ds. for a SP rpt.
and \$1.00. w/s Gamaniel Francisco Cha-
hua, Productor y Programador. (Stephens).

PHILIPPINES: VOA 9760 f/d cd. w/ sked.
and sticker in 41 ds. (Hosoya-JPN).
FEBE Radio International DZF9 11995
f/d "Harvest of the Sea" cd. in 5 wks
w/ personal ltr. (Barto). 11610 f/d
"Jeepneys" cd. w/ personal ltr. in
1 mo. (Barto). **DZF3** 15095 f/d "Magnifi-
cent Mayon Volcano" cd. in 2 mo. w/
station calendar. (Barto). **DZH7** 9475 f/d
"Bocaue Transmitter Site" cd. in 5 wks.
w/ personal ltr. (Barto). **DZF5** 11635
same cd. in 7 wks. w/ f/d ltr. (Barto).
DZF4 9795 f/d "Jeepneys" cd. in 1 mo.
w/ personal ltr. v/s Aileen Draney.
(Barto-CT).

POLAND: Your editor recently wrote to
Radio voicing his concern over the
number of untasteful Polish jokes
that are being told. Mr. Zdzislaw



**RADIO COMAS
TELEVISION**

FMI. 101.7 AM. 1300

Gamaniel Francisco Chahua

PROGRAMADOR GENERAL AM, FM,
COORDINADOR DE PERNA
Voz Oficial

AV. EE. UU. RET - COMAS
KM. 10 AV. TUPAC AMARU

TELEF. 525-0859
DIGITAL 971-0591





Kleuszyewski replied to my letter and stated there are no Polish jokes - all the stories are true!

RHODES: VOA 7115 f/d "Waikiki Beach" cd. in 3 wks. (Maroti-NY).

ROMANIA: Radio Bucharest 9690 and 11940 f/d "Polk Costumes" cd. in 100 ds. w/ schedule and stickers. v/s F. Dochinov. (Humenyk). Radio Moldova International 7520 via Chisinau f/d ltr. in 488 ds. w/ calendar and sticker. (Humenyk).

RUSSIA: Golos Rossii 7125 n/d ltr. in RS in 73 ds. after 3 f/up rpts. My rpt. was posted in Russia by a friend who was visiting there. v/s Pavel Mikhaylov, DX Editor. (Stephens). Voice of the Mediterranean 17570 beautiful "Logo" cd. in 18 ds. (Hosoya). Radio Nederland 7260 "50th Anniversary" cd. in 15 ds. (Hosoya).

SAIPAN: KHBI 9355 f/d "Antenna Curtain" cd. in 191 ds. (Humenyk-ONT).

SAN MARINO: Radio San Marino International 7580 f/d "First Tower" cd. in 42 ds. for \$3.00. v/s S. Gasperoni, Chief Engineer. (Sgrulletta-NY). same in 6 wks. for \$3.00. (Maroti). in 6 wks. for \$3.00. My rpt. was sent to the Mainz, Germany addr. (Hosmer-MI). f/d cd. in 1 mo. 300 watts. (Barto-CT).

SAO TOME: VOA 7290 via Pinheira f/d "Sunrise" cd. in 39 ds.

SINGAPORE: Radio Japan 6035 via Kranji f/d cd. w/ sked. in 2 mo. (Barto).

SLOVAKIA: Adventist World Radio 11610 via Rimavska Sobota f/d sticker cd. w/ personal ltr. in 6 wks. v/s E. Gysin-Ruf, Listener Mail Department. (Barto).

SOLOMON ISLANDS: SIBC 5020 f/d cd. w/ schedule and ltr. in 2 mo. for 2 IRCs. (Eramo-ARG).

SRI LANKA: VOA 15395 via Colombo f/d "Colorado River Rafting" cd. in 45 ds. (Humenyk-ONT).

SUMATERA: RRI Jambi 4925 p/d ltr. in 43 ds. for an IN rpt. and \$1.00. v/s Buchari Muhammad, Stasiun Manager. (Stephens-AL).

SWAZILAND: Trans World Radio 4775 via Manzini f/d E-mail QSL in 21 ds. for an E-mail rpt. (Neal-TX). f/d cd. in 68 ds. w/ schedule. v/s Mrs. L. Stavropoulos. (Humenyk).

SWEDEN: Radio Sweden 7380 f/d "Stream in the Forest" cd. in 15 ds. (Washburn).

SWITZERLAND: Swiss Radio International 9745 via Sottens f/d "Sarnen - View from the summit of the Landenberg" in 32 ds. (Humenyk-ONT). 6165 and 9885 f/d "Fribourg" cd. in 1 mo. w/ schedule. (Barto-CT).



IMF
WORLD MISSIONS

LA VOZ de MISIONES INTERNACIONALES
de
CENTRO AMERICA
The Voice of IMF World Missions
from
TEGUIGALPA, HONDURAS

HRMI

1480 KHz MW 5890 KHz SIV

via Weissborn

This confirms your reception report of 1-14-1997

1992-1312 Time 5890Hz Freq 200WAT Output Power

[Signature]
Director

Full Gospel Radio From Central America.



TAHITI: RFO Tahiti 15168 p/d "Logo" cd. in 6 wks. for a FR rpt., tape and ms. (not used). via Registered mail. (Maroti-NY).

TAIWAN: Central Broadcasting System 11775 f/d cd. in 34 ds. for 1 IRC. (Stephens-AL). Voice of Free China 11745 & 9610 f/d "Baseball" cd. in 3 mo. w/ new pennant and sticker. (Barto-CT).....more



Radio 510 International

business cd., sticker and a tape of Uruguayan music in 52 ds. after 5 f/up rpt. in SP. v/s Adrian Beceiro, Coordinacion de Programacion. OSL was obtained via a DXer visiting the station. (Stephens-AL).

USA: Radio NADECO 5070 via **WWCR** cd. w/ personal ltr. in 1 wk. after a f/up rpt. v/s Martins Anyaebgu, Editor. (Field-MI). **KGSL (KGXL ?)** 1650 n/d ltr. from Saul Levine, President, in 2½ wks. for a taped rpt.

Addr. on envelope is 1500 Cotner Ave., Los Angeles, CA 90025. However, station ltr. head says P.O. Box 250028, LA., CA 90025. Station logo says "Show-tunes, **KGIL, 1260/1650**". (Berg-MA)

* **Fundamental Broadcasting Network** 5085 via **WGTG** n/d personal ltr. w/ stickers, schedule and magnet in 1 mo. v/s Michael D. Ebron, General Manager. Addr: 520 Roberts Rd., Newport, NC 28570. (Field-MI).

WYFR 7355, 11580 and 15565 f/d cd. in 6 wks. (Barto) (Barto). 6085, 11725, 15130 and 15355 f/d cd. in 24 ds. (Barto). 11580 and 15565 f/d cd. in 3 wks. (Barto). 7355 and 5985 f/d cd. in 1 mo. (Barto). 21525 f/d cd. w/ schedule in 53 ds. (Humenyk). 11830, 15215, 15695, 17555 and 21525 f/d cd. in 1 mo. (Barto). 9355 and 7435 f/d cd. in 3 wks. (Barto). **KJES** 7550 f/d white folder cd. in 128 ds. w/ sked. (Humenyk). **Voice of Free China** 11740 via **WYFR** f/d "Temple in Taiwan" cd. w/ schedule, newsltr., report forms and sticker in 27 ds. v/s

Carlson Wong. (Humenyk-ONT).

Radio Miami International

WRMI 9955 f/d cd. in 245 ds after 2 f/up rpt. v/s Jeff White. (Eramo-ARG). f/d "Art Deco Hotel in South Miami" cd. in 260 ds. (Humenyk).

WHRI 7315 f/d cd. w/ sked. in 143 ds. v/s Loren Holy-

cross. (Eramo-ARG). 13760 f/d "Globe w/ Logo" cd. in 108 ds. w/ sked. (Humenyk). 5715, 6040, 7315 and 15105 same cd. w/ schedule in 120 ds. (Humenyk-ONT). **WWCR** 12160 f/d "Globe/Tower" cd. in 37 ds. w/ schedule. (Humenyk). **WEWN** 11875 and 15745 f/d "Antenna Arrays" cd. in 38 ds. w/ sticker, sked., business cd. and newsltr. (Humenyk). **VOA** 13740 f/d

"Yellowstone" cd. in 24 ds. (White). **KAIJ** 5810 f/d cd. in 275 ds. for SASE. v/s Fred Bi-theil. (White). **WSHB** 18930 f/d cd. in 27 ds. v/s Judy P. Breland. (Clement-GA). **WMLK** 9465 n/d E-mail ltr. in 49 ds. after my E-mail f/up rpt. (Neal-TX). **Voice of Greece** 11730 via **Del-ano** f/d "House of Parliament" cd. w/ schedule in 32 ds. (Humenyk). 9775 same cd. w/ sked. in 23 ds. (Hosoya-JPN). 17745 via **Greenville** same cd. in 32 ds. (Humenyk-ONT).



