



# the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVIII NUMBER 6

JUNE 1998

## ENGLISH (SHORT-WAVE)

UTC	Frequencies (kHz)	Days	Programs
<b>UNITED STATES, CARIBBEAN</b>			
0100-0200	5960, & 9535, 9755, & 11715, & 13670	MO: TU-SA: SU:	(RCI) NEWS / ARTS IN CANADA [4] / THE MAILBAG (RCI) NEWS / SPECTRUM [1] (RCI) NEWS / VENTURE CANADA [6] / EARTH WATCH [5]
0200-0230	9535, 11715, 9755, 13670	TU-SA:	(RCI) NEWS / SPECTRUM [1]
0200-0300	9535, 9755, 11715, 13670	SU: MO:	(CBC) NEWS / THE GREAT EASTERN [4] / MADLY OFF IN ALL DIRECTIONS [4] (CBC) NEWS / TAPESTRY [4]
1200-1300	9640, 11855, 13650	MO: TU-SA: SU:	(CBC) NEWS / INSIDE TRACK [3] / MADLY OFF IN ALL DIRECTIONS [4] (CBC) NEWS / AS IT HAPPENS [1] (CBC) NEWS / QUIRKS AND QUARKS [5]
1300-1359	9640, 11855, 13650	TU-FR: MO:	(CBC) NEWS / THIS MORNING, TONIGHT [1] (CBC) NEWS / P. GZOWSKI'S FORUM [1] / OUT FRONT [1]
1300-1600	11855, 13650	SU:	(CBC) NEWS / THIS MORNING [1]
2200-2230	5960, 9755, 13670, 15305	MO-FR: SA-SU:	(CBC) THE WORLD AT SIX [2] (CBC) THE WORLD THIS WEEK-END [2]
2230-2300	5960, 9755, 13670	SAT: SUN:	(CBC) NEWS / MYSTERY PROJECT [4] (CBC) NEWS / SOUND ADVICE [4]
2230-0000	5960, 9755, 13670	MO-TH: FR:	(CBC) NEWS / AS IT HAPPENS [1] (CBC) NEWS / AS IT HAPPENS [1] / C'EST LA VIE [1]
2300-2330	11895, 15305	MO-FR:	(CBC) THE WORLD AT SIX [2]
2300-0000	5960, 9755, 11895, 13670, 15305	SA: SU:	(CBC) NEWS / QUIRKS AND QUARKS [5] (CBC) NEWS / SOUND ADVICE [4]

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The "Plus" version retains all of the regular AR7030 features and includes the following: Increase balance of the mixer, high tolerance, low noise components, 400 total memories, multi-timers, alpha tagging, enhanced RF attenuator, higher spec. antenna input, ceramic metal cased 4 kHz filter. Typical bandwidths are: 9.5, 5.3, 4 and 2.2 kHz. In stock now!

Call for latest pricing on the AOR AR-7030 and AOR AR-7030+

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NRD-345



Famous for its top-gang receivers, Japan Radio Company once again pioneers with a brand new model at a surprisingly affordable price. This incredibly attractive and compact radio delivers hour-after-hour of listening pleasure with high dynamic range and synchronous AM detection to help tame fading. Dual IF filters (6/2 kHz) are supplied, with a third optional position available. Tuning the radio is smooth as silk with a large indented main tuning knob. The easy-to-read LCD type display shows you the precise frequency to 10 Hz! The variable Noise Blanker is effective against pulse and ignition interference. The sophisticated memory system stores 100 channels with frequency, mode, AGC, attenuator, VFO, bandwidth and NB status parameters all stored. Both memory and frequency scanning are supported. The Clock-Timer function enables the radio to turn on and off at a specific time and the clock can be set for UTC or local time. The Tone Control, AGC and 20 dB Attenuator let you refine the signal to your personal taste. Other refinements include an analog S-Meter, Tilt-Bar, Up/Down Tuning buttons, Dual VFOs and Dial Lock. Rear panel jacks include: External Speaker, Record Jack, RS232 port, FAX/RTTY Line Out and DB-25 RS-232C port. Switch selectable dual antenna inputs are featured to support both wire-type or coaxial-type lead ins. In stock now.

NRD-345 List \$899.95 Order #0345 \$799.95 (+\$10 UPS)

## Shortwave Receivers Past & Present

Communications Receivers 1945-1997



- New 3rd Ed.
- 108 Chapters
- 472 Pages
- 840 Photos
- Printed Mar. 99
- Covers 1942 to 1997.
- 770 Receivers
- 660 Variants
- Includes 98 U.S. and Intl. manufacturers
- \$24.95 (+\$2 ship)

This huge 472 page Third Edition includes over 770 shortwave and amateur communications receivers made from 1942 to 1997. Here is everything you need to know as a radio collector or informed receiver buyer. Entry information includes: receiver type, date sold, photograph, size & weight, features, reviews, specifications, new & used values, variants, value rating and availability. Ninety eight worldwide manufacturers are represented. 840 Photos. Become an instant receiver expert!

Chapter Titles: Introduction, Buying A Used Receiver, Using This Book, More Information, Repair & Restoration, Allied, Ameco, Anritsu, AOR, Atlas, AWA, Bearcat, Bharat, Cardwell, Collins, ConFocus, CPC, Cubic, Dansk Radio, Davco, Debeg, Demar, Drake, Ectophone, Eddystone, Elicco, Eta, Eika, Fairview, Galaxy, Geico, General Dynamics, Globe, Gonset, Hagenuk, Hallicrafters, Hammarlund, Harvey, Wells, Heathkit, Howard, Icom, JRC, Kenwood, Trio, Kingsley, Kingki, KX, Lafayette, Lowe, LTV, Teneco, Mackay, Marconi, McKay, Dymek, Midland, Morrow, Mosley, Multi-Etric, Murphy, National, Nera, Norin, Panasonic, PhaseTrack, Philips, Phionra, Pierson Elec, Pierson Holt, Plessey, Quality U.S. Tech., Racial, R.C.A. Raytheon, Realistic, Radfon, RF Comm., Reas Maco, RFT, RME, Rohde & Schwarz, Rosetta Labs, SA IT, E.H. Scott, Sears, Siemens, Swan, Sony, S.P. Radio, Sources-Sanders, Standard, STC, Sunair, Svenska, Swain, Taro, Technical Material, Teleteknik, TEH, TEC, Thomson-CSF, Transworld, Videotek-Mechatrol, Vigilant, Watkins-Johnson, Yaesu, Brielly mentioned, Receivers That Never Were. Additional Information and Model Number Index.

Over 120 pages more than the previous edition! In stock now!



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## COMMUNICATIONS CATALOG

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

1 800 431-3939

From EDXC secretary general **Risto Vahakainu** (Box 214, 00101 Helsinki, Finland or e-mail: risto.vahakainu@helsinki.fi) we have further details concerning the biggest annual DX meeting in Europe. The European DX Conference by the European DX Council will this year be held in Gothenburg, Sweden from Thursday the 27th of August until Sunday the 30th of August. The venue is the Radio Museum; the conference will be organized by The Swedish DX Federation and the Radio Museum volunteers.

The conference agenda includes: a visit to longwave station Radio Station Grimeton (on the UN List of preserved buildings); the usual talks and group sessions; a reception hosted by Teracom, and of course the traditional EDXC banquet.

The conference fee is 850 SEK (950 SEK after 15th of June) and it covers your registration, lunches, excursions, receptions and banquet. You have to arrange your accommodation by yourself. There is a good selection of hotels, youth hostels and camping facilities with cottages available. There is, however, a bigger fair in Gothenburg up to Friday the 28th of August, so you are advised to book early. The following URL contains more information about the meeting, hotels, traveling etc: [http://hem1.passagen.se/sm6kri/edxc/edxc\\_98.html](http://hem1.passagen.se/sm6kri/edxc/edxc_98.html). You can also write to EDXC'98, The Radio Museum, A Carlssons gata 2, SE-41755 Gothenburg, Sweden.

In Australia, DX'ers Calling members are being asked if they are in favor of discussions with the South Pacific Union of DX'ers which could possibly lead to a merger. The sharply falling membership numbers within

### 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 W1EXZ 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](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.

the DX fraternity is making clubs downunder consider alternatives to remain viable.

Former editor of the World Radio Television Handbook, **Andy Sennitt**, sends word that the WRTH's new editor is **David Bobbett**. The new editor can be reached at WRTH, P.O. Box 7373, Milton Keynes MK12 5ZL, United Kingdom (Fax: +44 1908 321030; E-mail: editor@wrth.demon.co.uk). A web site is on the drawing board.

The **NRC Annual Convention** will be held at the Best Western-Oak Hills in San Antonio, Texas on 4-7 September 1998. Among the events is a tour of WOAI from 2 to 4 p.m. on Friday afternoon and plan for a full day of activities on Saturday and Sunday. Sunday morning will be the annual radio station quiz and a live taping of the "Travelog" (a tour

Our Motto is - "Unity and Friendship"

## Calendar Of Events


- Jun 12 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.
- Jun 19 Meeting.** Philadelphia Area NASWA Chapter. Kulpville Holiday Inn, Kulpville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Jun 19 Meeting.** Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <<http://www.anarc.org/naswa/badx/>>.
- Jul 10 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Jul 10 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](mailto:mmeece@siscom.net)>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- 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: [wrmi@compuserve.com](mailto:wrmi@compuserve.com).
- Jul'98 Convention.** The 1998 World Television FM DX Association Convention will be held at Rock City in Southwestern New York State on July 31, August 1 & 2. Dave Nieman and Greg Coniglio will be host the gathering. Further details can be obtained via e-mail at [dxfmtv@buffnet.net](mailto:dxfmtv@buffnet.net) or write Dave Nieman at 12284 Nice Road, Akron, NY 14001-9408. Although the primary area of interest is TV and FM DXing, most of our members are also AM dxers and AM-related conversations are always part of the makeup of our conventions.
- Aug'98 Convention.** The 1998 IRCA Convention will be held in Missoula, Montana the weekend of August 14-15-16. Every BCB DXer, whether an IRCA member or not, is cordially invited to attend. Further information can be obtained from Larry Godwin, 2390 Clydes Dale Lane, Missoula, MT 59804, USA or e-mail at [lbg@selway.umt.edu](mailto:lbg@selway.umt.edu).
- 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. The conference agenda includes: a visit to longwave station Radio Station Grimeton; the usual talks and group sessions; a reception hosted by Teracom, and of course the traditional EDXC banquet. The conference fee is 850 SEK (950 SEK after 15th of June) and it covers your registration, lunches, excursions, receptions and banquet. You have to arrange your accommodation by yourself. The following URL contains more information about the meeting, hotels, traveling etc: <[http://hem1.passagen.se/sm6kri/edxc/edxc\\_98.html](http://hem1.passagen.se/sm6kri/edxc/edxc_98.html)>. You can also write to EDXC'98, The Radio Museum, A Carlssons gata 2, SE-41755 Gothenburg, Sweden.

(continued on next page)

across the country with our dial set to one a.m. frequency). In between the scheduled events, relax, meet and chat with others who share this wonderful hobby. Full details are now included in the Calendar of Events.

The fifth edition of the **Australasian Shortwave Guide** is now available. It is hard-copy, 28 pages, A4 format, commercially printed and features comprehensive schedules for the Z98 transmission period for broadcasts in English beamed to Australia, New Zealand, Oceania, the Far East, Asia, and the Indian sub-continent, and in languages other than English for Australia, New Zealand, and Oceania (nearly 600 entries) in alphabetical order of country, with target areas, broadcast days, and relay sites. New frequencies intro-

duced on 2 May are also included. Among the features is an article about DXing Papua New Guinea: an in-depth study of broadcasting in the region, and Shortwave Propagation Almanac which addresses the development of Solar Cycle 23 and how it may affect long-distance SW propagation. The new ASWG is available for A\$10, postpaid in Australia. Outside of Australia (economy airmail) A\$12 (or US\$7, or ten International Reply Coupons) from **Bob Padula**, 404 Mont Albert Road, Surrey Hills, Victoria 3127, Australia.

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

## Calendar of Events (continued)

**Aug 28 Forum.** BADX, The Boston chapter of NASWA, will host an SWL session at the **ARRL New England Division Convention** in Boxboro, MA on August 29, 1998. We are proud to announce that BADXer Gary Thorburn, KD1TE, will chair a panel of experts who will focus on "Expanding your HF Horizons: The World Between the Ham Bands".

**Sep '98 Convention.** The annual **National Radio Club Convention** will be held 4-7 September 1998 at the Best Western-Oak Hills; 7401 Wurzbach Road, San Antonio, TX 78229. 1-800-468-3507 (\$52 Singles; \$47 each for Double Rooms (two beds) and breakfast is included). Registration is \$40 and includes Saturday banquet and all the soda/beer and snacks during the weekend. Registration should include your name and the name of any guest. Send that along with \$40 each to: Mr. Dale Hamm, 11313 January Drive, Austin, TX 78753-2915.

**Oct '98 Convention.** **Radio Fest 98** will be hosted by the Ontario DX Association (ODXA, P. O. Box 161, Station A, Willowdale, Ontario M2N 5S8, Canada or e-mail at 70400.2660@compuserve.com) at the Mohawk College in Hamilton, Ontario on 2-4 October 1998. The registration fee is \$15.00 for the entire convention and \$5.00 for one-day.

**Mar '99 Contest.** **1999 North American DX Championships.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1999 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.

**Mar '99 Convention.** The **12th Annual Winter SWL Festival** will be held at the Kulpville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 12-14 March 1999. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.

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).

## 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](mailto:fkohl@ix.netcom.com).

## Musings

*This column provides a forum wheras 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](mailto:r.dangelo3@genie.com)*

**Eric Bueneman (N0UIH), 631 Coachway Lane, Hazelwood, MO 63042-1347, Phone: (314) 839-9751 (prepaid only), E-mail: [EricB631@juno.com](mailto:EricB631@juno.com), [N0UIHEric@aol.com](mailto:N0UIHEric@aol.com), World Wide Web: <http://members.aol.com/n0uiheric/k-index.html>**

You will notice two new things...one, the additional E-mail address, the other being the new Web site. The N0UIH Ham Radio and DXing Web Site has been up for about a month now, and is continually in development. The NASWA Web site is linked through a "Clubs" page on the site, along with the other clubs I belong to. Another page is for a "Traveler's Guide to St. Louis Radio", with a county-by-county listing of radio stations in the St. Louis metropolitan area. Another page has SWL/Ham Radio and Radio Program Web site links. Two programs are currently linked, "Amateur Radio Newslines", a nationally-distributed Amateur Radio news program, and "120 In The Pit", a local Christian Rock show. Another page is dedicated to links to local radio and TV station Web sites. The local stations currently linked to the site are: WGNU (920 kHz), KMOX (1120 kHz), KSD (93.7 MHz), KYKY (98.1 MHz), KEZK (102.5 MHz), KMJM (104.9 MHz) and KMOV-TV (Channel 4). Yet another page is full of SW station links. Two logbooks are on this site, the first covering a four-month period (9/1/97-12/31/97), the second covering three-month period (1/1/98-3/31/98), and most are SW logs. More links and pages will be added soon. I've added a little more schmaltz to the MFJ-1778 G5RV antenna with the purchase of an MFJ-956 antenna preselector/tuner. With the addition of this piece of equipment, I'm now able to hear signals in the 16, 19 and 22 meter SWBC bands after Midnight UTC. For instance, I'm now able to hear Radio Australia before 0800 UTC on 13605 and 15510 kHz, instead of waiting until 0800 and tuning to 9580 kHz. I'm also able to tune in Amateur Radio transmissions on the 10 meter band a lot better during the daytime, and fairly good on groundwave at night. In addition, I'm getting a much better signal from Amateur Radio bulletin station WA0RCR Wentzville, MO on 1860 kHz, even in the daytime. I've worked this down to 530 kHz with good signals.

73 and good DX, Eric (N0UIH)

### FRENDX: Twenty Five Years Ago....

Dan Jamison became the new editor of the Listener's Notebook column while Elliot Straus became the editor for the lower quarter of the Log Report. After almost six years as editor, Gregg Calkin's last QSL Report column appeared in June; Larry Yamron will be the new editor. In the Shortwave Center, editor Al Sizer carried Don Jensen's "On To The Top" series.

# Easy Listening

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

The big news this month is...

## VOA News Now

On May 29 at 0000 UTC, **The Voice of America (VOA)** introduced a redesigned English language format called "VOA News Now". In the main, the new format eschews long-form programs in favor of a faster paced, magazine-style two-hour rolling block of news and shorter features.

Many programs will no longer be heard. These include the regional news magazines Report to the Caribbean, Report to the Americas, Mideast Edition, Europe Edition and Dateline Bosnia. General news magazines like Newline, World Report, VOA Worldwide, VOA Sunday, VOA Today and VOA Saturday are also dropped from the schedule. Also gone are the specialty programs Business Report, Stateside and Studio 38 (American lifestyles), Critic's Choice (the arts), New Horizons (science), Agriculture Today, On the Line (politics) and American Agenda (US domestic issues). Music programs like American Gold, Now Music USA, Country Music USA, Concert Hall, Music USA Standards, Music USA Jazz and Border Crossings will no longer be heard on shortwave, though they are to resurface in some form on satellite. (Special English programs are to be retained in a separate service that broadcasts on separate frequencies. Details were unavailable at deadline.)

The few former "VOA Worldwide English" (the name of the previous format) service programs that survive the change are retimed and refitted to the new grid. (The transmitter and frequency schedule remains unchanged, however, so Mark Fine's VOA schedules in the May Journal are still valid.) In addition, "VOA English to Africa" service programs remain at their former times and frequencies.

Descriptions of **VOA News Now** sound reminiscent of the now defunct World Service of the Christian Science Monitor's "Monitoradio". Many were disappointed when that station left the air so, in that regard, News Now is neither radically new nor unwelcome. Nonetheless, the loss of so many well-produced and enjoyable programs is not a positive thing.

It is perhaps best to view changes like this as inevitable in light of the increasing level of insecurity being experienced by many international broadcasters. But one cannot help but think that many of the changes being implemented, both by the VOA and other broadcasters, result in less imaginative, mostly homogenized substitutes for what came before. In an era when stations and the medium need to find some way to distinguish themselves if they are to survive, uninspired decisions are hardly helpful.

That is not to say that **VOA News Now** necessarily belongs in this category. But, it is likely that the format will undergo further refinements as time goes on. And, if this change fails to produce the desired results (whatever the VOA defines this to be), we can expect more changes sometime in the (maybe not too distant) future. Such is the state of international broadcasting as we approach the 21st century.

## VOA English Schedule UTC Daily Every Hour

- :00 Preview
- :01 World News
- :06 World News in Depth
- :10 Regional News
- :14 U.S. News
- :18 Sports
- :22 U.S. Features

### **UTC Monday Through Friday**

#### *Even UTC Hours*

- :30 Preview
  - :31 World News in Depth
  - :45 Science/Medicine/Environment
  - :49 Business and Economic News
  - :53 Music Feature
- #### *Odd UTC Hours*
- :30 Preview
  - :31 World News
  - :36 Dateline
  - :45 Science/Medicine/Environment
  - :49 Business and Economic News
  - :53 Women's Business Minute
  - :54 Feature

### **UTC Saturday**

#### *Even UTC Hours*

- :30 World News
- :36 Press Conference USA

#### *Odd UTC Hours*

- :30 Preview
- :31 World News
- :36 Communications World\*
- :45 Science/Medicine/Environment
- :49 Business News
- :53 Feature

### **UTC Sunday**

#### *Even UTC Hours*

- :30 Preview
- :31 World News
- :36 Encounter
- :45 Science/Medicine/Environment
- :49 Business News
- :53 Features

#### *Odd UTC Hours*

- :30 Preview
- :31 World News
- :36 Issues in the News

\*In three segments aired Saturday around the clock. Segment A: 0136, 0536, 1136, 1736. Segment B: 0336, 1336, 1936. Segment C: 1536, 2136, 2336.

*Exceptions: Talk to America* M-F 1706. VOA English to Africa programs (see May's Programming Spotlight column) preempt News Now on VOA frequencies targeted to Africa. *Daybreak Africa* M-F 0300, 0430, 0600; *Africa World Tonight* M-F 1630, 1800,

2000; *The World of Music* M-F 1930; *Nightline Africa* T/S 1600, 2000; *Voices of Africa* T 1910, S 1710; *Music Time in Africa* S1730,1930.

### **Communications World**

As you can see from the schedule above, *Communications World* continues but has been chopped into segments that are re-broadcast (although not sequentially) around the clock every two hours on Saturdays. Segment A will contain media and international broadcasting news; segment B will have longer reports and interviews; segment C will include audience feedback and other reports.

Kim Elliott took an already excellent program (under Gene Reich) and made it even better. One sincerely hopes that he will be able to sustain that effort under the new regimen. With the program literally scattered throughout the day and with the segments scheduled in an not altogether sequential or even logical manner, a listener might understandably become frustrated and fall by the wayside. Let's hope not.

### **Radio Australia's Asia-Pacific Report**

Despite everything that the folks at **Radio Australia** have had to endure over the past year, they have come up with another winner of a program. If you want to know the latest about nuclear testing in South Asia, the upheaval in Indonesia, the state of the Asian economies or anything else significant going on in the Asia-Pacific region then you have to make a point to listen to *Asia-Pacific Report*.

*Asia Pacific Report* debuted on April 20 and represents a major new commitment from **Radio Australia** to better regional coverage, according to Network Manager Jean-Gabriel Manguy. The program combines the resources of two **Australian Broadcasting Corporation (ABC)** networks—**Radio Australia** and the domestic **Radio National**—and responds to increasing demand, both by national and international audiences, for authoritative information and serious analysis about developments in the region, following the economic crisis.

*Asia-Pacific Report* airs Sunday through Thursday at 2310 and Monday through Friday at 0005, 1005 and 1105. Best reception in eastern North America is at 1005 and 1105 on 9580 kHz. (Consult Mark Fine's transmission and frequency schedules in the May Journal for other frequencies.)

### Radio Australia Schedule Changes

The introduction of *Asia-Pacific Report* has resulted in some changes to the Radio Australia schedule that was printed in this column back in August. Refer to that column when you note these changes:

- 2330—*Australia All Over* and *Sports Factor* swap days while *Week's End* replaces *Australia Today* on Fridays.
- 0010—*Asia Pacific Report* (see above) replaces all programs Mon.–Fri.
- 0030—Programs formerly at 0130 Mon.–Fri. move to this slot.
- 0105—Sat. and Sun. programs swap spots.
- 0110—Programs formerly at 0010 Mon.–Fri. move to this slot replacing *Dateline*.
- 0210—*The World Today* formerly at 0310 Mon.–Fri. moves here.
- 0310—*Australia Talks Back* formerly at 0210 Mon.–Fri. moves here.
- 0330—*Rural Reporter* replaces *Science File* on Sat.
- 0410—*The World Today* replaces *Pacific Beat* Mon.–Fri.
- 0935—*Sport* moves here from 0930 Mon.–Fri.
- 0940—Programs formerly at 1010 Mon.–Fri. move here.
- 1005—*Asia-Pacific Report* (see above) replaces listed programs Mon.–Fri.
- 1105—*Asia-Pacific Report* (see above) moves here replacing *Dateline* Mon.–Fri.
- 1130—*Book Reading* (Sat.) and *Week's End* (Sun.) replace *Australia Today*.

### Radio Netherlands Documentaries

4th/5th and 11th/12th—*Philippines*—(in two parts) A look at this archipelago which celebrates its 100th anniversary of independence from Spain this year and an examina-

tion of manpower. The country is Asia's biggest exporter of labor—5 million Filipinos in 120 countries.

18th/19th and 25th/26th—*The High "C's"*—(in two parts) An investigation into diamonds—their trade, history and unique properties.

(Thu. 0053 and 0453; Fri. 2353)

### BBC World Service

Here's a capsule summary of some new BBC programs appearing this month:

[Listings are for the Americas/Europe stream. Frequencies for North America at 1000–1800 and 2100–0700 include 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11865, 15220 and 17840.]

#### World Cup and Wimbledon Coverage

Apart from coverage in regular sports programming like *Sportsworld* and *Sports Round-up*, between June 10 and July 13 the BBC will broadcast *World Cup Roundup*, a daily review of World Cup games and events. (Mon.–Fri. 0615)

*Weekdays between June 22 and July 5, Wimbledon Live* on the special frequency of 12095 kHz. will present three hours of match commentary, interviews with players, officials and personalities, the day's results and tennis chat (Mon.–Fri. 1530–1830). In addition, an extended half-hour edition of *Sports Round-up* will be broadcast weekdays (Mon.–Fri. 1230). All this in addition to regular BBC sports programming.

#### The National Health Service

A four-part program premiering June 22 and 26, *A Delicate Line*, attempts to get the true picture of the state of the British National Health Service by exploring it through the eyes of foreign nationals working within it. (Mon. 0130; repeated Fri. 0630)

#### John LeCarre's The Tailor of Panama

Beginning June 8 and 9, the author himself reads, in ten parts, an abridged version of his spy novel set in Central America. (Mon.–Fri. 0715; repeated Tue.–Sat. 0345)

## The World Lectures

World Service looks to the millennium with a series of five lectures beginning *June 20 and 22*. Opening speaker is Kenyan politician and environmentalist Professor Wangari Maathai who looks at poverty from the perspective of an environmentalist. Second week is Dr. A. Kamal Aboulmagd, Professor of Law at Cairo University, who will speak about the relations between Islam and the West. In the third week, Dr. Noriko Hama of London's Mitsubishi Research Institute will consider the economic crisis in Asia. The fourth lecture will be by Mexican novelist and diplomat Carlos Fuentes who will talk about the Mexican democratic transition. The series ends with Nighat Said Khan, Dean of the Institute of Women's Studies in Lahore, Pakistan whose lecture is titled, "Patriarchy, the Feminist Movement and the Need for a New Wave." (*Sat. 1030*; repeated *Mon. 0430, 2130*)

## And Some Other Programs...

Writer J.M. Barrie is the focus for two *Play(s) of the Week* this month. "The Man Who Wrote Peter Pan" examines a life of deep personal unhappiness buoyed by his humor and imagination (*June 20/21*). To complement the preceding week's play, the BBC will present (on *June 27/28*) one of Barrie's best loved works, "Mary Rose" (*Sat. 2230*; repeated *Sun. 0530*)....Premiering *June 21*, *Science On a Plate* is a six-part series that uncovers fascinating historical and scientific facts about food (*Sun. 0130*)....Beginning *June 21 and 22*, *Welcome to My World* is a new eight-part series launching young writing talent from among World Service listeners (*Sun. 1730*; repeated *Mon. 1430*)....Commencing *June 24*, *In Opposition* is a ten-part series exploring some of different forms of protest used in dictatorships and democracies to register dissatisfaction (*Wed. 1530*)....*Glastonbury Festival '98* is a *Multitrack Special* capturing the unique atmosphere of the biggest annual event in the UK's live rock and pop calendar (*June 28 at 1930*)....Starting *June 28*, a five-part series, *Daring to Differ*, considers how family, friends and other people react when someone steps out of the boundaries normally set by a religious community (*Sun 1400*).

## Return of Some Recurring Features...

*Heritage* returns for a six week run beginning *June 7 and 9* with visits this month to Maya excavations in Belize, 2000 years of Roman history and medieval Cairo, as well as an examination of the pillaging of archaeological sites (*Sun. 1701*; repeated *Tue. 0630, 1130*)....One of my favorites—*Just A Minute*—returns starting *June 22*, (but for only a four week run and at an unfortunate time) challenging players to speak about a designated subject for 60 seconds without hesitation, repetition or deviation. (*Mon. 1830* only on frequencies targeted to Europe: 9410/12095/15485/15575).

Some series that began in May continue into *June*. Consult *May's* EZL column for details.

## China Radio International Highlights

*Music from China* (every *Mon. UTC*) on *June 14* features the China Broadcasting Chorus....*A Chinese Folktale* (program airing every *Sun. UTC*) about how to become a really great carpenter airs on *June 21*....*June 22nd's Song of the Week* (every *Mon. UTC*) is a haunting, nostalgic folk song entitled "My Hometown"....On *June 24th's Voices from Other Lands* (every *Wed. UTC*) a Canadian woman talks about the enjoyment she gets from visiting her country's national parks....On *June 29*, Bob Ferguson of the USA asks about ancient Chinese adventurers in *Listeners' Letterbox* (every *Mon. UTC*).

CRI broadcasts to North America at 0300, 0400, 1400, 1500 and 1600. Consult Mark Fine's transmission and frequency schedules in *May's* Journal for frequencies.

## NASWA's WWW Shortwave Listening Guide

That's all there's room for this month. A reminder, for program information on the web point your browser to <<http://www.anarc.org/naswa/swlguide/>>. Until *July*, good listening!