UNA VOZ
DE AMISTAD
QUE
RECORRE
EL MUNDO

QSL Verification Card

Station Zambia National Broadcasting Corporation Radio 7

For _____
Thank you for your reception report. We are pleased to verify your reception of our transmission on 02:52 from 03:30 hours on 4910 kHz. with a power of 100 W watts.

ADVENTIST WORLD RADIO
Transmitter Sites - Past & Present



USA (Pirates): He Man Radio 6955 f/d "Pumpkin" cd. in 66 ds. (Humenyk)
WLIS 6955 f/d sheet # 1272 in 60 ds. for 3 ms (Neal). **Indira Calling** 6955 f/d sheet in 60 ds. for 3 ms. (Neal). **WBIG** 6955 f/d "Map" cd. w/ ltr. in 62 ds. for \$1. (Pasquale-PA). **The Voice of Christmas** 6955 f/d cd. #83 in 33 ds. for 3 ms. (Neal). **Radio**



Radio Miami International

8500 SW 8th Street, Suite 252
 Miami, Florida 33144 USA

Telephone (305) 267-1728
 Fax (305) 267-9253

WRMI CERTIFICADO QSL CERTIFICATE

This QSL certificate verifies that Henry Weissborn in Houston, TX - USA heard WRMI on Aug 15 '96 (UTC) at 0016-0044 UTC on 9.955 kHz. Thank you for your report, and we hope you will stay tuned to WRMI.

Free Speech 6955 f/d cd. w/ newsltr. in 26 ds. for 3 ms. (Washburn).
Radio Eclipse 6955 f/d ltr. w/ cd. in 56 ds. for 3 ms. (Washburn-ME).
Radio USA 6955 f/d ltr. w/ info. sheet in 134 ds. for 3 ms. (Washburn)
Anteater Radio 6955 f/d "License Plate" in 46 ds. for 3 ms. (Neal-TX).
Rock-It-Radio 6955 f/d cd. in 24 ds. for 3 ms. (Neal). **Free Hope Experience** 6954.5 f/d cd. in 37 ds. for 3 ms. (Neal). **Mystery Radio** 6955 f/d "Daydreams" cd. in 49 ds. for 3 ms. (Neal). **WRYT** 6955 p/d "Pirate Ship" sheet in 28 ds. (Stephens). **WRX Weasel Radio Express** 14405 f/d "Pirate Ship/Skull" cd. in 7 ds. (Stephens-AL). **Jerry Rigged Radio** 6955 f/d parchment sheet in 20 ds. (Stephens-AL)
World Parody Radio 6955 f/d cd. w/ newsltr. in 63 ds. for 3 ms. (Washburn).

Mrs. Jill Dybka
 8832 Hwy 70
 Nashville TN
 USA 37221-5807

UZBEKISTAN: Voice of Russia 17755 via **Tashkent** f/d "Pine Cones/Tree" cd. in 44 ds. (Humenyk-ONT).

VATICAN: Radio Vatican 7305 f/d "St. Peters Square" cd. in 77 ds. (Washburn). 13765 via **Santa Maria di Galeria** f/d "Pope behind the Mike" cd. in 138 ds. (Humenyk-ONT).

Dear Mrs. Dybka,

Please accept our apology for the delay in replying to your letter.

Even though we do not issue QSL cards, your reception report appears to be accurate. Often, we receive letters from listeners who such as yourself, reside in the United States. While our primary broadcast target area is the Eastern coast of James Bay in Northern Québec, we still appreciate receiving letters from our listeners.

For your convenience, we have enclosed our annual program schedule and information about our service. We also added your name in our mailing list.

Thanking you for listening to CBC North - Québec, we remain,

Yours sincerely,

Nathalie Chamberland
 Nathalie Chamberland
 CBC North - Québec

WEST BERLIN: Deutschlandfunk Berlin 6005 f/d bi-lingual EG/GM "Logo" cd. in 67 ds. (Stephens).

WEST IRIAN: RRI Merauke 3905 p/d "Logo" cd. after 3 f/up rpts. in IN for an IN rpt. and \$1.00. v/s Drs. Tuanakotta S. (Stephens-AL).

ZAMBIA: Radio Christian Voice 4965 p/d ltr. in 60 ds. for a taped rpt. and \$1.00. (Washburn-ME). 3330 p/d cd. w/ schedule in 56 ds. for 2 IRCs. (Eramo-ARG). **Zambia National Broadcasting** 4910 f/d cd. in 68 ds. v/s Patrick Nkula, Director of Engineering. (Humenyk).

Note: Your Editor was a bit premature regarding comments in the last issue about Radio Free Europe. I just received a confirmation letter (hand written) for verifications about all my previous reports - approximately 8 of them on 17 different frequencies. Quite pleased...Sam.

Best of QSLing to everyone and best wishes for a great convention!...Sam.

Sam

VENEZUELA: YVTO 5000 p/d "Observatorio Naval Cagigal" cd. in 81 ds. for 2 IRCs. v/s Gregorio Perez Moreno. (Eramo-ARG). **Radio Amazonas** 4940 f/d cd. in EG in 42 ds. for a SP rpt. and \$1.00. v/s Francisco Jose Ocano. (Stephens).



WORLD MISSIONS
 via Weissborn
RADIO

"REACHING THE NATIONS FOR CHRIST"

Scoreboard

Jerry Lineback
220 West Third
Garnett, KS 66032

Welcome to the NASWA SCOREBOARD once again. Thanks to all who participate. To keep your SCOREBOARD totals in effect, you must update at least once a year. Please update all totals when you update. Use the new MASWA Radio Countries List. C/H = Countries Heard, C/V = Countries Verified. The SPOTLIGHT is on Africa this quarter. Next deadline is May 15 for the June Journal when the SPOTLIGHT will be on Asia. Updates may be sent to me at jalinebk@kanza.net

Name, State	Total C/H	C/V	Africa C/H	C/V	Best African QSL
Dan Henderson, MD	242	234	65	63	ORTF Reunion
Marlin Field, MI	240	239	65	65	Mt.Nyeri, Kenya
Jerry Berg, MA	240	238	64	64	R Clube Tenerif
William Flynn, OR	240	223	63	57	V3USE Mauritius
John Sgrulletta, NY	234	234	64	64	Comoros Is.
Gerry Bishop, FL	233	215	63	55	R. Candip
Steven Lare, MI	230	209	60	50	Mauritius
Don Hosmer, MI	227	195	61	46	Malawi
Nobuaki Takahashi, Japan	226	201	64	56	R. Cordac
Terry Palmersheim, WA	224	213	59	55	Mauritius
Richard Davis, NM	219	211	56	54	Mauritius
Sheryl Paszkiewicz, WI	218	212	58	56	Sierra Leone
Paul Buer, FL	217	205	60	54	LV Isla Palma
Rick Krzemien, CA	216	212			
Christos Rigas, IL	214	194	55	44	St. Helena
Fred Kohlbrenner, PA	214	190	56	41	Sao Tome
Stephen E. Pitts, MN	207	196	54	47	St. Helena
Jerry Lineback, KS	206	108	60	32	St. Helena
Charlie Washburn, ME	204	163			
Stephen Price, PA	191	167	52	38	Uganda
Daniel McCarthy, GA	189	164	55	42	Congo World R.
Jim Renfrew, PA	183	147	51	31	Zanzibar
Allan Loudell, DE	182	153	49	33	Sao Tome
John C. Eckert, PA	179	162	51	41	Zanzibar
Ross Comeau, MA	178	145	48	33	Zanzibar
Gary Froemming, AZ	178	44	50	8	ZUD S. Africa
Andy Rugg, Que.	176	157	49	38	TWR Swaziland
Bill Bergadano, NJ	175	120			
Mark Hymenyk, ONT	169	135	44	32	Sentech (BBC)
George Maroti, NY	168	123			
Richard Hankison, KS	164	141	38	25	ORT Mauritania
Robert E. Gearing II, FL	155	122	44	23	Tanzania
Darren White, MS	154	110	41	18	Uganda BC
Carl Radtke, WA	153	153	36	36	Chad
Dan Ziolkowski, NY	152	70	44	10	St. Helena
Philip Atchley, CA	151	104	39	21	Ethiopia
Bob Raymond, NH	149	114	42	29	Em. Of. Angola
Joseph P. Zobro, MI	130	94	24	9	St. Helena
Jill Dybka, TN	123	88	28	13	St. Helena
Gary R. Neal, TX	114	99	20	17	R. St. Helena
Don Dacus, AR	65	31	6	2	Channel Africa
Sean Warner, MN	59	34	5	0	
Kelvin Buechert, MB	50	20			
Signee Hoffman, CA	39	28	4	2	Channel Africa

Contributors' Page

Fred S. Kohlbrenner
2641 S. Shields St.
Philadelphia, PA 19142
Internet: fkohl@ix.netcom.com

DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA
Albert ARNOLD, Chesterfield, VA
Jerry BERG, Lexington, MA
Pedro M.C. de CASTRO, Lorena, BRASIL
David CLARK, Thornhill, ONTARIO
Peter COSTELLO, Matawan, NJ
Pasquale DiBAISE, Portland, ME
Rich A. D'ANGELO, Wyomissing, PA
Nicolas ERAMO, Buenos Aires, ARGENTINA
Ralph FAMULARO, Hyogo-ken, JAPAN
Marlin FIELD, Hillsdale, MI
J. FINDLATER, Los Angeles, CA
Mark FINE, Remington, VA
Bob FRASER, Cohasset, MA
Bill FLYNN, Cave Junction, OR
Bob HILL, Littleton, MA
Don HOSMER, Dearborn, MI
Mark HUMENYK, Weston ONTARIO
Fred KOHLBRENNER, Philadelphia, PA
David KRAUSE, Eastlake, OH
Harold LEVISON, Philadelphia, PA
George MAROTI, Mt. Kisco, NY
William McGUIRE, Cheverly, MD
Gary NEAL, Sugarland, TX
Ed NEWBURY, Kimball, NE
Jay NOVELLO, Wake Forrest, NC
Takayuki Inoue NOZAKI, Tokyo, JAPAN
Denis PASQUALE, New Brighton, PA
Sheryl PASZKIEWICZ, Manitowoc, WI
Bob RAYMOND, Nashua, NH
Christos RIGAS, Wood Dale, IL
Chuck RIPPEL, Cornland, VA
Giovanni SERRA, Rome, ITALY
John SGRULETTA, Mahopac, NY
Randy STEWART, Springfield, MO
Tom SUNDSTROM, Vincentown, NJ
Mahendra VAGHJEE, Rose Hill, MAURITIUS
Sean WARNER, Minneapolis, MN
Terry WOLF, Bellville, OH
Robert YAJKO, Lecchburg, PA
Dan ZIOLKOWSKI, South Buffalo, NY

R8B AOR AR-7030 100' LW
FRG-7700 ICF-2010 Eavesdropper
R8 165' LW
Sony ICF-2001D 30m LW MFJ-16010
R8A NRD-515/SE-3 ANC-4 Carolina Beam
AR3030 DX-390 YB400 70' LW Tun-4A
Sangean ATS-818CS LW
R8 HF150 FL-3 AD Sloper LW
Sony 2010 ICF-7600G LW's
ICF-SW55 ATS-803A R5000 LW

FRG-7700 LW

Sony ICF-2003 ICF-SW100S 2m LW
R8 R7A DX-Ultra inverted V
Sony 2010/whip 120' dipole RW Loop

Magnavox D-2935 AN-60 antenna
R8 NRD-525 ANC-4 FL-3 Eavesdropper
Kenwood R600
R8 R70 YB400
Sony 2010 10/45m dipoles MFJ-956 tuner
DX-380
Grundig YB-400
WJ-1000 R8 60'Sloper 20' loop
R8A LW's

Sony 2010 beverage antennas
R8 NRD-525 60' LW Eavesdropper
DX-398 20m 5/8 wave vertical
R2000 Sony 2010 and 2002 Sloper AN-1
WJ-HF1000A R8B R390A/SE-3 51S-1 LW's
NRD-525 AD Sloper
NRD-515 AD Sloper Mosley trap dipole
FRG-100 w/Collins filters

Lowe Europa 225E Sony 2010 LW ARA60
Drake SW8 Satellit 700 YB305 Sloper
Sony 2010 LW
R8-A 80' LW
R8 Sloper SPS NRF-7 SEM QRM Eliminator

Pasquale DiBaise's logs were made while on a cruise. Logs from Rich D'Angelo and myself were made while on a DXpedition to Gifford Pinchot State Park in central PA with Kris Field and George Zeller. This was about our twenty-fifth trip to the park since '91.

Please mail your contributions in time for them to reach me by the 10th of each month. Remember to include your name at the end of each logging you send, and please leave two blank lines between logs. They are cut into strips before being sent on the the editors.

73's till next month.



Tropical Band Loggings

Sheryl Paszkiewicz
P.O. Box 152
Manitowoc, WI 54221-0152

- 2390.1 MEXICO R Huayacocotla 12/18 2350 S9 sig, mx, IDs (Nove-NC)
1/28 0051 mx, fades, tent (Cost-NJ)
- 2410 NEW GUINEA R Enga 11/27 1200* island mx, anmts (Ripp-VA)
- 2415 CHINA Wenzhou PBS 1/25 1520 organ mx, hymns, tlk (Flynn-OR)
- 2480h USA WWZQ 1/10 0635 50s-60s rock, ID of FM (Alex-PA)
- 3200 SWAZILAND TWR 11/15 0226 IS, ID, into lang (Sgru-NY)
- 3210 USA WWCR 1/10 0700 EG World of Radio (Wolf-OH)
- 3230 NEPAL RN 1/26 1510 TP, ID, nx ("Samachar") (Vagh-MAUR)
- 3245 INDIA AIR Lucknow 1529 EG tlk, theme, TP, ID, nx (Flynn-OR)
- 3250 HONDURAS R Luz y Vida 1/26 0350 EG rel, ID (Krau)
- 3255 S AFRICA 1/26 BBC Relay 0400 EG Nxdesk (Krau)
- 3255.1 BRAZIL Rdf 6 de agosto 1/25 1018 tlk, TC, vcIs (Berg-MA)
- 3270 NAMIBIA NBC 2/4 0425 EG nx, wx, good //3290 (Fiel-MI) 1/17
0220 Flack, Richie, etc, Afro pops separate pgm from 3290
at 0402 (Alex-PA)
- 3289.9 GUYANA GBC 1/27 0455 EG anmt, medleys, TC (Clar-ON)
- 3290 NAMIBIA NBC 1/23 1845 GM/EG EZL, tlk, ID & nx (Famu-JP)
- 3300 GUATEMALA R Cultural 1/18 0538 hymn, piano (Serr-IT)
- 3316 SIERRA LEONE SLBS 2/6 2215 public affairs pgm, ID & nx (D'Ang)
- 3325 BOUGAINVILLE RB 12/31 1250 mx, lang tlk, good night, hymn
extended bx for New Years? (Sgru-NY)
- 3339.9 PERU R Altura 1/25 1055 La Voz de la Esperanza pgm (Berg)
- 3365 INDIA AIR Delhi HD 1/10 1758 mx, ID, anmts (Serr-IT) 1/25
1304 SC mx, fair (Clar-ON)
- 3366 GHANA GBC 2/15 0535 chorus //4915 (Pasz-WI)
- 3385 NEW BRIT 12/26 1235 preacher, C&W, PSA (Nove-NC) 11/28 1242
rel call in, 1998 outlook (Sgru-NY) 1/24 1158 EG ID, call in
mx pgm (Maro-NY)
- 3390 SIKKIM AIR Gangtok 1/25 1220 tlk, EG nx //4860 (Clar-ON)
2/5 1250 tent w/tlk, weak (Flynn-OR)
- 3395 UNID 1/7 0302 chorus, sounds Afr, C&W (Levi-PA) Most likely
Zimbabwe--sp
- 3395.1 SUMATRA RRI Tanjungkarang 2/5 2250 pop mx, SCI, nx
lcl ID (D'Ang-PA) 1/13 2255 instl mx, SCI, tlk (Nove-NC)
1/11 2209 lagu, solemn tlk, theme, anmt (Hill-MA)
- 3396 ZIMBABWE ZBC 2/7 2201* tribal vcIs, ID, anmts, NA (D'Ang)
- 3904.9 NEW IRELAND RNI 1/25 1155 instls, mixing w/RRI Merauke so
tentative (Clar-ON) 2/8 0810 island mx, anmts (Kohl-PA)
- 3905 IRIAN JAYA RRI Merauke 1635* Koran w/abrupt s/off (Flynn-OR)
- 3925 PAPUA NBC test 12/24 1230 Xmas carols, greet, ID (Raus-NJ)
- 3955 ENGLAND BBC 12/20 2255 EG film play (Hume-ON)
- 3970 ENGLAND R Korea Relay 12/22 2025 GM cmtry, good (Hume-ON)
- 3976 KALIMANTAN RRI Pontianak 12/11 1008 anmts, EZL mx, tlk pgm
(Sgru-NY) 1/11 2227 singing like from James Bond movie, IS
of mi-fa-la-fa, TP (Hill-MA) 1/26 1558 IN romantic songs,
nx, on-scene rpts, lcl ID (Flynn-OR)
- 3985U ITALY IRRS 1/17 0630 EG ID, UN Pgm World in Review (Alex-PA)
- 3985 ITALY R Nexus via IRRS 1/22 1855 EG UN nx, Sea of Love, ID
Star Wars Theme (DiBi-AT SEA) Thanks a bunch!--sp
- 3985 SWITZERLAND CRI Relay 1/10 2130 FR tlk, accordion, EG (Alex)
- 4000 CHINA Nei Menggu 1/24 1425 tlk, piano //6045 (Flynn-OR)
- 4260 UNID 1/21 1004 tlk, brief mx, vy weak (Fiel-MI)
- 4549.4p BOLIVIA R Tropic 1/12 1015 tlk, drama, rancheros (Alex-PA)
- 4573v PERU R Uno 2/7 1113 TC, ID, huaynos (D'Ang-PA)
- 4605 ITALY RAI 1/18 0555* anmt, RS ID, spur? (Serr-IT)
- 4648.9 BOLIVIA R Santa Ana 12/14 2343 ID, comunicados, TC (Eram-ARG)
- 4719.9 BOLIVIA R Abaroa 12/18 1000 tent ID, noisy, mx (Mont-PA)
1/23 1009 mx, tlk, flutes, ID 1031 (Ziol-NY)
- 4750vp PERU R San Fran Solano 2/1 0436* campo mx, anmts, weak (Alex)