## Austria Calls The World

By Bob Padula

Radio Austria International (ROI) broadcasts about Austria around the world by shortwave, satellite, and cable. The world radio service of Osterreichischer Rundfunk (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 Austrian federal government and is financed from public funds, with an editorial independence of ROI staff 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 the full hour and news magazines every two or three hours. In addition, there are weekly magazines, music and entertainment programs, as well as a special series for Austrian troops serving with the United Nations, for vacationers in the Mediterranean region, for shortwave specialist listeners and radio amateurs.

The foreign language services 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 program, production, technical and administrative staff. ROI output is produced in the ORF Centre in Vienna and distributed from there through six pro-

duction studios. From the ROI centre at Moosbrunn the output is broadcast via more than 10 shortwave frequencies through two 330/350 kW transmitters, two 100 kW transmitters and an antenna installation with a high gain turntable curtain antenna built in the mid-80's. ROI's motto is "around the world—around the clock" with a total program output of 80 hours every day around the globe.

Technical improvements and innovations are planned for ROI in program production and 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 regular listeners with better sound quality and to expand audiences in the face of strong competition ROI is leasing satellite technology to extend its 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 satellite as well as via the national US cable radio C-Span network. Various local broadcasting stations also rebroadcast the program and the Internet—PeakAudio System is used. In North America, a mixture of ROI output in various languages has been available since 1989 through a relay provided by Radio Canada International, which 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 program can be heard via the Astra

satellite system in digital sound in Astra Digital Radio (ADR). The use of digital techniques gives ROI the ability to provide the European public with programs in CD quality and to give regular listeners a new dimension into radio listening.

The annual budget made available by the Austrian Federal Government foresees spending of around 150 million Austrian schillings (US\$15 million). With this sum, ROI has to cover all its costs ranging from program 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.

Regular correspondence is received from listeners of around 20,000 letters and cards a year. This international audience shows that ROI is highly valued as an important and reliable source of information about events Austria and central Europe. The current ROI program leaflet with lists of frequencies is available free of charge to anyone who writes for one. ROI issues full-detail QSLs for correct reports received.

## The ORF Studios

These are located in the ORF Centre in Vienna. At present there are 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. Sound engineers broadcast programs to various destinations for 26 hours a day live or from pre-produced tapes. Their skills play an important part in program construction.

The studios have been in service for 18 years and are now being brought up to date. This includes the introduction of automisation, digitisation, 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 programs in stereo and CD quality.

## The Moosbrunn Transmitter Site

ROI's programs are broadcast all over the globe from the Shortwave Transmitting Centre at Moosbrunn. The centre is located about 25 km south of Vienna in the province of Lower Austria and uses two 300/500 kW transmitters and two 100 kW transmitters as well as various omni-directional and directional antennas for transmission to Europe and overseas.

The biggest antenna is the turntable curtain, which is built on a circular shaped foundation 85 metres in diameter and is 76 metres high. It can be turned in the precise direction required and by virtue of its design can be used for the entire range of shortwave broadcasting.

The program for Europe reaches listeners via the vertically polarised Reusen antenna as well as via the horizontally polarised quadrant antenna system. 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 program to listeners overseas.

The 300/500 kW transmitters make use of modern technology, are fully automatic and like the somewhat older 100 kW 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 kW of electricity per hour. The heat given off with the equipment is used in an environmentally friendly manner to heat 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 area at some future time.

## Relay Facilities

ROI was one of the pioneers in the use of reciprocal international relay arrangements, with rebroadcasts of its programs over Radio Canada International facilities in Sackville, New Brunswick which commenced in 1989. The frequency used then remains unchanged until the present—6015, for coverage into the Americas, and for the 1998 Z98 (Summer) broadcast season is on the air from 0500–0700z. In return, RCI programming is relayed over the Moosbrunn facility for cov-

## RADIO AUSTRIA INTERNATIONAL

erage into the Middle East, and the Z98 schedule is 0430–0500 on 11975 in Arabic, 0300–0330 in French and 0330–0430 in English on 11835. This RCI relay on 6015 gives very good signals throughout eastern Australia during our winter months, for the entire two hour span.

## Former Shortwave Facility

For a great many years, the Austrian Radio operated a single SW transmitter at Aldrans, at the bottom end of the 49 metre band on 6000 with 10 kW. This site is a suburb of Innsbruck, in the far west of Austria, and carried a Home Service transmission for Europe. The facility was dismantled in 1984 and relocated to the Moosbrunn site, where it continued to operate on 6000 for HS relays until its ultimate decommissioning in 1989.

## Broadcasts To Australia And Asia

For the Summer (Z98) season, ROI programming intended specifically for Australia and Asia may be heard:

To Asia: 0900–1200 on 15455. This block includes "Report from Austria" in English 0930–1000 Mondays to Saturdays, and 1030–1100 Sundays; German 0900–0930, 1000–1130z, and French 1130–1200.

To Australia and Asia: 0800–1100 on 17870. "Report from Austria" in English may be heard 0930–1000 Mondays to Saturdays, and 1030–1100 Sundays; at other times, programming is in German.

ROI is one of very few international broadcasters offering Esperanto programs, which may be heard on Sundays at 0405 and at 1405 on 6155 and 13730 for Europe, and at 2305 also on Sundays on 9870 for the Americas.

## Medium-Wave And Long-Wave

ROI also broadcasts to Europe on medium-wave (1476) to Europe, daily, from 2100–2130, and on long-wave on 261 kHz from 1800–1900 (daily) and 0800–0900 (Saturdays). The medium-wave transmitter is located at Bissamberg (near Vienna) with 60 kW. The long-wave service is via the 80 kW transmitter at Burg, in Germany.

## Internet

ROI news via the World Radio Network—Real Audio is available at <http://www.wrn.org/stations/orf.html>

Live Audio programming can be heard via [http://www.wrn.org/realaudio\\_howto.html](http://www.wrn.org/realaudio_howto.html)

ROI's Web Site is at: <http://www.orf.at/roi/>

ROI's postal address is: Radio Osterreich International (ROI) A-1136 Vienna, Austria.

## Acknowledgements

Thanks to ROI for making available material used in the compilation of this article.

# Bits and Pieces

by Hans Johnson

**Pictures!** We've received some great shack pictures from John W. Davis in Johnstown, Ohio. You can see on this page and the next his antenna, his shack, the R390A and CV-

reporting best reception ever of this one, so now is the time. Don't touch that dial, though, because at 2000, Radio Damascus uses 12085 for its English service. Reception of this one has also been good. Finally, retune your radio a bit to 11620. There you will find All

India Radio which has been putting out excellent signals between 0000 and 0200.

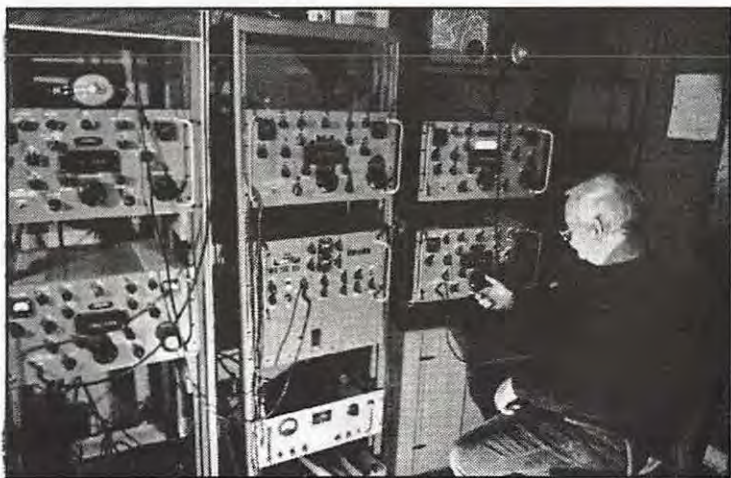
**Real Audio Site of the Month** Radio Singapore International can be heard in North America, but it is more akin to a DX catch rather than a program lis-

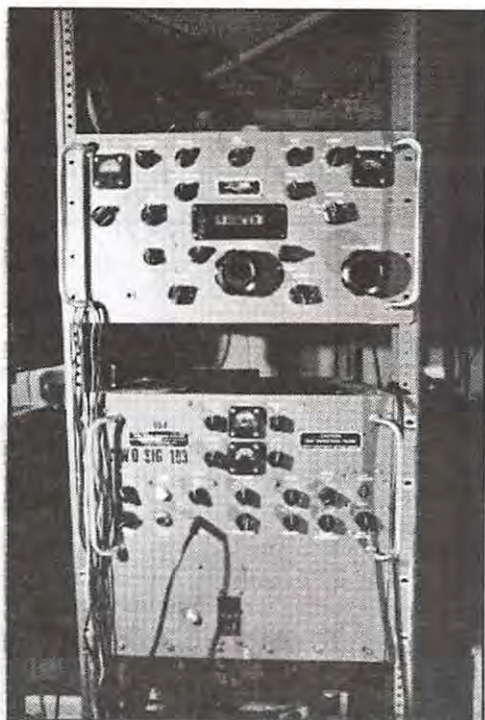
teners station. You can hear their English program quite easily on the web. The URL is:

<http://www.rsi.com.sg/current.htm>

157 combination that allows John to tune between two signals on the same sideband, and more of his 435-foot longwire, running NW/SE. Thanks, John!

**Let's get High** The sun is awake from its long slumber and the higher bands have really started to open up. 12085 is quite the hot frequency these days. At 1210 you can hear the Voice of Mongolia in English. Several listeners in North America are






**Cumbre DX Book Project** is an ongoing project sponsored by Cumbre DX. The aim of the project is to match up people who cannot afford a World Radio TV Handbook or a Passport to World Band Radio with a person who wishes to give away last year's edition. The project has been a great success with over 150 books given away. Try and imagine listening to shortwave without one of these books and you will realize how much we can help out our fellow listeners. Drop me a line if you are interested in donating book to the project.

**Fine Tuning Saga Chapter Two** Fine Tuning has left a number of folks frustrated and disappointed. Most of this stems from any lack of response to numerous queries to Fine Tuning. People have also sent in money for subscriptions that they have never received. While I do not speak for Fine Tuning, let me offer the following. If you are looking for a refund or a return of your uncashed check, then go to the person at Fine Tuning that you sent the money to. Other folks at Fine Tuning

are in no position to help you, any more than I could help you if you had a problem with your Journal subscription. As they say, follow the money.

There you will find short feature programs (about 20 minutes each) on the arts, technology, and science. Each program has a title as well as a short description of what is on that week's show. A link at the bottom will take you to the previous week's programs.



**West Fest?** A recent World of Radio item mentioned that there is talk of holding a Fest-type gathering out west later this year. A tentative site is Wichita, Kansas, with a date around Labor Day. Drop me a note if you are interested.



# Listener's Library

T. J. "Skip" Arey N2EI

P. O. Box 236

Beverly, NJ 08010

Internet: tjarey@mosquito.com

In our last installment of Listener's Library I mentioned that more books on the subject of emergency and survival communications seem to be coming out. Allow me to let you in on another book on this subject.

## *Guide To Emergency Survival Communications*

### *How to Build and Power Your System*

by Dave Ingram

182 Pages

ISBN 0-916661-05-9

Universal Electronics, Inc.

4555 Groves Road, Suite 12

Columbus, OH 43232

(614) 866-4605

Fax (614) 866-1201

This book represents itself as a comprehensive source of emergency equipment and communications systems and as such it comes up to spec. This book takes a wide view of all aspects of the radio hobby including short-wave radio, amateur radio, scanning, CB and the newer personal communications systems. The book emphasizes the idea that, in emergency and disaster situations, the ability to maintain communications, one or two way, is important. The book gives a good overview of radio systems including hardware, antennas and supportive equipment. Beyond this strong background information, the book goes on to discuss alternative power sources from simple batteries all the way up to self starting diesel generator systems. That may seem like overkill but you can keep the beverages cold in the fridge while your listening in to the world around you. The book goes well beyond the equipment alone, examining various monitoring and operating strategies pertinent to radio use during difficult times. The book includes a chapter on free-playing radios such as the Baygen unit and even includes a few simple design projects

for crystal sets. These do my heart good as a loyal member of the Xtal Set Society.

The book came with a very interesting feature A six page "update" of information. The author updates this supplement every three months in order to keep the material as current as possible. This seems quite useful in a hobby where frequencies and suppliers change more often than some folks change their socks.

All of this information and even strategies for increasing the storage life of gasoline. Like I said, this books covers the entire subject.

And speaking of more books on a particular subject, let me tell you about another book I've added to my library. Yes, this wasn't a comp, I actually bought this one.

## *The Joy Of QRP*

### *Strategy for Success*

By Adrian Weiss K8EEG-W0RSP

163 Pages

\$23.00 US

ISBN 0-9614139-0-5

Milliwatt Books

526 N. Dakota St.

Vermillion, SD 57069

As you know, I fool around a bit with QRP operations. Now you can hear from somebody who doesn't fool around. Ade Weiss takes his QRP very seriously. The Joy of QRP has been out of print for some years but I am happy to say that Mr. Weiss has pleased many QRP people by putting this excellent book back into print. I became involved in this aspect of the radio hobby after that initial print run ended and I was envious of folks who had the old book. Happily I now have my own. This single densely packed volume

of information can take you from mildly interested in QRP to rabid Millwatt status in short order. Through Ade's study of the subject you will learn the history and traditions of the QRP world, including information on the various clubs and organizations that support this radio hobby. You will also learn how to make QRP work through the study of propagation and operating techniques and strategies that stretch those diminutive signals to the far corners of the globe. Sections discuss building a station around commercial equipment and the joys of building homebrew QRP equipment. This includes the classic QRP design known as the Viking -5 Two Band Five Watt Transmitter including printed circuit board patterns. To keep things on the up and up for those millwatt awards, you will learn how to build and operate accurate power measuring equipment. Every time I pick up this book (which is quite often) I unplug the antenna from my QRO rig and plug into my box stock HW-8. If you plan to try your hand at QRP or if you just want to read up on this intriguing aspect of the radio hobby, you need to get *The Joy of QRP*. I'll be listening for you on the lower end of 40 meters.

After a series of ups and downs over the last ten years or so packet radio has finally begun to find its "voice" in the radio hobby. As usual, the best source of information on what's hot in digital communications is the ARRL.

*Packet: Speed, More Speed  
and Applications*  
2nd edition

compiled by Rich Roznoy K1OF  
\$15.00 US  
ISBN 0-87259-605-2

**The American Radio Relay League**  
225 Main Street  
Newington, CT 06111-1494

Now right off the bat I need to tell you that you shouldn't let the 2nd edition label on the cover throw you. This book contains a whole new compilation of packet radio articles, none of which appear in the 1st edition. The League has had great success with their compilations on various radio subjects and this book continues that tradition.