4753.3 SULAWESI RRI U-P 2/7 1159 SCI, nx, poor (D'Ang-PA) 2/1 0955 lagu hiburan (TIN)

4755.2 BRAZIL R Educ Rural 1/17 0901 tlk, promo, pop mx (Newb-NE)

4760 AND ISL AIR Pt Blair 1/24 2315 tone, IS, chorus, anmts, SC mx w/sitar, TP, tlk (Clar-ON)

4770 NIGERIA Kaduna 1/27 1742 speech, anmt, IDs, West pop (Serr-IT)

4774.9 BRAZIL R Liberal 1/11 0300 pops, anmts, ID, good (Alex-PA)

4774.9 PERU R Tarma 1/25 0333 Andean mx, YL anmts (Flyn-OR)

4775 INDIA AIR Imphal 1/25 1204 Christian pgm, spirituals, EG/HD tlk mix, strong (Clar-ON)

4783.4 MALI R Mali FR 1/18 0601 ID, chant, mx (Serr-IT)

4790.4 PAKISTAN AKR 1/15 1230 vcls, Koran (Nove-NC)

4795 BRAZIL Rdf Aquidauana 1/28 0048 tlk abt Brazil, hymns (Flyn)

4799.9 GUATEMALA R Buenas Nuevas 1/25 0059 mx, ID, fair (Ziol-NY)

4815 BRAZIL Rdf Londrina 2/2 0028 anmts, mx, ID (Eram-ARG)

4815 BURKINA FASO RTV Burkina FR 1/12 1745 chants, ID (Serr-IT) 2/7 0655 songs, ID, FR tlk (DeCa)

4820 BOTSWANA RB 2/6 2201* vcls, anmt, NA (D'Ang-PA)

4820sh CANADA RCI 1/11 1647 Fats Waller, EG cmtry (Hill-MA)

4826.3 PERU R Sicuani 1/25 1030 Quechua vcls, TC, into SP 1037 (Berg)

4830 THAILAND RT 11/20 0830 TH tlk by YL (Crai-VIET)

4845.2 MOLUCCAS RRI Ambon 2/1 0957 SCI, nx (TIN)

4855.5 PERU R La Hora 1/31 0055* anmts, ID, OA mx, rancheras (Alex)

4860 INDIA AIR Delhi 1/17 0028 SC mx, TP, tlk (Alex-PA) 2/8 *0028 HD vcls, ID, TP, nx, poor (D'Ang-PA)

4865 BRAZIL R Alvorada 2/3 0048 rel mx, ID, poor (Eram-ARG)

4870 ECUADOR LV del Upano 1/23 0136* tlk, HC mx, IDs (Alex-PA)

4885 BRAZIL R Clube PT 1/18 0610 Braz mx, Western mx (Serr-IT)

4890 PAPUA NBC 1/30 0920 EG RA relay, lcl nx, pop mx (Krau)

4890 PERU R Chota 12/23 1208 tlk, mx, tent ID (Mont-PA) 1/23 1115 OA mx, anmts, TC, ID (Berg-MA)

4895 INDIA AIR Kurseong 1/17 0110 SC mx, fair (Alex-PA)

4895 SARAWAK RTM Kuching 1/24 2210 tlk, instl mx (Clar-ON)

4914.5 PERU R Cora 2/1 1035 weak TC (TIN)

4915 BRAZIL R Anhanguera 2/3 0120 tlk, ID, ment Brazil (Ziol-NY)

4915 BRAZIL R CBN 2/3 0059 anmts, sports, nx, TC, ID (Eram-ARG)

4920 ECUADOR R Quito 1/10 0004 ads, nx, IDs, fair (Yajk-PA) 1/17 0915 folk mx (Newb-NE)

4920 RUSSIA Vor 1/23 1910 EG ID, fax, addr, etc (Famu-JP)

4925 SUMATRA RRI Jambi 1/12 1158 SCI, nx //4753.6, mx (Sgru-NY) 2/6 2259 SCI, nx, poor (D'Ang-PA) 2/6 2250 tlk, SCI, ID nx, poor (Kohl-PA)

4935 BRAZIL R Capixaba tent 1/18 0519 ID, live sermon (Serr-IT)

4935 KENYA KBC 12/26 2030 soul mx, EG ID, Silent Night (Nove-NC) 2/9 *0200 Talking Drum, TP, EG ID, nx (Ripp-VA) 2/7 0155 flute IS, NA, ID, anmts, pop mx (Kohl-PA) 12/21 2103 EG mx, good (Hume-ON)

4935 UNID 2/8 2215 rapid tlk almost AA, could've been Brazil futbol (Ripp-VA)

4940 SRI LANKA Ekala 1/25 1215 chants, EG tlk, ID, vcls (Clar-ON)

4950 ANGOLA RN 1/10 0300 ME mx, PT pops, Afr pop, IDs (Alex-PA) 12/21 2109 EZL, chat, Elvis, good (Hume-ON)

4959.7 VIETNAM VoV 1/31 2237 VT tlk, ment Vietnam, mx (Clar-ON) 1/31 2255 pop mx, tlk, IS, TP to 2300* (Nove-NC)

4960 SAO TOME VOA 1/26 0311 EG Daybreak Africa, wx, sports (Krau)

4960 VANUATU 1/25 0719 pacific mx, tlk, tentative (Cost-NJ)

4969.6t SABAH RTM Kota Kinabalu 1/10 2159 YL anmts, poss nx, flute mx, tnx Maroti (Sgru-NY) 1/24 2207 EZL mx (Clar-ON)

4970.1 INDIA AIR Shillong 1/25 1228 instl mx, chants (Clar-ON)

4971.4 UNID 1/8 0120 lang tlk, guitar, Imagen? (Sgru-NY)

4974.9 BRAZIL R Mundial 2/1 2254 instls, ID, nx, mx (Nove-NC)

4976 UGANDA RU 12/22 2036 Afr dance mx, ID to 2100* (Cost-NJ) 1/8 0312 Macarena--must have been tribal wedding! (Sgru-NY)

4985 BRAZIL R Brasil Central 2/3 0155 chat, vcl, ID (Ziol-NY)

4990 INDIA AIR Itanagar 1/11 0030 ID, Vandre Matram, ID, instl & nx, rel chants, IDs, tlk abt fertilizer (Vagh-MAUR)

*4990.9 SURINAM R Apintie 2/1 *0729 IS, drums, brass band (Clar-ON)

4995.6 PERU R Andina 1/14 2314 Andean vcls, good sig (Nove-NC)

5000 ERITREA Vo Masses 1/20 1635 tlk & mx (Vagh-MAUR)

5009.4 MADAGASCAR RM 1/24 2045 soul mx, seemed FR tlk, IS (Berg-MA)

5010 CHINA Guangxi Economic Bx Stn 2/4 1210 dance mx, anmts (Nove)

5010 INDIA AIR Thiru. 1/8 0115 Western mx, S9 sig (Sgru-NY) 1/24

*0019 SC mx, tlk, fair (Alex-PA)

5011.8 UNID 1/22 2332 SP continuous LA mx, fair (Levi-PA)
5015 TURKMEN Asgabat 1/21 1550 strange mx, tent (Flynn-OR)
5019.5 COLOMBIA Ecos del Atrato 1/2 1110 tlk, ment Colombia (Ziol)
5025 BENIN Parakou LL/FR 1/27 1747 chant, tlk, TP, anmts (Serr-IT)
5025 PERU R Quillabamba 12/15 0035 rel mx, ID, poor (Eram-ARG)
5030 SARAWAK RTM Kuching 1/24 2214 weak tlk but better than usual
(Clar-ON)
5030v VIETNAM VoV 1/7 2235 VT tlk, fair (Yajk-PA)
5035 CENT AFR REP R Centafricaine 1/23 1715 FR/LL tlks, anmt, FR
nx, speech (Vagh-MAUR)
5035.1 BRAZIL R Aparecida 1/18 0622 rosary, hymn, phone call (Serr-IT)
5039.9 CHINA Fujian PBS 1/31 2250 CH tlks, class mx (Clar-ON)
5047 TOGO R Lome 12/21 2249 FR Afr mx, tlk, good (Hume-ON)
5050.1 TANZANIA RT 1/24 2101* lang tlk, Afr pops, folk mx (Alex-PA)
5055U ICELAND INBS 12/24 1834 IC sermon //9275U (Hill-MA)
5070 USA Emerald R Ireland Relay 1/30 1014 EG nx, wx, farmers rpt
(Krau)
5076 COLOMBIA Caracol 1/26 0127 concert, TP, TC, ID, Cafe Nestle
ad (Flynn-OR)
5305 PERU R Frec Nueva 2/1 0301* OA flute mx, pops, ID (Alex-PA)
and IDing as R Inmaculada 2/6 2342 huaynos, IDs, TC (D'Ang-PA)
and 1/24 0205 balada, huaynos, comunicados, feliz cumpleaños
song (Nove-NC)
5420 CHINA CNR Minority svc 12/27 2217 MG yodel, anmts (Hill-MA)
5522.2 PERU R Sudamerica 1/24 0130* tlk, folk mx, IDs (Alex-PA)
5637.3 PERU R Peru 2/6 1027 huaynos, tlks, ID, TC (D'Ang-PA)
5777v PERU R Frec San Ignacio 1/7 0308* ID, folk mx, NA (Alex-PA)
5770 NICARAGUA R Miskut 1/23 0030 tlk, pops, sfx, sirens (Alex-PA)
5840 SWITZERLAND SRI 1/2 0649 EG tlk abt constitution (Krau)
5880 GERMANY Overcomer pgm w/Brother Stair 2/15 0445 (Pasz-WI)
5880 GERMANY R Vilnius Relay 1/30 0030 //5905 EG nx, cmtry (Alex-PA)
5883 VATICAN RV 1/25 2101 EG tlk abt Pope (who else?--sp) (Krau)
5890rf HONDURAS HRMI 1/25 0035 rel mx, ID, tlk (Alex-PA)

Let's see--this month reporters from 10 states, 1 Canadian province & 4 foreign countries! Give yourself a hand and open up a cold one--thanks to you this column represents a thorough bandscan of what's to be heard in the tropics. I myself have been doing some bandscans on the international bands and didn't realize how much conditions change day to day until I did this. Next deadline March 20.

Still some space to fill up so--by the time you read this I should have Web TV. Only bad thing is I won't be able to print off it so will have to manually write down logs of interest from DX bulletins etc. After much deliberation I chose Web TV over a new computer system. It's a long story.

Met with well known DXer Gerry Dexter recently. Some of his famous shortwave books such as Language Lab and Secrets of Successful QSLing are going out of print so grab them up fast!

CORRECTION--ATTENTION COUNTRY COUNTERS:

Last month's logging of RRI Palangkaraya counts as Kalimantan, not Sumatra. I thought all the longest place names in Indonesia were in Sumatra. Indonesia is by far my favorite and most exotic type of DX. Too bad reception is not very good here in Wisconsin. Sumatra especially eludes me.

In closing, let me wish all our Canadian DXers well after the infamous ice storm. Kudos to all the guys at DX Ontario and the CIDX Messenger for faithfully getting their bulletins out to us.