The book is divided into four large chapters covering articles on Operating, Theory and Design, Networking and finally Construction. Included in the various sections are articles that advance the subjects of APRS, 9600 baud operation and digital protocols. The subject of TCP/IP and internet gateway systems are also covered. APRS seems to be the real future of packet radio and this book shows techniques for utilizing APRS with GPS satellite systems. If you think packet is a slow poke mode you need to look at the article on the WA4DSY 56 Kilobaud RF modem. You may be able to do radio faster than hardwire in some cases. In the construction section you will find a whole series of TNC wiring diagrams that will help out if you pick up a radio you're not familiar with. There is also a design for a single chip modem that can be built out of a well stocked junk box. There is also a series of articles on the TAPR TAC-2 totally accurate clock project. Everybody in the radio hobby needs an accurate clock. If you want to see how far packet radio has come and even get a look at its future, add this book to your collection.



**Welcome to the following new NASWA members**

Vincente Aguilar Jr., Webster, TX  
Denny Camp, Schaumburg, IL  
Larry R. Flaitz, Rochester, NY  
William T. Funke, Naples, FL  
Timothy Kilkenny, Parma, OH  
Jeff A. Molander, Elk Grove, CA

Donald T. Rotunda, Washington, DC  
Robert W. Shoemaker Jr., Philadelphia, PA  
Rev. Frank Westhoff, Columbia, MO  
Simon D. Whiting, Dallas, TX  
Douglas Wirsz, Westbank, BC CANADA  
Robert E. Wright, Jacksonville Beach, FL

## The Sun And Short-Wave Reception (Part 1)

The ionosphere refracts short-wave signals back to earth. The sun strongly affects the ionosphere. But you probably knew that.

The sun has finally shown signs of increasing activity as the next 11 year solar activity cycle begins. Changes in short-wave propagation are becoming obvious. Solar flux numbers and maximum usable frequencies are rising. Daytime absorption levels cause weaker signals on daylight paths at lower frequencies. Higher frequencies remain useful long after the sun has set.

This month begins a multipart article to explain the art of predicting short-wave radio propagation.

Solar radiation and eruptions can disturb or enhance ionospheric refraction of short-wave signals. You have probably heard the solar and geomagnetic status reports and forecasts on WWV. You can hear them at 18 minutes past the hour and 45 minutes past the hour on WWVH. After reading this series, you should be able to understand and apply the information to improve your short-wave DXing hobby. You will also learn how scientists predict future short-wave radio propagation conditions.

The National Oceanic and Atmospheric Administration's Space Environment Services Center (SESC) of the US Department of Commerce gathers data used for the reports you hear on WWV and WWVH. The reports are sent to the transmitter site in message form. Here technicians record voice

announcements. The reports are automatically triggered to play at the appropriate time. The reports update every three-hours.

The SESC's network of observatories monitors the geomagnetic field and the space in between the earth and sun. Both terrestrial and satellite observatories gather the data.

The sun's electromagnetic spectrum consists of radiation spanning x-rays, ultraviolet, visible, infrared, and radio wavelengths. Sensors on earth and in space continuously observe each of these segments of the sun's total energy spectrum. The changing energy levels alert scientists when significant events occur. These solar emissions are all electromagnetic so they radiate at the speed of light outward from the sun. Radiation from events on the sun reaches the Earth's environment in slightly more than 8 minutes. Electromagnetic radiation (EM) travels faster than any other type of emanation. EM provides the earliest warning of solar eruptions and serves as a predictor of future short-wave disturbances.

Have you ever noticed that propagation conditions are often very good just before a major geomagnetic storm? This is no accident. The EM energy from the sun excites the atoms in the upper ionosphere causing higher levels of ionization. The upper layers become more efficient as they refract short-wave signals back to the earth. When other solar emanations, traveling much slower than the speed of light, finally reach earth the party ends.

In addition to ER, the sun constantly ejects matter such as atomic and subatomic particles. These moving particles form a gaseous solar wind. The solar wind consists of electrons, protons, and helium nuclei hurtling away from the sun out into the solar system. Normally these particles move away from the sun at about 250 miles per second. The particles travel across the space between the sun and earth in about 4 days. When eruptions hurl particles away from the sun at faster speeds, the time will be shorter, more like 3 days. So ER increases can give three days advance notice before moving particles can influence short-wave propagation.

Predictions more than three days ahead are based upon what happened the last time a particular part of the sun was facing toward the earth. Conditions tend to follow a 27 day cycle because the sun rotates on its axis once every 27 earth days. This rotation results in particles flying outward in an expanding spiral. Picture a rotary sprinkler head spewing water in a spiral string of tiny water molecules.

As the arms of the spiral reach out 93,000,000 miles, they sweep across the earth. Normally the geomagnetic field and the earth's atmosphere prevent the particles from reaching the earth's surface. At times some of these particles can interact with the upper layers of the magnetosphere. Particles become trapped and spiral along the magnetic field lines toward the earth's magnetic poles.

As the magnetic lines dip toward the earth's surface, the energetic particles traverse the ionosphere. The charged particles cause the Aurora Borealis. The aurora can disrupt short-wave transmissions passing through the polar regions. The effect is particularly noticeable on paths which pass through the auroral zones surrounding the magnetic poles. A listener in California, trying to hear European transmitters, will hear these kinds of disturbances.


The geomagnetic field causes the particles to deflect and flow around the earth. Think of this field as a deflector shield as used by the starships in the Star Trek TV show.

The magnetic shield is roughly spherical on the side toward the sun. Scientists call this region the magnetosphere. The solar wind tends to push the magnetosphere toward the earth on the sunlit side. On the side away from the sun, the magnetosphere forms a long tail reaching far into space. This is similar to how the solar wind causes a comet to exhibit a tail pointing away from the sun. Envision the particles moving around the earth's magnetosphere just as water would flow around a rock in a stream.

When solar disturbances occur, solar particles blast away from the sun at very high speeds. These high speed solar particles hit the earth's magnetosphere changing its intensity and direction.

Collisions with these particles will whip around the tail of the magnetosphere changing its direction. Do you remember how a boat sail flutters when a gust of wind momentarily disrupts the smooth flow of air? The magnetosphere tail acts similarly. Scientists use sensitive magnetic detectors to monitor these fluctuations. When the direction of the magnetic field changes, scientists know the collision is in progress. If you look carefully you can see really strong disturbances deflecting compass needles.

The magnetosphere interacts with the ionosphere in complex ways when these disturbances occur. Polar paths experience high flutter and absorption as previously noted. People often speak of signals having a "watery" sound as rapid signal fluctuations modulate the received signal. North/South paths are often actually enhanced especially at lower frequencies on dark paths. I often hear South American stations on the broadcast band here in Delaware. A 650 kHz station in Bogota, Columbia often wipes out much closer WSM in Nashville. Both stations are 50 kW but Nashville is more or less west of me. Bogota is almost due south. The disturbance enhances only the north/south path.

Next time we'll continue with part 2. Until then, stay tuned. 

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# Adrian Peterson's Diary

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

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## History of Broadcasting in the Indian Subcontinent

### Pt. II, Independent India

In Part I of this series (see the March, 1998 *Journal*), I presented the story of radio broadcasting in the Indian subcontinent up until the time of Indian independence at midnight on August 14, 1947. In this part, I take up the story of radio broadcasting in India following its independence from Great Britain. Then we look at radio broadcasting in Pakistan since independence.

At the time of partition 50 years ago, there were just 14 radio stations on the air in the whole of India. Nine of these were medium powered stations operated in the larger cities by All India Radio, and five were lower powered stations operated by the local governments in princely states in central and south India. These latter stations all joined the All India Radio network in 1950.

In addition to the 14 mediumwave transmitters at these stations, there were also six shortwave transmitters. They were on the air as VUB Bombay, VUC Calcutta, VUD Delhi, and VUM Madras. A small shortwave unit located at Baroda was already off the air by the time of partition.

Because of the new political circumstances after partition, India moved quickly to install a series of new radio stations, particularly in areas bordering on the new nation of Pakistan. Just a few months after partition, new mediumwave stations were installed in the Punjab at Jullunder and Amritsar, and in Kashmir at Jammu and Srinagar.

The new station at Jammu had a particularly interesting history. In 1947, just before

partition, a shortwave station of just 300 watts was established in Mysore by the fabled Maharajah. This is the station that introduced the usage of the now familiar identification announcement, "Akashvani." Soon afterwards, this station was upgraded with the installation of a new 5 kw mediumwave unit. The original 300 watt transmitter was then flown up to Jammu in the Himalaya mountains by a Dakota airplane, where it was installed for mediumwave coverage.

As a significant counter measure during this era, just six months after Indian independence the Portuguese authorities established a radio station in their colony at Goa. This station also operated on shortwave, and it was heard far afield in North America, Europe and the Pacific. When Goa was incorporated into India five years after independence, the radio station was absorbed into the nationwide network of All India Radio.

Throughout the years, All India Radio has increased the number of local radio stations throughout the country. Today there are more than 300 mediumwave and FM transmitters on the air throughout India, with programming in more than 150 languages.

On the shortwave scene, All India Radio has also increased its internal coverage of the entire country through the installation of regional shortwave transmitters. Currently there are such transmitters located in some 30 regional cities throughout the country. Most are rated at 50 kw, and under optimum conditions they can be heard in Europe, North America and the Pacific.

All India Radio introduced an interesting innovation into shortwave broadcasting by synchronizing four transmitters at four widely scattered locations, all on one channel. These 100 kw units are located in Delhi, Bombay, Madras and Calcutta, and can be heard carrying the Vividh Bharati program on 10330 kHz.

The international shortwave service of All India Radio began in 1939 with just two shortwave transmitters located on the edge of Delhi. Today, All India Radio operates more than 20 high powered shortwave transmitters at half a dozen different locations.

Many of the stations in the extensive network of All India Radio will confirm reception reports with a colorful postcard depicting cultural and tourist scenes throughout the country. Sometimes these stations will verify direct, and sometimes via the head office of All India Radio in New Delhi.

### **Pt. III, Independent Pakistan**

When Pakistan achieved its independence on August 14, 1947, there were just two radio stations in the whole of the territory now known as Pakistan (then called West Pakistan). These stations were located in Lahore, the capital city of the Punjab province; and in the city of Peshawar, in the North West Frontier province.

The station in Lahore, identified with the call sign VUL before partition, was redesignated as APL. At the time, APL was on the air with 5 kw on 1086 kHz. Before partition the station in Peshawar was identified as VUP. It was redesignated as APP. At the time it operated with just 250 watts on 1500 kHz. There were no other radio broadcasting stations in the whole of west Pakistan.


Over the years, Radio Pakistan developed its internal radio network to the point where today there are 24 mediumwave transmitters on the air, many quite high powered. Five are rated at 100 kw, two at 300 kw, and one at a

megawatt. This super high power transmitter is located near the national capital, Islamabad, and broadcasts the External Service of Radio Pakistan to neighboring countries on 585 kHz. In addition, there is a nationwide network of FM stations throughout Pakistan.

The first shortwave transmitter in Pakistan was activated in Karachi on the first anniversary of independence, August 14, 1948. It was a low powered unit of 250 watts which was on the air under the call sign APK. Shortly afterwards, two new transmitters of 50 kw each were installed at a new location in a nearby country area, and the original low power transmitter was removed to Lahore where it was reactivated on November 1, 1949 as APL2. It was soon replaced by a 1 kw unit and was on the air for a only a few years. QSLs for APL2 shortwave in Lahore are indeed very rare.

It is speculated that the shortwave transmitter that Radio Pakistan established at Murree, in the Himalayas, in 1954 was the same low power 300 watt unit that was on the air earlier in Karachi, and then Lahore. A further speculation is that it might also have been part of the background scene for Azad Kashmir Radio. As far as is known, there are no QSLs in existence for the Radio Pakistan Murree shortwave station.

Additional regional shortwave transmitters of 10 kw each have been established at Quetta, on the border with Afghanistan; at Peshawar, on the edge of the famed Khyber Pass; and at Rawalpindi, in the capital city area. Currently Karachi is on the air with four shortwave transmitters, two of 50 kw and two of 10 kw.

The main shortwave transmitter base of Radio Pakistan is a double facility located 15 miles along the famous highway known as the Main Trunk Road. This double facility contains eight transmitters, rated at 10, 100 and 250 kw. This is the station that is heard widely in the External Service of Radio Pakistan, and for which many QSL cards and letters have been issued. 

# Listener's Notebook

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**ALBANIA** v12080.32 / v12084.82 **R. Tirana** observed in French, playing local mx, and culture report. 16.00-16.27:13 signing off. (17-21-May/Bueschel/WWDXC TopNews/Bueschel-GER) R. Tirana noted on NF's 6090 Albanian 2300-2330 dominant over co-channel Nigeria and DW-Trincomalee, also 0330 at early fade-in via long-path (1330 local time here) (16-May/Padula-AUS/EDXP)

**Radio Tirana** announces this English schedule:

0045-0100 6115 7160  
 0130-0300 6220 7160  
 1545-1600 11735 12085  
 2130-2200 6025 7165

(8-Apr/Koie-DEN/BDCX/EDXP/Padula-AUS)

**ALGERIA** **Radio Algiers International**

1600-1700 English 15160 11715  
 1700-1800 Spanish 15160 11715  
 1900-2000 Spanish 15160 11715  
 2000-2100 English 11715 11750

11715=11715.49v 15160=15158.07v (BBCM + Bueschel-GER + Nigro-URU + Sellers-ONT)

**ARGENTINA** 6060 **Radio Nacional**, Buenos Aires is currently inactive due to transmitter failure, site General Pacheco. (13-May/Nigro-URU)

**AUSTRALIA** Current **Radio Australia** sked. Frequencies marked "x" carry "Grandstand," a separate sports service, at 0200-0800 on Saturday and 0300-0800 on Sunday.