International Band Loggings

Wallace C. Treibel
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- 5905 GERMANY R Vilnius relay in EG 0030, tlk re values of Lith people (Pasquale PA, Krause OH)
- 5905 GERMANY W Coast R Ireland relay in EG 0100, cmntry, mx, features (Pasquale PA, Krause OH)
- 5935 LATVIA R Latvia Riga in EG 2135*, instrml mx, ID, nx, s/off anmt (Maroti NY, D'Angelo PA 2/6)
- 59494 GUYANA V of Guyana in EG 0005, U.S. pop rx, ID, obits, QRM after 0100 (Alexander PA 1/25)
- 5960 CANADA RCI Sackville in EG 2330, cmntry on pricing of drugs & patents (Levison PA 1/21)
- 5965 BULGARIA R Bulgaria in GK 1000*, tlks, GK mx & songs, ID over mx (Serra ITALY 1/25)
- 5975 UZBEKISTAN R Tashkent in EG 1216, opera mx, QRM BBC, //5060, 6025, 9715 (Fine VA 1/19)
- 5975 ANTIGUA BBC relay in EG 2255, cmntry on classic film by Orson Welles, g (Humenyk ONT)
- 5986 MYANMAR R Myanmar Rangoon in Barnar 1206, native mx, ID's, nx at TOH (Maroti NY 1/25)
in EG 1430, IS, ID "HEMA Radio Rangoon", fqy, features, mx, TC, nx, NA (Vaghjee MAUR 1/24)
- 59952 PERU R Melodia in SP 0725, lively Latin mx, many ID's over mx, f (Kohlbrener GPDx 2/8)
- 6005 GERMANY Deutschfunk R Berlin in GM 0210, DJ, pop mx, ID 0231 (DiBiase AT SEA 1/21)
- 6010 CHINA CRI Kunming in Lao 1446, long tlk ment HongKong often, CH vcl (Famularo JP 1/29)
- 6010 HUNGARY R Budapest in EG 0335, "Hungary Now", ID's, strong sig (Krause OH 1/17)
- 6015 ITALY RAI Rome in EG 1937, Netherlands at odds w/Italy over finances, //7225 (Fraser MA 1/14)
- 6030 GERMANY Sddeutsch Rundfunk in GM 0657, ad string, TC, ID, nx (DiBiase AT SEA 1/21)
- 6035 COLOMBIA LV del Guaviare in SP 1021, LA mx, ID's, TC's, QRM R Marti, p (D'Angelo PA 2/7)
- 6045 GERMANY R Netherlands relay in EG 1237, bridge mx, nx, //5975, f (Humenyk ONT)
- 6085 OMAN R Oman in AR 1810, nx, mx pgm, relig tlk to 1846, chime 1900 (Vaghjee MAUR 1/20)
- 6095 POLAND Polish R in EG 2030-2135*, nx, cmntry, lite instrml & opera mx, lcl pops, //6035, 7285, and 9525, all //s weaker than 6095 (Alexander PA 1/18)
- 6120 CANADA R Japan relay Sackville in EG 1135, "Close Up" on counseling fathers (Fraser MA 1/12)
- 6130 CANADA CHNX Halifax, NB in EG 1908, 50's mx, ID as CHNS 96 (MW) (Fraser MA 1/15)
- 6150 ITALY RAI Rome in EG 2206, cmntry re people who don't drive in Rome, g (Humenyk ONT)
- 6155 AUSTRIA RAI Vienna in EG 2232, opera mx, mailbag, nx (Krause OH 1/10, Arnold VA 1/18)
- 61881 PERU R Oriente in SP 1005, tlks, lively OA mx, ID's, sig splatter, f (Alexander PA, D'Angelo PA)
- 6200 IRELAND United Christian BC in EG 2245-2335, relig vcls, tlks, ID's, p (D'Angelo PA 2/6)
- 6225nf ANGOLA VORGAN in PT 2045-2102*, vocals, brief nx items, Willie Nelson song, TC mentioning Angola and ID prior to NA, f-g but some RTTY QRM (D'Angelo PA 2/5, Alexander PA 1/17)
- 6265nf ZAMBIA ZNBC-Radio 1 in ethnic lang *0250-0445+, fish eagle IS, choral anthem, Afr mx, tlk in lang, EG ID 0256, ex-4910, fqy & sked info (Alexander PA 1/31, Eramo ARGEN 2/6, Clark ONT 1/27) in lang 1920-2100+, drums, vcls, Radio One ID's (Famularo JP 1/23, Novello NC 1/21)
- 6290nf GEORGIA V of Hope in EG 2004, US relig pgms, ID's, QTH (Raymond NH 2/5, DiBiase 1/24)
- 6512 NORTH KOREA R Pyongyang in JP 1125, lcl folk mx, tlks, //6020, 7580 (Alexander PA 1/12)
- 65496 LEBANON V of Lebanon in AR 2210, ezl pop rx, Mideast mx, "R Kwai" theme (Novello NC 1/24)
- 68115 PERU R Ondas del Rio Mayo in SP 0200-0330*, echo anmts, ID's, huaynos, NA at s/off, g signal (Alexander PA 1/18) in SP 1102, morning mx show "El Madrugador" (Nozaki JAPAN 2/1)
- 6980usb COSTA RICA RFPI in EG 0329, interview by OM & YL, QTH, //7385, g (Humenyk ONTARIO)
- 7085 ERITREA V of Broad Masses in Tigrigna 1750, chant, western pop mx, ID?, ment Asmara, usual ham QRM (Serra ITALY 1/20) in Tigrigna & Tigre 0420, nx & native mx (Maroti NY 1/28)
- 7115 GREECE Rhodes-Dodecanese Islands VOA relay in AR *0358, Yankee Doodle IS, ID in EG, into nx in AR, pgm re life in America, f (D'Angelo PA 2/6, Maroti NY 1/16)
- 7115 YUGOSLAVIA RY via Bosnia in EG 0100, nx, Press Review, ID (Raymond NH 1/21)
- 7120nf/usb ITALY IRRS Milan in lang/EG 0845-0930+, ex 7125, into EG 0900, pop mx (Alexander PA 1/24)
- 7155 MOROCCO R Liberty relay in RS 0100-0200*, ID "R Svobodna", tlks (Findlater CA 1/14)
- 71561 VIETNAM RTV Bac Thai in VT 1330, VT instr mx, ID, tlks, nominal 7153 (Famularo JP 1/24)
- 7160 ALBANIA R Tirana in EG 0245, IS, ID, fqy, sked, political nx, g (McGuire MD 1/1)
- 7160nf? IRAN VOIRI Teheran in EG 2027*, tlk, ID, sked, QTH, poor audio level (Ziolkowski NY 1/11)
- 7165 ETHIOPIA R Ethiopia in FR 1717, lcl songs, ID, TC, feature tlk, g (Vaghjee MAURITIUS 1/28)
- 7195 ROMANIA RRI Bucharest in EG 2103, nx re W Perry, econ tlk, //6175 (Yajko PA, Humenyk ONT)
- 7210 QATAR QBS in AR 2330, AR mx, ID, anmts, chants (Paszkievicz WI 1/14, Findlater CA 1/12)
- 7215 SOUTH AFRICA Meyerton relay of TWR in lang? 0330, relig tlk/mx, ID in EG (Findlater 1/21)
- 7250 VATICAN STATE VR in EG 0600, tlk on Pope's trip to Cuba, ID (DiBiase AT SEA 1/25)
- 7250 INDIA AIR Panaji in Nepali? *0130, HD vcl mx w/flutes, anmts between sels, long tlk, f/o by 0226 (D'Angelo PA 2/6, Ziolkowski NY 1/8, Field MI 1/19)
- 7255 NIGERIA V of Nigeria Lagos in EG 0508-0700, budget analysis, nx, ID, rock mx w/Afro drums, into FR 0700 (Wolf OH 1/10, Newbury NE 1/29, Pasquale PA 1/31, Findlater CA 0)
- 7265 GERMANY Sudwestfunk Rohrdorf in GM 0955, pop mx, ads, TC, ID, nx (DiBiase AT SEA 1/16)
- 7280 SWEDEN R Sweden in EG/SW 0230, call-in pgm, ID, tlk, Swedish mx, national & cultural nx in EG, mention of Winter Olympics (Findlater CA 1/14, Krause OH 1/5, McGuire MD 1/28)

7300 RUSSIA VOA relay Petropavlovsk in KR 2200*, tlks, VOA IS, ID in EG, f (D'Angelo PA 2/5)
7300nf? TURKEY VbT in EG 2337-2400*, "Another Edition", TK mx (Flynn OR 2/4, Arnold VA 1/24)
7330 RUSSIA BBCWS relay Chita in CH 2227, bridge mx, cmntry, QRM VoRUSSIA (Humenyk ONT)
7375 BULGARIA RB in EG 0011, weird mx, drums, shouting, cmntry (Levison PA 1/21, Arnold VA 1/6)
7410 INDIA AIR Aligarh in EG 1746, sked, HD chants w/bow sound, anmts, ID's, nx, cmntry, //11620 (Serra ITALY 1/16, Yajko PA 1/8) in Tibetan? *1215, IS, chant, //11695 (Ziolkowski NY 1/11)
7465 NORWAY RNI in EG 0115, nx, sports cmntry, ID (Wolf OH 1/19) ED: RNI bests in EG Suns only
7465 ISRAEL Kol Israel in SP 2055*, nx, fqys, NA, //9365, 9435 (Humenyk ONT) in EG 2000, IS, ID, national nx, rpt on meeting in Jerusalem (McGuire MD 1/7, Arnold VA 1/25)
7510nf GUAM KSDA Agat (AWR) in Farsi?/EG 1715, Farsi to 1730, EG pgming at 1730 w/ID, QTH at Hong Kong, presumably moved from 9370 which was not audible as scheduled (Treibel WA 2/9)
7530 TAJIKISTAN R Free Asia relay Dushanbe in CH 2327, ezl mx, ballads, cmntry (Humenyk ONT)
9200 SUDAN Rep of Sudan R in AR 1918, long tlks, brief mx, ment "Omdurman" (Raymond NH 2/5)
9390 ISRAEL Reshet Bet Tel Aviv in HB 0500, tlks re Golan Heights/Hebron (Findlater CA 1/12)
9400 test USA WHRA Greenbush ME in EG 0540, ex-WVHA, testing w/Onward Christian Soldiers theme & tape loop w/ID, QTH, FAX, and sked -- 0500-0800 on 9400, other times for //s (Alexander PA 2/1)
9515 ITALY RAI-RTV1 Sicily in IT 1224, string of ads, ID "Giornali Radio" (DiBiase AT SEA 1/22)
9525 POLAND Polish R Warsaw in EG 1324, ID followed by classical piano, //11815 (Pasquale PA 1/1)
9530 THAILAND R Thailand in EG 1419, tlk about Thai architecture, beamed to SE Asia (Yajko PA 1/8)
9535 THAILAND R Thailand in EG 2040, nx w/items on Naval Museum & econ, f (Fraser MA 1/15)
9540nf? TURKEY V of Turkey in EG 2011, local mx/vcls, ID, IS, "As the World Turns" (Fine VA 2/1)
9570 NIGERIA R Nigeria Kaduna in EG 0615, cmntry re bush burning, elections, overmodulated signal, //4770 (Berg MA 1/19) in EG 0615, nx & analysis, ID, f-p, not hrd daily (Clark ONT 2/3)
9575 MOROCCO R Medi-Un in FR/AR 1710, pop mx w/YL DJ, ads in AR (DiBiase AT SEA 1/14)
9650 ALASKA R Free Asia relay by KNLS in CH 2327, ezl mx, //7530 relay Tajikistan (Humenyk ONT)
9665 BRAZIL China R Int relay Brasilia in SP 0125, mx by YL, cmntry, ID, g (Humenyk ONT 1/11)
9670 PHILIPPINES R Veritas Asia in Lao 1200, ID, fqy, and in EG that next pgm would be in Lao lang, (Kohlbrener GPDx 2/6) and in EG at 0026 that next pgm would be in Tamil (Eramo ARG 2/5)
9675 SOUTH AFRICA Channel Africa in EG 0500, ID, fqy, sked, political nx, g (McGuire MD 1/15)
9705 MEXICO R Mexico Int in EG 0415, "Antenna Radio Summary", nx, ID (Kohlbrener GPDx 2/7)
9715 UZBEKISTAN R Tashkent in HD/EG, tlk in HD, AR vocal, ID, into EG pgming 1330 w/another ID but in EG, signal f-p due to multipath echo, //5975 vp (Ziolkowski NY 1/19, Pasquale PA 1/31)
9730 FRENCH GUIANA China R Int relay in EG 0406, China wants dialog w/Iraq (Newbury NE 1/31)
9770 ANGOLA VORGAN in PT *0448, guitar/drums/cock crow IS, ID's, NA 0451, echo ancmts, many ments of Galo Negro, PT pop rx, vg strong sig (Alexander PA 1/17)
9810 THAILAND R Thailand in EG 1233, nx, cmntry on Asian econ crisis, "Sound of Thai Music" pgm, promo for Thailand tourism (Fine VA 1/19, Pasquale PA 1/24)
9910 PALAU R Free Asia relay via KHBN in CH 2327, ezl mx, cmntry, //7530, 9650 (Humenyk ONT)
9960 NORWAY RNI in EG 1900, feature on money in sports, political nx, vg (Fraser MA, Levison PA)
9965 ARMENIA V of Armenia in EG 2130, "Mailbox", crushing static, 1000 kw xmtr (Wolf OH 1/17)
100598 VIETNAM V of Vietnam Hanoi in VT 1153, Asian vlks, long tlks, postal flutter (Rippel VA 2/7)
11402 ICELAND Rikisutvarpid Reykjavik in IC 1950, nx, ment Microsoft, //13650 (Ziolkowski NY 1/11)
11570 PAKISTAN R Pakistan Islamabad in EG 1400, nx, wx rpt, ID 1405 (DiBiase AT SEA 1/21)
11680 GERMANY R Vlaanderen relay Julich in EG 1745, "Radio World", QTH, f (Humenyk ONT 1/18)
11750 QATAR QBBS in AR 1626-1704*, dramatic narrative, 5+1 pips, ID, nx, TC, fqy (Maroti NY 1/19)
11760 PHILIPPINES VOA relay in EG 2300, "VOA Today", ID, nx, sports rpt, g (Findlater CA 1/26)
11780 BRAZIL R Nac Amazonia in PT 2300, ID, non stop BR mx, sports (Findlater CA, Humenyk ONT)
117944v BRAZIL R Guaiba in PT 2305, sports tlk, varying from nominal 11785, //6000 (Novello NC 1/14)
11800 ETHIOPIA V of Peace in lang/EG 1950, tlks, songs, ID in EG at 2000* (Vaghjee MAUR 1/28)
11805 PHILIPPINES VOA relay in IN 2300-2300*, ID YL tlk, g, //15205 (Findlater CA 2/16)
11835 BOSNIA R Yugoslavia relay Bijeljina in EG 1330, ID, ancmts, nx, f (D'Angelo PA 2/6)
11835 ASCENSION IS BBC relay in EG 2200-2300*, ID, "The World Today", nx, sports (Findlater CA)
11870 USA R Free Asia relay Delano in CH 2344, nx, theme mx, ID's in CH/EG (Paszkiwicz WI 1/14)
12015nf ECUADOR HCJB Quito in EG 2030, "Sounds of Joy, Worldwide", alt to 12025 (Fraser MA 1/18)
120193v VIETNAM V of Vietnam in EG 1236, nx, tlk on today's Hanoi, f, //98399 (Fine VA 1/19)
12080v ISRAEL Kol Israel in EG 1518, nx topics re Israel, tlk on birds in Israel, f (Krause OH 1/18)
13625 USA KWHIR Naalehu, Hawaii in EG, "DX'ing with Cumbre" by Marie Lamb (Humenyk ONT)
13625 FRENCH GUIANA R France Int relay in EG 1222, tlk on European monetary fund (Newbury NE)
13680 BELGIUM R Vlaanderen in EG 1300, mx from Flanders, duet from Ghent, f (Pasquale PA 1/24)
13710 BOTSWANA VOA relay in EG 2100, ID, "World Report", nx, cmntry, Olympics (Findlater 2/17)
15186 EQUATORIAL GUINEA R Africa in EG 2230, constant US relig pgms (Raymond NH 1/19)
15240 SWEDEN R Sweden in EG 1433, "News About Sweden", g, //11650, 11880 (Yajko PA 1/8)
15240 SOUTH AFRICA Channel Africa in EG 1800, phone interview, "Newswatch", ID's, cmntry on land reforms in Zimbabwe (Levison PA, Humenyk ONT, Serra ITALY, Arnold VA, Pasquale PA)
152445 CONGO R Nac Congolaise in FR 1701, tlk, vcl, ancmt, soukous mx, QRM S Afr (Hill MA 1/11)
15250 ITALY RAI Rome in IT 1828, bird chirping IS, bells, ID, fqy, nx, //11800 (Serra ITALY 1/27)
15315 NETHERLAND ANTILLES RN relay in EG *1830, "Newline", exc, //11655 (Levison PA 1/29)
15380 NO MARIANAS ISLANDS KFBS Saipan in Javanese 1030, mx & relig message (Eramo ARG 2/7)
15395 UNITED ARAB EMIRATES UAE R in Dubai in EG 1029, cmntry, TC, wx rpt (Wolf OH 1/12)
15400 CHINA CRI Baoding in EG 1027, "Current Affairs", porn problems, ID, fg (Wolf OH 1/7)

- 15435 LIBYA R Jamahiriya in AR 1050-1130, slow tlk, AR hymn & vocals, ancmt, TP, ID, NA, nx, brief chants, QRM splats from co-channel RFI (French Guiana relay), p (Serra ITALY 1/25)
- 15445 BRAZIL R Bras in EG 1200, "Topics for Today", recap of tlk by Brazil's president (Krause 1/31)
- 15575 SOUTH KOREA R Korea Int in SP 0112, nx about Korea, ID (Paszkievicz WI 1/14)
- 17485 CZECH REPUBLIC R Prague in EG 1005, trad mx pgm, ID, //21705 (Serra ITALY 1/25)
- 17545 ISRAEL Kol Israel Tel Aviv in HB 1440, taped cmntry by OM, //15615, vg (Humenyk ONT 1/11)
- 17675 NEW ZEALAND RNZI in EG 2200, ID, nx, Olympic skeds & results, g (Findlater CA 2/12)
- 17725 PORTUGAL RDPI Lisbon in PT 1018, Holy Mass pgm, g, //21655 vp (Serra ITALY 1/25)
- 17745 ROMANIA RRI Bucharest in EG 1350, mailbag, mx interval, song in Romanian (Levison PA 1/30)
- 17795 AUSTRALIA RA in EG 2127, taped rpt by OM regarding politics in India, ID (Humenyk ONT)
- 17805nf? SPAIN R E Espana in SP 1800, ancg world service, pips, many ID's (DiBiase AT SEA 1/17)

CLANDESTINE STATIONS

- 7515 ETHIOPIA V of the Tigray Revolution in lang *0354-0415+, string instrum mx, IS, echo anmts 0358, tlk in lang, lcl mx, weak signal, better on //5500 (Alexander PA 1/18)
- 79996v ERITREA V of Sudan in AR *0358-0500+, s/on with instrum mx, tlk in AR, ID, many mentions of Sudan, nx?, speeches before live audience, g, //9025 (Alexander PA 1/17, D'Angelo PA 2/6)
- 9230nf? ERITREA V of Democratic Eritrea/ V of Free Eritrea/ V of Truth in AR 1526-1612, seemingly one package of pgms from three separate organizations, Demo Eritrea concluded with vcls followed by 3 pips at 1532, then ID for Free Eritrea and so on, mostly tlks, some mx, p (D'Angelo PA 2/6)
- 95685 SITE? V of the Iraqi People in AR 1845, tlk, AR mx, ID's "...sawt al shab al Iraqi", slow tlk mixed
- 9610 SITE? V of Islamic Revolution in Iraq in lang? 0331-0402, vocal sel, ID?, long prayers, numerous nx items ment Iraq and Washington, fair sig but fqy muffled, //7295 distorted (D'Angelo PA 2/7) w/AR flute mx, ment Baghdad, pips 1900, hymn, QRM het & splat (Serra ITALY 1/25)
- 9980 SITE? V of the Oromo Liberation Ethiopian clandestine in lang *1700, s/on with local mx, tlk by OM & YL, more mx, f, hrd on a Saturday (weekends only?) (Alexander PA 1/24)
- 11605 SITE? V of the Oromo Liberation Ethiopian clandestine in lang 1720-1759*, same kind of pgmg as noted above on 9980, hrd on a Sunday (Alexander PA 1/18)
- 11645nf SOUTH AFRICA? V of Free Nigeria relay in EG 1900-1959*, ex-11715, anti-Government talk, Afro pop mx, ID, Saturday only, strong sig (Alexander PA 1/24)
- 12008 ERITREA V of Sudan in lang 1607, OM speaking non-stop, splatter 12015, p (Flynn OR 1/23)