0000-0100 English 17795 17750 15510 13755  
 13605 12080 9660

0000-0100 Vietnamese 15415  
 0100-0200 English 17795 17750 15510 15415  
 15240 13605 12080 9660

0200-0400 English 17795 17750x 15510x  
 15415 15240x 13605  
 12080x 9660x

0400-0500 English 17795 17750x 15510x  
 15415 15240x 13605  
 12080x 9660x

0500-0600 Cambodian 17750 15415  
 0500-0600 English 17795 15510x 15240x  
 13605 12080x 9660x

0600-0800 English 17750x 15510x 15415  
 15240x 13605 12080x  
 11880 9660x

0800-0830 English 17750 15510 15415 12080  
 11880 9710 9580 5995

0830-0900 English 17750 15510 15415 12080  
 9710 9580 6080 5995

0900-1000 English 17750 11880 9580 6080

0900-1200 Tok\_Pisin 12080 9710 6020 5995

1000-1100 English 17750 11880 9580 6080

1100-1200 English 9580 6080

1100-1230 Chinese 11880 9500

1200-1400 English 12080 9770 9580 6080

1230-1430 Vietnamese 11880-(to 1330) 11660-

(from 1330) 9500

1400-1500 English 11660-(from 1430) 9770

9500-(from 1430) 6080

6020 5995

1500-1700 English 11660 9770 9500 6080

6020 5995

1700-1800 English 11880 9770 9500 6080

6020 5995

1800-2000 English 11880 9770 9500 7240

6080 5995

2000-2100 Tok Pisin 7240 6080

2000-2100 English 12080 11880 9770 9500

5995

2100-2130 English 17795 12080 11880 9660

9500 5995

2130-0000 Indonesian 11695 15415

2130-2200 English 17795 13755 12080 9660

9500

2200-2300 English 17795 15510 13755

2300-0000 English 17795 15510 13755 12080

9660

(BBCM + Holmes-RA/EDXP/WWDXC TopNews/

Bueschel-GER)

**AUSTRIA** **Radio Austria International** Z98:

0000-0030 German 13730 9870 9655

0030-0100 English 9655

0030-0100 Spanish 13730 9870

0100-0230 German 13730 9870 9655

0230-0300 English 13730 9870 9655

0300-0330 German 13730 9870

0330-0400 Spanish 13730 9870

0400-0405 German 13730 6155 Su

0400-0430 German 13730 6155 Mo-Sa

0405-0430 Esperanto 13730 6155 Su

0430-0500 English 13730 6155

0500-0530	German	17870 15410 13730 6155 6015C
0530-0600	English	6015C
0530-0600	German	17870 15410 13730 6155
0600-0610	German	17870 15410 Su
0600-0630	German	17870-(not Su) 15410-(not Su) 13730 6155 6015C
0610-0630	Arabic	17870 15410 Su
0630-0700	French	17870 15410 13730 6155 6015C
0700-0730	German	17870 15410 13730 6155
0730-0800	English	17870 15410 13730 6155
0800-0900	German	17870 13730 6155
0900-0930	German	17870 15455 13730 6155
0930-1000	English	17870 15455
0930-1000	German	13730 6155
1000-1100	German	17870 15455 13730 6155
1100-1130	German	15455 13730 6155
1130-1200	French	15455 13730 6155
1200-1230	German	13730 6155
1230-1300	English	13730 6155
1300-1330	German	13730 6155
1330-1400	Spanish	13730 6155
1400-1405	German	13730 6155 Su
1400-1430	German	13730 6155 Mo-Sa
1405-1430	Esperanto	13730 6155 Su
1430-1500	German	13730 6155
1500-1630	German	13730 13710 11855 6155
1630-1700	English	13730 13710 11855 6155
1700-1730	German	13730 13710 11855 6155
1730-1800	French	13730 13710 11855 6155
1800-1810	German	13730 11855 Su
1800-1830	German	6155 5945
1810-1830	Arabic	13730 11855 Su
1830-1900	German	13730 11855 6155 5945
1900-2030	German	13730 6155 5945
2030-2100	Spanish	13730 6155 5945
2100-2130	German	13730 6155 5945
2130-2200	English	13730 6155 5945
2200-2230	German	13730 6155 5945
2230-2300	French	13730 6155 5945
2300-2305	German	9870 Su
2300-2330	German	9870 Mo-Sa
2305-2330	Esperanto	9870 Su
2330-0000	Spanish	9870

C=via Sackville, New Brunswick G=via RadioRopa, Germany (BBCM)

**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. This schedule is based on information supplied by the broadcaster.

0400-0430	Belarusian	11960 7210
0400-0430	English	11960 7210 Sa
0430-0500	Russian	11960 7210 Tu
0430-0500	German	11960 7210 Su/Th
0430-0500	English	11960 7210 We/Fr
0430-0500	Belarusian	11960 7210 Mo/Sa

0500-0530	Belarusian	11960 7210
0530-0600	German	11960 7210 Su
0530-0600	Belarusian	11960 7210 Mo-Sa
1900-1930	Belarusian	11960 7210
1930-2000	Belarusian	11960 7210 Mo
1930-2000	English	11960 7210 Tu
1930-2000	Russian	11960 7210 Th/Fr
1930-2000	German	11960 7210 We/Sa/Su
2000-2030	Russian	11960 7210 Mo-We
2000-2030	German*	11960 7210 Th/Fr
2000-2030	Belarusian	11960 7210 Sa/Su
2030-2100	Belarusian	11960 7210 Mo
2030-2100	English	11960 7210 Tu/Th
2030-2100	German**	11960 7210 We/Fr/Sa/Su

\* "Das Wort" \*\* "Das Wort" Fridays only (BBCM)

**BELGIUM** *RVI* adds shortwave for 1900-2000 Euro block, via Juelich 3995 kHz. French 1900-1930, German 1930-2000, both Sa/Su only. This shortwave relay ends 15-August. (25-Apr/RVI Golfgids/Schotmans-BEL/WWDXC TopNews/Bueschel-GER) change the EUR freq via DTK Juelich ex-11965 to new 12080 1600-1630. The DTK Juelich 7410 changes to 7415 at 1700-1730. (17-May/RVI/DX Antwerp/Schotmans/RVI Radio World/WWDXC TopNews/Bueschel-GER)

**BOLIVIA** 4552.3 R. *Radiodifusora Tropico*, Trinidad, 0010-0030 nx ID "*Son las 8.20 en su radio difusora Tropico...*" program sobre los indigenas del Beni. (21-May/Arrunategui-PRU/Chasqui DX)

4926.0 *Radio San Miguel*, Riberalta, 0125-0205, Weak + noisy with M and W taking turns reading (possibly) news items wishing listeners "*Buenas Dias*" at 0200-midnight- and station name was mentioned. (13-May/Pijpers/DSWCI DX Window/van den Boogert-HOL)

4964.98 *Radio Juan XXIII*, San Ignacio de Velasco, 1008-1042 poor signal w/morning folklore show *Buenos Dias Bolivia*. (4-May/TIN-JPN/Relampago DX)

5927.19 *Radiodifusoras Minería*, Oruro, 1002-1105 poor, morning music program in Quechua/Aymara *Musoj Caysoyta Maskaripa*. Canned ID "*Sintonizan a Radiodifusoras Minería en onda media CP212 1290kHz, en onda corta CP213 5925kHz y en frecuencia modulada estereo 107.7MHz. Radiodifusoras Minería, La Voz de las Mayorías Nacionales desde Oruro para Bolivia y el mundo.*" (5-May/TIN-JPN/Relampago DX)

5952.33 *Emisoras Pio XII*, Siglo XX, 1100 fair w/relay of national newscast *Encuentro Nacional*. Also heard at\*1100-1106 w/fair signal on 10/MAY/98. program *Amanecer Minero* playing the Northern Potosi folklore between message in Quechua for "*hermano minero.*" (4-May/TIN-JPN/Relampago DX)

6085.3 *San Gabriel Radio*, La Paz, 30/04 0910-0935 mx f ID "Por San Gabriel Radio..." program en dialecto y muy poco español. (30-Apr/Arrunategui-PRU/Chasqui DX)

6105.47 **Radio Panamericana**, La Paz, 1108 poor, CP folklore. (10-May/TIN-JPN/Relampago DX)

6135.0 **R. San Cruz**, Santa Cruz, 0940-1010 ID "Este jueves a las 7 de la noche, escuche por Radio Santa Cruz..." mx Slogan: "Cuando los rayos del sol no han salido, Radio Santa Cruz, le alegra sus buenos dias..." program sobre el primero de Mayo. (30-Apr/Arrunategui-PRU/Chasqui DX)

6155.03 **Radio Fides**, La Paz, 1052-1058 weak, Cultural programming for Aymaran community. At 1058 some advs, then into newscast *La Hora del Pais*. (4-May/TIN-JPN/Relampago DX)

**BRAZIL** Latest *Radiobras* schedule:

0115-0215	PP	11780
0415-0515	PP	11765
0700-0800	PP	9745
1000-1120	SS	9745
1200-1320	EE	15445
1330-1450	SS	15445
1630-1750	PP	15265
1800-1920	EE	15265
1800-1920	PP	17750 Mo-Sa
1920-2400	PP	17750 Su
1930-2050	GG	15265

(4-Apr/Comite Brasileiro de Radioescuta/Bueschel-GER/WWDXC DX Magazine/Bueschel)

11895 **Sistema LBV Mundial**, LBV meaning Legiao da Boa Vontade, League of Goodwill, weak with sports until 2200 when blocked by 3 international broadcasters. I have been unable to confirm the QTH, which per Omiya's report is Porto Alegre. (19-Apr/Klemetz-COL/Dateline Bogota) **BULGARIA** R. Bulgaria noted on new 6140, \*0400, Balkans service, Greek (27-May/Padula-AUS/EDXP)

**CANADA** (non) **R. Asia Canada** was testing 10-15 May via Merlin-UK. Noted:

On 9815 from 2200-0000 (11-May/Padula-AUS + Novello-NC)

On 11925 from 0020-0200 (12-May/Sellers-ONT)

On 11845 and 9815 until 2400\* (12-May/Haus-er-OK)

Heard thereafter per this observed sked:

9700	0200-0300	(16-May/Padula-AUS)
9560	0000-0200	(19-May/Padula-AUS)
9865	0000-0200	(15-May/Padula-AUS)
11925	0000-0200	(15-May/Padula-AUS)
15560	@2150	(18-May/Novello-NC)

Merlin-UK denies any transmissions after 15 May. Possibly Jülich-DTK is new site? (Bueschel-GER)

**Radio Canada International** thru October 25:

0000-0059	French	5960 %9535 9755 %11895 %13670
0000-0059	Spanish	9535 11895 13670 Su/Mo
0030-0059	Spanish	9535 11895 13670 Tu-Sa
0100-0159	English	5960 &9535 9755 &11715 13670
0130-0159	Spanish	9535 11715 13670 Tu-Sa

0200-0229	English	9535 9755 11715 13670 Tu-Sa
0230-0259	French	9535 9755 11715 13670 Tu-Sa
0200-0259	English	9535 9755 11715 13670 Su/Mo
0300-0329	French	9760T 11835V
0330-0359	Arabic	9715S 11835V 11905W
0400-0429	English	9715T 11835W 11975V
0430-0459	Arabic	9715W 11835W 11975V 15215W
0500-0529	English	7295T 9595T 11835T 15430T Mo-Fr
0530-0559	French	7295T 9595T 11835T 15430T Mo-Fr
1200-1259	English	9640 11855 13650
1200-1259	French	9650 15305
1200-1229	English	9660Y 15195Y
1230-1259	French	9660Y 15195Y
1300-1559	English	11855 13650 Su
1300-1559	French	15305 Su
1300-1325	Chinese	6150K 9660Y 11955Y
1300-1359	English	9640 11855 13650 Mo-Fr
1330-1359	English	9535X 11795X 11935T 15325S #17820
1400-1459	French	11935T #15305 15325S #17820 #17895
1430-1455	Chinese	6150Y 7285K 9680Y
1500-1559	Russian	6150Y 7285K 11935T 15325T #17820
1600-1659	Ukrainian	9555T 11935T 15325 17820
1630-1657	English	6140X 7150X
1700-1759	Russian	9555T 11735T 15325 17820
1800-1859	Ukrainian	7235T 11735T 13670 15325 17820
1900-1959	French	5995T 7235T 11700 13650 13670 15150 15325 17820 17870
2000-2059	English	5995T 7235T 11690 13650 13670 15150 15325 17820 17870
2100-2129	English	7235T 11690 11890T 13650 13670 15150 15325 17820
2130-2159	French	7235T 9755 11690 11890 13650 13670 13740 15305 17820
2200-2229	English	5960 9755 11705Y 13670 15305
2230-2259	French	11705Y 15305
2230-2259	English	5960 9755 13670 Sa/Su
2230-2359	English	5960 9755 13670 Mo-Fr
2300-2329	English	11895 15305 Mo-Fr
2300-2359	English	5960 9755 11895 13670 15305 Sa/Su
2330-2359	Spanish	11895 15305 Mo-Fr

%: first half-hour (Tu-Sa UTC) &: first half-hour (Tu-Sa UTC) and full hour (Su/Mo UTC)#: Mo-Sa only K: via Kimjae, Korea S: via Sines, Portugal T: via Skelton, England V: via Vienna, Austria W: via Wertachtal, Germany X: via Xian, China Y: via Yamata, Japan (RCI website)

**CHILE** *Voz Christiana* sked is or will soon be:

0000-0100 9630 21550 +\*11"  
0100-0500 9630 11690 + "11"  
0500-0600 11690  
0800-1100 11890  
1100-1300 15375 21500  
1300-1400 15375 21500 21550  
1400-2100 17680 21500 21550  
2100-2400 9630 21550 +\*11"  
2100-2400 "11"

"11"="freq in the 11 MHz range"

Another service to Southern South America may follow later:

0900-1200 6070  
1200-2000 9635  
2000-0400 6070

Representative of *Christian Voice* in England in an interview to HCJB DX Party Line on May 2nd:

New La Voz de Christiana SW stn is located some 25 kms south west of Santiago de Chile, 40 kms from Andean mountains. Previous lifetime of the eight ex-Radio Nacional de Chile HARRIS transmitters used in the 70ies for their ext sce varying between 17.000 and only 2000 transmitting hours in total. Station consist five 73 meters high dipol curtain antenna towers, and four 50 meters high log-periodic type antenna towers. Additional home made antenna for 49 and 31 mb. Commercial power is expensive during local evening peak hours, is restricting their evening transmissions during the tests, so using alternative diesel generator as power supply. Is cheaper to run the stn by using diesel generator, than buying commercial power during local electricity peak hours. Diesel equipment will be also used for future backup power. (2-May/HCJB DX Party Line/WWDXC TopNews/Bueschel-GER)

**CHINA** *China Radio International's* English schedule from May 4th:

0300-0400 9690(REE)  
0400-0500 9560(RCI) 9730(TDF GUF)  
0900-1100 9785 9890\* 11755  
1200-1300 6950 7385 9715 9945\* 11660 11675\* 11980\*  
1300-1400 7385 7405 9945\* 11660 11675 11980\* 15180  
1400-1500 7260\* 7405 9535 9700\* 11825  
1500-1600 7160 9785  
1600-1700 9565 9620  
1700-1800 7405 9570 9745\* 11910  
1900-2000 9440 9600\* 11515 11840\*  
2000-2100 6590 7160 7170(MLI) 9440 9920 11840\*  
2100-2130 3985(SUI) 6590 7170(MLI) 7180 9535 9920  
2130-2200 6590 9920  
2200-2300 9880(RUS)

\* test freqs, most likely via Kunming-Yunnan and Urumqi-Xinjiang (6-May/CRI printed schedule/WWDXC TopNews/Bueschel-GER)

**CHINA-TAIWAN** 7107.58v *CBS Minhsiung* (t), 1810-1825, lovely sweet CC mx and talks in between. Station tries to avoid CHN jamming on 7105. Beware of CRI Beijing [ext. sce] in Chinese on nearby 7110 at same time. (11-May/Bueschel/WWDXC TopNews/Bueschel-GER)

9610.05 *BCC Taiwan*: CC; 0958 W ends breezy tik pgm, mx up, 1000 1 beep, theme mx, M ID ending w/ "(Kinjoy??) kuangpo hsinwen wang," into nx. Fair-good, some flutter. (27-May/Quaglieri-NY)

**CLANDESTINE-AFRICA** *Radio Free Somalia* uses 7100, 1000-1200 daily, in Somali, from a site at Galkays, NoEA Somalia. NoEA Somalia was to be renamed as "Republic of Puhtiland" on Apr 15 1998 by the local people. Uses 800 Watts, with a 5 Watt relay stn set up 700 kms to the north at Bossusso, on 9420 or 9425, 1000-1200. QSLs available for five IRCs, from Sam Voron, 2 Griffith Avenue, Roseville, NSW, Australia 2069. Tel: +61 2 9417 1066. (1-May/Ogrizek-AUS/EDXP/WWDXC TopNews/Bueschel-GER)

**CLANDESTINE-ASIA** *Democratic Voice of Burma* (Burmese: "Democratic Myanmar a-Tham") is hostile to the current Burmese government (the "State Law and Order Restoration Council," SLORC).