TENTATIVE, PRESUMED, OR UNKNOWN

- 60898 NIGERIA R Nigeria(t) in EG 0707, OM w/tlk, Afro pops, strong QRM, vp (Serra ITALY 1/18)
- 64203 PERU? R Mi Frontera (listed WRTVH) in SP? 0137, mx pgm, no ID hrd, f/o 0215 (Field MI 1/10)
- 6570 MYANMAR(p) Defense Forces BC Station 1158-1221, back to back SEA ballads, No ID or even a break in the mx at the TOH, weakly hrd anmt at tune out (Rippel VA 2/7, D'Angelo PA 2/6)
- 66215nf? VIETNAM Hanoi 3 Hmong Service(p) in VT 1156, SEA accapella, solo male vocalization, riffing over and over on a short segment of tune, until just before 1200. High, melodic IS once, then theme and more tlk, back into vcl mx, ID?, off after 1230, hrd again next day on 66247 (Novello NC 1/21) ED: Novello rpts ID was per Hans Johnson who heard the same thing, //50348 not hrd on 1/21 or 22
- 6675nf? PERU(p) R Ondas del Rio Maranon in SP 2344-0029*, no ID, NA*, ex 65202? (Field MI 1/17&19)
- 6866 SOMALIA(p) R Hargeisa(t) in lang 1757, choral chants, tlk by OM, bad QRM (Serra ITALY 1/25)
- 7580nf? SAN MARINO(p) R San Marino Int in IT 2243, cmntry by OM, no ID rptd (Humenyk ONT 12/20)
- 95602 ETHIOPIA(p) R Ethiopia(t) in FR 1721, tlk, FR pops, ID?, bell toll 1730, nx, QRM, p (Serra 1/12)
- 96194 MOZAMBIQUE(p) R Mocambique Maputo(t) in PT? 0515, badly muffled audio, vocal w/het from 9620 carrier. Would be fair if xmtr output modulated properly (Clark ONT 1/27)
- 154148 BRAZIL R Clube Ribeirao(t) in PT 0030, tlk by OM, melodic Brazilian vcls, ads, DJ talk, never an explicit ID (Costello NJ 1/28, Novello NC 1/28) ED: WRTVH lists only 1 kw xmtr power

LAST MINUTE ARRIVALS

The following loggings arrived after I completed the sections in which they would have been included so instead of holding them over until next month, I will use the remaining space for them.

- 5945 VATICAN STATE Vatican R in PT/SP 0100, ID, relig tlk, hymns, //7305, 9605 (Findlater CA 2/11)
- 6080 SAO TOME VOA relay in EG 0600, nx, "VOA Saturday", Olympic results, g (Findlater 2/13)
- 6190 JAPAN NHK Tokyo in EG 0630-0700*, ID, tlk on town of Nagano, Olympic results (Findlater)
- 7295 MOROCCO VOA relay in EG 0500, "VOA Today", nx, Olympic skeds, interviews with players, into Serbian lang 0630, and s/off 0700, g (Findlater CA 2/16)
- 9395 GREECE V of Greece in PT/EG 2315-2350*, PT to 2345, into EG 2345, ID, nx, Olympics review, signal weak but audible, //9425 (Findlater CA 2/17)

THE 1998 NORTH AMERICAN DX CHAMPIONSHIPS (NADXC)
A Shortwave Listening Contest Sponsored by
The Association of North American Radio Clubs (ANARC)

PURPOSE

This contest is designed to promote the shortwave listening hobby and to provide those SWL's and DXers interested in competing an opportunity to participate in a carefully run, challenging contest.

ELIGIBILITY: The 1998 DX Championship is open to all DXers residing in North America [as defined by the country list of the North American Shortwave Association (NASWA)]. Members of the NADXC Administrative Committee are excluded from participation as well as any contestant who has won first place two times or more in the last five years.

LISTENING PERIOD, FREQUENCIES, AND TIMES: The contest listening period will begin on **Friday, 20 March 1998, at 1900 EST (0000 UTC) and end Sunday, 22 March 1998, at 2359 EST (0459 UTC).**

SPECIAL CATEGORY: This year there will be a special Hollow State category with prizes awarded to the top three contestants who compile their logs exclusively with hollow state equipment. If an analog hollow state receiver is used, the final score is to be multiplied by 1.3. For a digital readout receiver, the actual score should be reported.

PRIZES: Plaques will be awarded by ANARC to the top three finishers. All entrants will receive a participation certificate indicating that they competed in the 1998 North American DX Championships. The certificates for the top 20 will have their place of finish in the NADXC indicated on the certificate.

SCORING: Contestants are to log as many stations as possible from as many countries as possible within the prescribed listening parameters. The **first station** logged from each country = **1 point**. The **second station** from each country = **3 points**; each **additional station** from that country = **5 points**. To qualify for the contest, each contestant must present logs of five stations from each continent (Africa, Asia, Europe, North America, Oceania and South America) as a minimum—entries without these 30 logs will not be considered. These required countries **are** to be counted in point totals. Upon completion of the contest, multiply the point total by the number of countries heard to determine the final score. For contest purposes, all clandestine stations and hobby pirate transmissions will be considered one "country." A station is a shortwave broadcaster whose transmissions are intended for reception by the general public. Each transmitter site of a broadcasting organization will count as a separate station. Different services of the same broadcast organization do not count as separate stations. Transmissions of a single broadcast organization on various frequencies may only be counted once. The use of multiple frequencies does not create as many new stations as frequencies used. For country counting and station counting purposes, the country list of the North American Shortwave Association (45 Wildflower Road, Levittown, Pa 19057) will be the sole criterion.

Participants are required to submit a log to include country, station, frequency, time, date, SINPO, and the basis of station identification (i.e., spoken ID, interval signal, language, program, known//frequency checked, etc.). The required five countries from each continent should be placed at the beginning of the log.

Each contestant is required to total his own entry and provide a summary of the number of countries and stations claimed to support the point totals. The receiver(s) used in the contest must also be indicated. Logs will be judged on accuracy, completeness and neatness. If the judges cannot read a log, it will not be counted for scoring purposes. The decision of the judges is final.

FEES: An administrative fee of \$4.00 plus four \$0.32 stamps must be provided for each contest entry. All entries must be postmarked by Wednesday, 1 April 1998, and sent to: **Dr. Harold Cones, Two Whits Court, Newport News, VA 23606 USA**. Checks should be made payable to Dr. Harold Cones, not ANARC or NADXC.

Contestants will be notified of the results in June, and a list of winners will be sent to each of the ANARC member clubs for publication.

Good luck from the 1998 NADXC Administrative Committee - Harold Cones, Kris Field and John Fisher.

11th Annual Winter SWL Festival

March 12-14, 1998

Holiday Inn
Sunneytown Pike
Kulpsville, Pennsylvania

"Yeah, but ours
go up to eleven..."

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.

Registration Options include:

FULL	— Includes forums, hospitality room, lunch and banquet	— \$40
PARTIAL	— Includes forums, hospitality room but NO meals	— \$17
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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, 1998.

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 1998, one special rate \$64 single or double! Tell the hotel staff you're with the WINTER SWL FEST to receive this special room rate. Up to the minute info. can be heard on the ANARC SWL NET on 7240 LSB at 10 AM Sundays.

The Holiday Inn is located at EXIT 31 of the PA Turnpike Northeast Extension-Lansdale Interchange. Improved access from the south with the Blue Route—ask for details. Limo service is available from Phila. Intl Airport directly to the Holiday Inn.

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

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Bring your Drake R8 or R8A for the Drake R8 Clinic Friday

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Registration verifications can only be made if you supply an email address! Sorry if this is an inconvenience.

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