1245-1345 Burmese\* 15330-Germany 13820-

Tajikistan

1430-1455 Burmese\* 11850-Norway

\*plus Shan, Karen and Kayan [no, they are NOT three of the Mouseketeers-AQ] (BBCM + Goonetillele-SRI/WWDXC TopNews/Bueschel-GER)

*Voice of the National United Army* (Cambodian: *saihani vitthuy samlend kangtoap samakki cheat*) supports the Khmer Rouge.

1100-1200 Cambodian 5407v

2330-0030 Cambodian 5407v

(BBCM) Clandestine Khmer Rouge radio, for years the Cambodian guerrillas' propaganda mouthpiece, did not come on the air and broadcast at its regular time Wednesday. The reason for the failed broadcast was not immediately clear but government troops are attacking the last remnants of the once-feared guerrilla army on northern Cambodia's border with Thailand. The radio, believed to broadcast from a mobile transmitter near the Thai border, has gone off the air in the past for brief periods, apparently due to technical problems. (13-May/Infobeat/sf-net.harrastus.dx-kuuntelu newsgroup)

*Voice of Tibet* was set up by the Oslo-based Worldwid International Foundation in collaboration with the Norwegian Tibet Committee and other human rights groups. Voice of Tibet programs are produced in Oslo and Dharamasala (India) and were originally transmitted via FEBA Radio facilities in the Seychelles; however more recently it has broadcast via hired transmitter facilities in Central Asia.

0000-0030 Tibetan 9380

1225-1300 Tibetan 15605

(BBCM)

V. of Tibet noted on 9300 at \*0000 (23-Apr/Hill-MA/WWDXC TopNews/Bueschel-GER)

**CLANDESTINE—MIDEAST** *Democratic Voice of Iran* (Persian: *Seda-ye Azadi-khahan-e Iran*, literal translation "Voice of Iran's Freedom-Seekers") is believed to broadcast via a hired transmitter in Central Asia.

0310-0340 Persian 6220  
1730-1800 Persian 6220 5835  
(BBCM + Goonetilleke-SRI/WWDXC TopNews/Bueschel-GER)

*Radio Kurdistan*, voice of the Kurdistan Socialist Democratic Party (Arabia: *huna ida'at kurdistan, sawt al-hizb al-ishiraki al-dimuqrati al-kurdistan*; Kurdish: *Aira ezgay kurdistana, dangi hizbi socialisti demokrati kudistan*).

1500-1700 Kurdish/AA 4135v

(BBCM)

*Voice of Rebellious Iraq* (Arabic: *Sawt al-Iraq al-tha'ir*) supports an Iranian-sponsored Shi'i group, the Supreme Council of the Islamic Revolution in Iraq (SCIRI), and is hostile to the current Iraqi government. Station is believed to transmit from Iran.

1200-1450 Arabic 6020v

(BBCM)

*Voice of Southern Azerbaijan* (Azeri: *Bura Jan-ubi Azerbaijan Sasi*) is operated by the National and Independent Front of Southern Azerbaijan.

0515-0615 Azeri 13645  
1530-1630 Azeri 13645

(BBCM + 9-May/Bueschel/WWDXC TopNews/Bueschel-GER)

9610 *Voice of the Islamic Revolution of Iraq* // 7295, 0430, ID in AA, talks, mx. (17-May/Henderson-TUR/NU/WWDXC TopNews/Bueschel-GER)

*Voice of the Worker* (Persian: *Seda-ye Kargar, Radio-e Sazman-e Kargaran-e Inqilab-e Iran*) is a left-wing radio station which broadcasts in opposition to the Iranian government and in support of the Iranian Revolutionary Workers Organization.

1430-1515 Persian 4200v  
1630-1715 Persian 4200v

(BBCM)

**CLANDESTINE—RADIO FREE ASIA** *Radio Free Asia*, new Cantonese 1400-1457 11500. (19-May/Lieberwirth-GER/WWDXC TopNews/Bueschel-GER)

**COSTA RICA** 6071.26 presumed R. *88 Estereo*, was already on the air by 1004 May 9; also hrd signing on at approx. 1008 on May 11, and at 1010 on May 12, so s/on seems to be getting later, whether intentionally or not, I don't know. Signal was already on its way out by 1020 this morning, but without any QRM from CFRX. (12-May/Berg-MA/NU/WWDXC TopNews/Bueschel-GER)

Thanks to WoR—GH—*Radio for Peace Internat* moved to 21460, to avoid R. HCJB now on 21470 to EUR (x15365). RfPI noted at 1715 on v21459.84, but suffering from the other side too, HCJB's ssb channel of 21455. (8-May/Bueschel/WWDXC TopNews/Bueschel-GER)

### CROATIA *Croatian Radio*

0000-0400	Croatian	9925-j
0400-0500	Croatian	5945
0500-0800	Croatian	9830 5945
0800-1200	Croatian	9830 7185
1200-1600	Croatian	9830 7125
1600-1700	Croatian	13830 7125 5900
1700-1800	Croatian	7125 5900
1800-1900	Croatian	5900
0500-0900	Croatian	13830-j
2000-2100	Croatian	9860-j
2300-0000	Croatian	9925-j

English news on the hour from 2300-0900 j-via Jülich, Germany (BBCM) The BBCM Schedule for Croatian Radio does not include two small nx progs in Spanish: 2300-2305 & 0000-0005 9925 via transmitters at DTK Juelich, Germany. This program is within the Croatian program to Americas with nx in English on the hour. No info about SS program is inside the official Web site. (10-May/Sedano-ESP/DXW/WWDXC TopNews/Bueschel-GER)

### CUBA *Radio Havana Cuba* summer sked:

0000-0030	Creole	9550
0000-0100	Spanish	5965 6000 9505 9820 11760 11875 15230
0030-0100	French	9550
0100-0130	Creole	9550
0100-0200	Spanish	5965 9505 11760 11875 15230
0100-0500	English	6000 9820 13605
0130-0200	French	9550
0200-0500	Spanish	5965 9505 9550 11760 11875 15230
0500-0700	English	9550 9820 9830
0700-0730	Esperanto	9820 weekends
1100-1200	Spanish	6000 11705 11760
1200-1300	Spanish	6000 9550 11705 11760 15340
1300-1400	Spanish	6000 9550 11760 15340
1400-1500	Spanish	11760
1500-1530	Esperanto	11760 weekends
1930-2000	Esperanto	13715 weekends
2000-2030	French	13715 13750U
2000-2100	Portuguese	11760 13680
2030-2130	English	13715 13750U
2100-2300	Spanish	11760 13660 13680
2130-2200	French	13715 13750U
2130-2230	Creole	9550
2200-2230	Portuguese	15340
2230-2300	Guarani	15340
2230-2300	French	9550
2230-2330	English	9550
2300-2330	Portuguese	15230 15340
2330-2400	Portuguese	15230

2330-2400 Esperanto 11760 weekends  
 2330-2400 French 9550  
 2330-2400 Guarani 15340  
 2330-2400 Quechua 15340  
 (Bueschel/DSWCI DX Window/van den Boogert-HOL  
 + BDXC + Coro + Hauser)

**CYPRUS** A note from *Bayrak Radio*: "We were supposed to have a new SW transmitter by the end of last year but unfortunately the supplier firm could not fulfill his obligations, we are still experiencing trouble with the case, therefore we can not predict anything for the moment. We are trying to get the Bayrak International broadcast on the Internet nowadays, and hope that you will be able to listen by next week. Our address is: <http://www.emu.edu.tr/~birt> (12-May/Vaughan/British DX Club/WDXC TopNews/Bueschel-GER)

**CZECH REPUBLIC Radio Prague Z98:**

0000-0027 English 7345 5930  
 0030-0057 Spanish 7345 5930  
 0100-0127 English 7345 6200  
 0130-0157 Czech 7345 6200  
 0200-0227 Spanish 7345 6200  
 0230-0257 Czech 9435 7345  
 0230-0257 English 11600 9480  
 0300-0330 English 9435 7345  
 0600-0627 French 9505 7345  
 0630-0657 German 7345 5930  
 0700-0727 English 9505 7345  
 0730-0757 Spanish 11600 9505  
 0800-0827 French 11600 9505  
 0830-0857 Czech 21745 11600  
 0900-0930 English 21745 17485  
 0930-0957 Czech 21745 17485  
 1000-1027 German 7345 6055  
 1030-1057 English 11640 7345  
 1200-1229 German 7345 6055  
 1230-1257 Czech 7345 6055  
 1300-1330 English 21745 13580  
 1330-1357 Czech 21745 13580  
 1400-1430 Spanish 13580 11600  
 1430-1457 French 13580 11600  
 1500-1527 German 5930  
 1530-1557 Czech 17485 5930  
 1600-1627 English 17485 5930  
 1630-1657 French 17485 5930  
 1700-1727 English 17485 5930  
 1730-1757 Czech 17485 5930  
 1800-1827 Spanish 11640 5930  
 1830-1857 French 11640 5930  
 1900-1927 Spanish 11640 5930  
 1930-1957 Czech 11600 5930  
 2000-2027 English 11600 5930  
 2030-2057 Spanish 11600 5930  
 2100-2127 Czech 11600  
 2130-2157 English 11600  
 2200-2257 French 11600 9435  
 2230-2257 English 11600 9435  
 2300-2327 Spanish 11600 9485  
 2330-2357 Czech 9485 7345

(BBCM)

**ECUADOR HCJB The Voice of the Andes Z98:**

0000-0400 English 21455U 12015 9745  
 0000-0504 Spanish 15140 6050  
 0030-0100 French 9410  
 0200-0430 Russian 9780  
 0400-0700 English 21455U 12015 9745  
 0430-0500 German 11960 9775  
 0430-0500 Japanese 9765  
 0500-0515 Ukrainian 15525 11960  
 0500-0515 Kikongo 9765 Mo-Fr  
 0515-0700 Russian 15525 11960  
 0530-0600 Slovak 9765 Mo/Fr  
 0530-0600 Czech 9765  
 0600-0630 German 9765  
 0630-0700 French 9765  
 0700-0730 Spanish 9765  
 0700-0900 English 21455U 11960 9640  
 0800-0930 Portuguese 9745  
 0830-1000 Quechua 6110 6080 3220  
 0900-1030 Spanish 9765  
 0900-1100 English 21455U 9640  
 0930-1000 German 6125  
 1000-1400 Quechua 6080 3220  
 1030-1100 Spanish 9765 6050  
 1100-1300 Spanish 15140 11690 6050  
 1100-1600 English 21455U 15115 12005  
 1130-1200 Japanese 11925  
 1300-1500 Spanish 15295 15140 6050  
 1500-1600 Spanish 15140 6050  
 1530-1800 Portuguese 15295  
 1600-1700 RR/Uz/Tajik 15360U  
 1600-1900 Spanish 21455U 15140 6050  
 1700-1800 RR/Ukr/Georgian 15360U  
 1830-1900 Slovak 21470 17790 Mo/Fr  
 1830-1900 Czech 21470 17790 Tu/We/Th/Sa/Su  
 1900-1930 French 17790 15365  
 1900-2130 Spanish 15140 6050  
 1900-2200 English 21455U 17735  
 1930-2000 German 17795 21470  
 2000-2030 French 17795 21470  
 2030-2100 Japanese 17795 21470  
 2100-0300 Quechua 9745-(2130-0000) 6080 3220  
 2100-2130 German 17795 21470  
 2100-2200 Arabic 12020U  
 2130-2230 Spanish 17795 15365 15140 6050  
 2200-2300 Japanese 21455U 11615  
 2230-2300 Spanish 15140 6050  
 2230-2300 Russian 15295  
 2300-0230 Portuguese 11615  
 2300-2400 Spanish 21455U 15140 6050  
 2300-2400 German 15295

(BBCM + Kallinger-AUT + Ludwig-GER + Miller-CAN + van Oudheusden-FOL) Beginning May 1, HCJB will launch its new webpage at: <http://www.hcjb.org.ec> (26-Apr/Miller-CAN/WDXC TopNews/Bueschel-GER)

4795.2 <i>La Voz de los Caras</i> , Bahía de Caraquez (t), 0350-0400*, possibly reactivated, S rlg. talk, sign off (17-May/Petersen/DSWCI DX Window/vanden Boogert-HOL)	0800-0900	FF-Africa	21620 17850 17650 17620 15605 15315 15300 11845
<b>EGYPT</b> German sce of <i>R. Cairo</i> replaced 9900 by new 9990 for a test period, noted at 1930, suffers by very bad audio quality. (25-Apr/Bueschel-GER/WWDXC TopNews/Bueschel-GER) I just noted Cairo in FF at 2100 on 9990, perfectly in the clear on excellent level with just a little bit of distortion. So their freq experiments obviously regards not only the German sce but all their programming for EUR, which was until now carried on 9900. (26-Apr/Ludwig-GER/WWDXC TopNews/Bueschel-GER)	0900-1000	FF-Africa	15605 15315 15300 11845
<b>FRANCE</b> <i>Radio France Internationale</i> , via France and relays in China, French Guiana (Montsinery), Japan (Yamata), Gabon (Moyabi), Russia and South Africa:	0900-1030	French	17650 15605 15195 15155 11670 9805
0000-0100	French	12025 11670 9805 9800 9790 9715	
0000-0100	Portuguese	13625 11995	
0100-0130	Spanish	11995 11670 9800 5920	
0100-0200	French	15440 11995-(fm 0130) 11670-(fm 0130) 9800-(fm 0130) 9790 9715	
0200-0300	French	9800 9790 9715 5920	
0300-0330	Russian	7280 6045 5990	
0300-0400	French	9800 7280-(fm 0330) 6045-(fm 0330) 5990-(fm 0330)	
0300-0400	FF-Africa	11700 11685 9805 9790 9550 7315 7135	
0400-0430	French	9800 9745 7280 7135 6045 5990 5920	
0400-0500	FF-Africa	15155 11995 11700 11685 9805 9790 9550 7135 6175 5925 4890	
0430-0500	French	9800 9745 7280 7135 6045 5990-(to 0445) 5920	
0445-0500	Polish	5990	
0500-0530	French	11975 9805 9745 7280 6045	
0500-0600	FF-Africa	17800 17620 15605 15155 15135 11700 11685 9790 7135 5925 4890	
0530-0600	French	11975 9805 9745 7280 6045	
0600-0700	FF-Africa	17850 17800 17650 17620 15605 15300 15135 11700 9790 7135	
0600-0700	French	11975 9805 7280	
0700-0730	French	15605 15155 11975 11670 9805	
0700-0800	FF-Africa	21620 17650 17620 15605 15315 15300 11700 9790 7135	
0730-0800	French	15605 15155 11670 9805	
0800-0900	French	17650 15605 15195 15155 11670 9805	
	1100-1200	Laotian	12025
	1100-1200	FF-Africa	21620 21580 17650-(to 1130) 17620 17605 15315 15300 11845
	1100-1200	French	17650 17575 15365-(to 1130) 15195 15155 13640 11890 11710 11670 9830 9805 6175-(to 1130)
	1200-1230	Spanish	17560 15515 13640
	1200-1300	FF-Africa	21685 21620 21580 17850 17650 17620 15315 15300 11845 9790 1233-(fm 1230)
	1200-1300	Cambodian	12025
	1200-1300	English	17575 15540 15530 15195 15155 11600 9805
	1200-1300	Chinese	12075
	1200-1300	French	17650 15515-(to 1230) 15435-(to 1230) 13640-(to 1230) 11670
	1300-1330	Russian	15605 15155 11670
	1300-1400	French	17860-(to 1330) 17560 15515-(to 1330) 15435 15195 11615 9805 684
	1300-1400	FF-Africa	21685 21620 21580 17850 17650 17620 15315 15300 11845 9790
	1330-1400	Creole	17860 15515
	1400-1430	Spanish	17860 17575 15515
	1400-1500	Serbo-croat	11670 9805
	1400-1500	French	21645-(fm 1430) 17860 17575 15315-(to 1430) 15300-(to 1430) 15195 15155 11845-(to 1430) 11615
	1400-1500	Vietnamese	6120
	1400-1500	FF-Africa	21685 21620 21580 17850 17650 17620 15315 15300 11845
	1400-1500	English	17560 15405 11910
	1430-1500	Creole	15315 15300 11845
	1500-1600	Vietnamese	1296
	1500-1600	FF-Africa	21685 21620 21580 17850 17620 17605 15605 15315 15300 11845
	1500-1600	Romanian	11670 9805
	1500-1600	French	17575 15515 15195 15155 11615

1600-1630	Spanish	17860 15515
1600-1700	Polish	11670 9805
1600-1700	Arabic	12025 11650 9790
1600-1700	English	17850 15640 15210 12015 11705 11615
1600-1700	FF-Africa	21685 17620 17605 15300 11700
1600-1700	French	11995 11615 9495 6090
1700-1730	English	15460 15210 11615
1700-1800	FF-Africa	21685 17620 15460-(fm 1730) 15300 15210-(fm 1730) 11700 1233-(fm 1730)
1700-1800	Portuguese	17850 15530 12015
1700-1800	Arabic	12025 11650 9845 9790
1700-1800	French	11670 11615 9805
1800-1830	Spanish	21765 21645 17630 17575
1800-1900	Persian	11650 9845
1800-1900	FF-Africa	21685 15460 15300 11995 11705 11700 11615 9790 7160
1800-1900	French	11995 11615 9495
1800-1900	Russian	11670 9805
1900-2000	French	11995 11615 9495 7350 5915
1900-2000	FF-Africa	15300 11995 11965 11705 11615 9790 9485
1900-2000	Serbo-Croat	9805 7135
2000-2100	Romanian	9805 7135
2000-2100	FF-Africa	15300 11995 11965 11705 9790 9485 7160
2000-2100	French	9605 9495 7350 5915
2100-2130	Spanish	21765 21645 17630
2100-2200	FF-Africa	15300 11965 9790 9485 7315 7160 6175
2100-2200	French	21765-(fm 2130) 21645- (fm 2130) 17630-(fm 2130) 9805 9605 7350 5900
2100-2200	Polish	7135 5915
2200-2300	Chinese	9830 7420
2200-2300	Portuguese	15200 13625 11995
2200-2300	French	11670 9800 9790 9715
2300-0000	French	17620-(fm 2330) 15535 15200-(fm 2330) 11670 9805 9800-(fm 2330) 9790 9715
2300-2330	Spanish	11995 9800

**GEORGIA** *Voice of Hope* to India no longer from Tbilisi. Now from Juelich 1300-1530 on 15715. For Europe via Tbilisi now on 12125 1600-2100. (25-May/German/EDXP/Padula-AUS)

**GERMANY** Brother Stair's "*Overcomer Ministries*" has hired Juelich DTK site from 1900-0600 on 3945. (29-Apr/Ludwig-GER/WWDXC TopNews/Bueschel-GER) [see BROTHER STAIR at end of this month's column for more on this-AQ]

Brother Stair's *Overcomer Ministry* heard on new freqs: 13810 at 0755, with huge signal, via DTK Jülich, and replacing 9500 in the 0500-1000 period

for AUS/NZL. Also later in our evening on 17665 at 1045 with another big signal, also heard on 17525 and 17505—both considerably weaker, continued after 1100, May 3. (3-May/Francis-AUS/EDXP/WWDXC TopNews/Bueschel-GER)

And also on new freq 9510 2100-2200 in EE—big signal. (11-May/Padula-AUS/EDXP)

#### **GREECE** Voice of Greece

0000-0350	Greek/EE	11645 9420 9375 7450
0400-0555	Gk/TURK/AA	15650 15630 15170 9420 9375
0600-0800	Greek/EE	15650 15630 11645 9755- Delano 9425
0900-0950	Greek	17525 15650 9775-Delano
1000-1150	Greek/Turk	15650 9420 6230
1200-1250	Greek/AA/EE	17525
1200-1350	Greek/EE	15630 15175 11730-Delano 9940 9395
1300-1350	Greek/RR	11645
1400-1450	Greek/AA	17750 15650 11645 9420
1500-1700	Multilingual	11645 9425 7450
1500-1510	Greek	
1600-1610	Albanian	
1615-1625	Serbo-Croat	
1630-1640	Bulgarian	
1645-1655	Romanian	
1710-1750	Gk/Pol/RR	15630 11645 9425 7450
1800-1850	Greek/EE	15150 11645
1800-2050	Greek	9420 7450
1800-2200	Greek	17705-Greenville
1800-2200	Greek/EE	17765-Delano
1900-1950	Multilingual	9375 7515
1900-1910	English	
1910-1920	French	
1920-1930	German	
1930-1940	Italian	
1940-1950	Swedish	
2000-2015	Albanian	
2000-2050	Multilingual	9375 7515
2015-2030	Serbo-Croat	
2030-2040	Bulgarian	
2040-2050	Romanian	
2100-2150	Greek	7450 6260
2100-2250	Greek/EE	11645 9420
2150-2250	Greek	6260
2200-2300	Greek	11640
2300-2350	SS/EE/PP	11690 11640 11595 9425 9395

Ten minutes of EE news at 0130, 0330, 0745, 1235, 1240, 1330, 2240, 2335 (BBCM)

**Macedonia Radio Station** (Radiphonikos Stathmos Makedonias) schedule:

0600-1300	9935 11595
1300-2200	7430 9935 11595

All transmissions are in the Greek language and originate from studios in Thessaloniki. This station uses transmitters at Pieria (Thessaloniki) with power output of 35 kW. (Rigas/rec.radio.shortwave/DSWCI DX Window/van den Boogert-HOL)

**GUAM KTWR Trans World Radio**

0740-0915	English	15200
0800-0930	English	15330
0825-0855	Hakka	11665
0900-1100	Chinese	11670 9650
0915-0930	Balinese	15200 Mo/Tu
0915-0930	Madurese	15200 Fr-Su
0915-0930	Torajanese	15200 We/Th
0930-1100	English	9865
0930-1100	Indonesian	15200
1100-1130	Chinese	11670 9555
1130-1330	Chinese	11670 9820 9590
1140-1155	Vietnamese	9870
1200-1300	Japanese	9465
1330-1345	Assamese	15455 Mo/Tu
1330-1345	Boro	15595 We-Su
1330-1400	Swatow	9870
1330-1400	Chinese	11670 9820
1345-1400	Santali	15595
1400-1415	Bengali	15455 Mo/Tu
1400-1415	Cantonese	9870 Sa
1400-1415	Tamil	15595 We-Su
1400-1445	Cantonese	9870 Mo-Fr
1400-1500	Cantonese	9870 Su
1400-1530	Chinese	9820 9545
1415-1500	Amoy	9870 Sa
1430-1515	Burmese	9430
1445-1500	Amoy	9870 Mo-Fr
1500-1630	English	15330
1515-1530	Vietnamese	9430
2100-2200	Korean	9465
2100-2200	Japanese	11690
2100-2200	Indonesian	11810
2200-2215	Cantonese	11650 Fr
2200-2230	Indonesian	15195
2200-2245	Cantonese	11650 Su-Th
2200-2300	Cantonese	11650 Sa
2200-2330	Chinese	11995
2215-2300	Amoy	11650 Fr
2245-2300	Amoy	11650 Su-Th

(BBCM)

**Adventist World Radio (AWR) via Guam Z98:**

0000-0030	Burmese	17645
0000-0100	Vietnamese	11775 Sa/Su
0000-0200	Chinese	15225
0030-0100	Karen	17645
0100-0130	Bengali	17645
0200-0400	Chinese	15225 13720 Sa/Su
1000-1030	Russian	15170
1000-1100	Cantonese	11980
1000-1100	Chinese	15225
1000-1100	English	15170(from 1030) 11790
1030-1100	Cantonese	11980
1100-1130	Indonesian	13720
1100-1130	Minnan	11980
1100-1300	Chinese	15225 9370
1130-1200	Hakka	11980
1130-1200	Javanese	13720
1200-1230	Tagalog	13720
1200-1300	Korean	9650

1200-1300	Vietnamese	11980
1300-1330	Bengali	13720
1300-1330	Japanese	9650
1300-1500	Chinese	11980 9370
1330-1400	English	9650
1400-1430	Chin	13720
1400-1430	Sinhalese	9385
1430-1500	Burmese	13720
1430-1500	English	9385
1500-1530	Hindi	9385
1500-1530	Malayalam	9370
1500-1530	Tamil	9355
1530-1600	English	9385
1530-1600	Hindi	13680
1530-1600	Kannada	9355
1530-1600	Marathi/ Telugu	11980
1530-1600	Punjabi	9370
1600-1700	Vietnamese	9370
1600-1800	Arabic	13840 9355
1700-1730	Persian	13660 9355
1700-1800	Tagalog	9370 Th-Su
1730-1800	English	13660 9355
2000-2100	Korean	9495 5950
2100-2130	Japanese	15310
2100-2300	Chinese	11980
2130-2200	English	15310
2200-2230	Indonesian	11895
2200-2300	Chinese	15610
2200-2300	Vietnamese	11775
2230-2300	Javanese	11895
2300-2330	Cantonese	11980
2300-2330	English	11775 Sa/Su
2300-2400	Chinese	15610 15225
2300-2400	English	11775 Mo-Fr
2330-2400	Cantonese	11980
2330-2400	Vietnamese	11775 Sa/Su

**HUNGARY Radio Budapest**

0000-0100	Hungarian	11910 9810
0100-0130	English	9580 6120
0130-0230	Hungarian	11685 9840
0230-0300	English	11910 9840
0300-0330	Russian	6145 3975
0330-0400	Ukrainian	6145 3975
0400-0430	Romanian	7290 3975
0430-0500	Croatian	7185 3975
0500-0530	Slovak	5985 3975
0530-0600	Serbian	7120 5980
0900-1000	Hungarian	21560 17780
1000-1100	Hungarian	21560 17780 Su
1100-1200	Hungarian	7215 5970
1200-1300	German	7220 5970 Su
1300-1400	Hungarian	7215 5980 Su
1430-1500	Russian	9530 5975
1500-1530	Croatian	7165 3975
1530-1600	Romanian	7185 3975
1600-1630	Ukrainian	7165 3975
1630-1700	Slovak	6185 3975
1700-1730	Serbian	6145 5990 Mo-Sa

1700-1800	German	5990 3975 Su
1730-1800	German	5990 3975
1800-1900	Hungarian	5960 3975
1900-1930	English	7170 3975
1930-2000	German	7180 3975 Mo-Sa
1930-2000	Serbian	9750 7155 Su
2000-2100	Hungarian	15210 9505 3975
2100-2130	English	11700 3975
2200-2300	Hungarian	11905 9840
2300-0000	Hungarian	11905 9840 Su

(BBCM)

**INDIA All India Radio** first Z98 (to 3 May) [as usual, AIR makes it impossible for us to bring you a current schedule-AQ]:

0000-0045	Tamil	4790 9835 9910 11740 13795
0010-0015	Urdu	11620
0015-0430	Urdu	6155 9595 11620
0100-0130	Burmese	11870
0100-0200	Sindhi	5990 7125 11790
0130-0200	Tibetan	9565 11900 13700
0130-0220	Nepali	3945 7250 9550
0215-0300	Pushtu	9910 11735 13620
0300-0345	Dari	9910 11735 13620
0315-0415	Hindi	11855 15075 15180 17625 17387
0400-0430	Persian	11730 13620 15050 17785
0415-0430	Gujarati	15075 17387
0430-0530	Arabic	13620 15050 17785
0430-0530	Hindi	15075 17387
0700-0800	Nepali	7250
0830-1130	Urdu	9595 11620
0845-0945	Indonesian	15050 17387
1000-1100	GOS-II	11585 11735 13700 15050 17387 17840
1115-1200	Thai	15340 17895
1115-1215	Tamil	13710 15075 15770 17860 17895
1145-1315	Chinese	11840 15050 17705
1215-1245	Telugu	13710 15770
1215-1315	Burmese	11620
1215-1330	Tibetan	7410 11695
1300-1500	Sinhala	9700 15020
1315-1415	Dari	7140 9910
1330-1430	Nepali	3945 4860 6045 7410 11695
1330-1500	GOS-III	9545 11620 13710
1415-1530	Pushtu	7140 9910
1430-1930	Urdu	4860 6045
1515-1600	Gujarati	11620 15175
1515-1615	Swahili	9950 13720 15075
1530-1545	EE_nx	7410 9910 11740
1615-1715	Russian	11620 15140
1615-1730	Hindi	7410 9950 13720 13770 15075
1615-1730	Persian	9910 11585 11730
1730-1945	Arabic	9910 13620
1745-1945	GOS-IV	7410 9650 9950 11620 11935 13780 15075
1945-2030	French	9910 13620
1945-2045	Hindi	7410 9950 11620

2045-2230	GOS-V	7150 7410 9910 9950 11620 11715
2245-0045	GOS-I	7410 9705 9950 11620
2300-2400	Hindi	9910 11740 13795

(AIR website/compiled by Quaglieri-NY)

**INDONESIA** Mini-survey of what (and what not) has been heard here in Bandung during the month of April, mostly local evenings (from 1000 UTC); still suffering from regular heavy Monsoon thunderstorms local afternoons and evenings, making listening difficult, even impossible for those low-power East-Indonesian RPDTs. There may be a draught elsewhere in Indonesia, but we certainly don't have a water shortage here in West Java.

3204.4 **RRI Bandung**, definitely // 540, regular from around 1000. Strong carrier, but very low-level modulation, also generating modulation products every 9 kHz over a band of +/- 50 kHz.

3214.8 **RRI Manado**, unheard lately, but this always being a poor signal here, may be drowned in high static.

3222.9 **RRI Mataram**, unheard lately, apparently inactive

3224.8 **RRI Tanjung Karang**, unheard lately, apparently inactive

3231.8 **RRI Bukittingi**, unheard lately, apparently inactive

3249.8 **RRI Banjarmasin**, unheard lately, apparently inactive

3264.67 **RRI Gorontalo** (pres.), audio with a clear het; presumed this one Gorontalo, since reported to be the lower one here

3264.88 **RRI Bengkulu** (pres.), there are clearly two separate carriers here (cf. previous entry), but this one definitely weaker, audio cannot be separated from other stn 3264.88 RRI Bengkulu for sure, ID on 28/4 at 1440 after berita keluarga, s/off around 1600 3325RRI Palangkaraja, this is one of the strongest and most regular in the 90 mB.

3344.86 **RRI Ternate**, weak but audible 3355.20 RRI Jambi, first noticed 25/4, change-over from 4925 at 1300, until cl/down 1700; RRI Sumenep previously here seems to be inactive

3355.20 **RRI Jambi**, change-over from 4925 to 3355 on 26/4 at 1300, on 30/4 at 1300, on 28/4 (Holiday in INS) 3355 s/on at 1400, but 4925 stayed on // until 1600 s/off; 3355 s/off 1700

3385.0 **RRI Kupang**, hrd 28/4 with clear ID at 1307 after relay of Jakarta news, s/off 1500 or later

3395.14 **RRI Tanjungkarang**, another strong and regular 90mB-station; but heard announcing as RRI Bandar Lampung; these are twin-cities and it seems that Bandar Lampung is now dominating, also the airport there is called now Bandar Lampung, but still bears the designation TKG.

3905.0 **RRI Merauke** (pres.), no ID hrd, but certainly there is now only one RRI station here

3933.94 **RRI Semarang** s/on 1030, hrd on a Saturday with Wayang performance past 1700, also on progress local mornings at 0000 UTC.

3959.74 **RRI Padang** (tent.) 28/4 s/on resp. changeover from 4003/4000 at 1700; QRG clearly lower than RRI Palu (3960.31...3960.26) which was off since at least 1600.

3960.31 **RRI Palu**, s/on 1000 or earlier, quite strong signal 3976.05 RRI Pontianak, s/on 1000 or earlier, this is definitely the strongest RRI in the 75 mB.

3985.74 **RRI Surabaya**, s/on 1000 or earlier, recently hrd on a Saturday with Wayang performance; can't make out from the music whether it's Wayang Kulit (Shadow play) or Wayang Golek (Puppet play); apparently Wayang Kulit is more popular in Central and east Java, while Wayang Golek is usually found in West Java.

3996.0 can't hear anything around this QRG

3999.96 only heard local mornings around 0000 UTC; freq. is slightly lower than the one in the evening, so presume this is not RRI Kendari but **RRI Padang**; have to wait for an ID

3999.96 **RRI Padang**, alt. freq. to 4003.2, last heard there 27/4, since 28/4 on this lower QRG, making it difficult to separate it from only slightly higher RRI Kendari. Clear ID on 28/4 at 1630 when Kendari already off, schedule seems 1000 or earlier to 1700.

4000.17 **RRI Kendari**, last heard 27/4 with clear ID at 1135; in LSB-narrow mode clearly separable from RRI Padang (cf. next entry); nothing on this QRG local mornings

4003.19 **RRI Padang**, last heard 27/4 at 1130 with Islamic pop.

4075.0 can't hear anything around this QRG; seems that logging of Blitar here was wishful listening

4606.4 **RRI Serui**, weak but audible and regular

4696.91 **RKIP Surabaya**, recently heard on a Saturday relaying the Wayang performance from RRI Surabaya

4753.36 **RRI Ujung Pandang**, s/on 1000 or earlier; mornings until 0000 s/off

4766.0 can't hear any station despite checking for several days (weekdays and weekends), local mornings and evenings, not even a slight carrier; so where is **RRI Medan** reported to be reactivated?

4777.12 **RRI Jakarta**, usual distorted audio

4789.13 **RRI Fak-Fak**, often buried in heavy QRM

4845.0 **RRI Ambon**, presumed to be here, only het audible under dominating RTM in Tamil

4874.0 **RRI Sorong**, have yet to log this one reported to be reactivated

4925.0 **RRI Jambi**, now s/off here at 1300 in favour of 3355

4927.0 seems not in use nowadays

5040.0 **RRI Pekanbaru**, regularly mornings and evenings, although QRG evenings dominated by Fujian PBS

7098.52 **RRI Yogyakarta**, hrd 28/4 from 2315, with EE rx at 0030-0040 with clear ID, s/off 0100

9552.53 **RRI Ujung Pandang**, very regular here, hrd at 2355 in // 4753

9614.28 **RRI Samarinda**, htd approx. 0200-0600, although until 0250 virtually blocked by DW in EE. (28-Apr/Werdin-INS/WWDXC TopNews/Bueschel-GER)

Current loggings:

3175.2 UNID 1240-1308, relay RRI Jakarta, 1300-1308 Bagimu Negri, //3344.8 now local prog again. Very weak signal. Active around this time. Another UNID on v3375, bad modulation and weak signal strength. (26-Apr/Schulze-PHL/WWDXC TopNews/Bueschel-GER)

3204.4 **RRI Bandung**, 2106 carrier but no audio, which fits with what Gerhard Werdin on the spot rpts. No doubt on all night with wayang. (2-May/Foster/NU/Jembatan DX/Yamada-JPN)

3249.9 **RRI Banjarmasin**, 2127 Islamic singing, likely just s/on, as not noted at 2100. Don't recollect hearing them lately in local evenings. (2-May/Foster/NU/Jembatan DX/Yamada-JPN)

3267.67 **RRI Gorontalo**, 1026, with clear ID and mention of Irian Jaya in BI. (9-May/Norrie/DSWCI DX Window/van den Boogert-HOL)

3344.90 **RRI Ternate**, 2057, Islamic style of music until 2059 then W speaker in BI followed by song of the coconut islands and at 2100 M speaker in BI with Radio Republik Indonesia ID and warta berita until 2106 then love anbon tune and at 2107 W in BI clearly mentioning Ternate. (9-May/van Rooy/DSWCI DX Window/van den Boogert-HOL)

3960.2 **RRI Palu** (p), W talk & local pops at 1244. SCI at 1258. Jakarta news relay at 1300. Very poor. North Korean station on 3960kHz was not heard at this time today. (3-May/Yamada-JPN/Jembatan DX)

4753.2 **RRI Ujung Pandang**, 2105-2115, Native singing. (9-May/Petersen/DSWCI DX Window/van den Boogert-HOL)

6069.8 **RRI Jayapura**, 2046 stretching exercise program. Its music was different from that of RRI Merauke & RRI Serui. At 2059 SCI and Jakarta nres relay at 2100. Fair to poor. (4-May/Yamada-JPN/Jembatan DX)

7098.50 *RRR Yogyakarta*, 2259, Song of the coconut islands and warta berita by W speaker in BI and M reporters, //4925, 4003.2, 15150. (9-May/van Rooy/DSWCI DX Window/van den Boogert-HOL)

9741.35 *RRR Sorong*, 0750-0801 fair signal, Romantic Indonesian lagu and local ID "Inilah Radio Republik Indonesia Sorong, programa satu." then Jakarta news relay. (10-May/TIN-JPN/Relampago DX)

9741.6 *RRR Sorong* 1026 fluttery w/occasional audio (15-May/Hill-MA)

*RRR Fak Fak* uses 4789.1 in the local evening broadcast instead of 7231.1 from April. *RRR Kupang* on 3385.0 reactivated from the end of April. Its sign off time is now 1515 with Love Ambon. *RRR Manado* on 3215.0 now signs off at 1515. *RRR Serui* on 4606.3 now signs off at 1530. *RRR Sorong* on 4874.6 was inactive since April 11. But a few days this frequency was reactivated in the middle of April. Now the station uses 9741.6 in stead of 4874.6. According to my monitoring at 1000-1200 on April 28, The local news was heard at 1100 and Jakarta news relay was heard at 1000. (Yamada-JPN/Jembatan DX)

**IRAN VOIRI** Tehran current observed schedule:

0030-0130	Bengali	7130 11915 11785
0030-0130	Spanish	6175 9650
0030-0130	Arabic	5995 6120 6145 9615
0030-0130	English	6055 9022 9685
0100-0300	Dari	7180
0130-0230	Spanish	6010 6055v 6175 9650
0130-0230	Arabic	5995 6120 9615
0130-0230	Urdu	6005 7130 11915
0130-0630	Farsi	15084 15365
0230-0330	Spanish	6055v 6175
0230-0330	Pashto	6005 7130 11915
0230-0430	Azeri	9615
0230-0530	Arabic	5995 7130 7190
0300-0330	Uzbek	7180
0300-0330	Armenian	6210
0330-0430	Swahili	11750 13605 15320
0330-0500	Tajik	7180
0330-0530	Arabic	6195 7115 7295 9610
0400-0500	Arabic	6020 9670
0430-0530	Turkish	9525 11790
0530-0630	Bosnian	9525 13610 15230
0530-0630	Spanish	11790 15260
0530-0930	Arabic	15125 15350 15585 17570
0545-0630	Hausa	13755v 15450
0630-0730	French	11790 15260 15325
0630-0730	Italian	9022 13617v 15084 15230
0730-0930	Farsi	15084 15365
0930-1000	Armenian	9615 11705
0930-1100	Farsi	6175 7215 11885 15084 15365 17780
0930-1130	Arabic	11745 13605 15125 15350 15585 17570
1100-1200	Farsi	7215 15083 15365

1100-1230	English	9585 11830 11875 13605 15260
1130-1200	Arabic	11745 13605 15125 15350 15585 17570
1200-1230	Arabic	11745 15125 15350 15585 17570
1200-1300	Italian	13600 15084 15115
1200-1330	Arabic	11745 15350 15585 17570
1230-1330	Malay	11885 13605 13760 15200
1230-1330	Pashto	7180 9585 11830 11875
1330-1430	Arabic	11995 15350
1330-1430	Urdu	6175 9585 9750 11830 11875
1330-1430	Chinese	9625 11885 13605 13685 15200
1330-1530	Urdu	7180
1330-1630	Farsi	15084
1400-1500	Russian	9575 9735 11930 11960
1430-1530	Pashto	11830
1430-1530	Bengali	5995 7215v 11875 13605
1430-1530	Urdu	7150 9750 9780
1430-1700	Arabic	7190 11995
1500-1530	Kazakh	7165 9585 11885
1530-1600	Uzbek	7180
1530-1630	English	7215v 9780 13605
1530-1630	Russian	7260 9022 9575
1530-1630	Pashto	6175 7150 9750
1530-1730	Urdu	11830
1630-1730	Armenian	6005 9535 9620
1630-1730	Turkish	7260 9022 9525
1630-1730	Azeri	11885
1630-1730	Farsi	11855,65v 15084
1700-1830	Arabic	6025 7190 9695
1730-1830	Turkish	11885
1730-1830	German	7160 7260 9022 9530
1730-1830	Farsi	15084
1730-1830	Bosnian	7165 7295 7340 9615 11655
1730-1830	Swahili	9650 11750
1730-1830	Russin	7115 7290
1830-1930	French	7160 7260 9022 11900
1830-1930	Arabic	6025 6145 7190 9695
1830-1930	Albanian	7295 7340 9615 11655
1830-1930	Farsi	7130 15084
1930-2000	Italian	7340 9615 11655
1930-2030	Russian	7175 7290 7305 9740
1930-2030	Arabic	6025 6145 7190 7230 9695
1930-2030	English	7160 7260 9022
1930-2130	Farsi	6175 7130 15084
1945-2030	Hausa	9605 11720
2030-2130	Arabic	6025 6145 7190 9695
2030-2130	Spanish	7260 9022
2130-0130	Farsi	7130 15084
2130-2230	English	6165 6175v
2130-2230	Bosnian	7125 7145 7170
2130-2330	Arabic	5995 6025 6145 7260 9022
2330-0030	French	6030 7260 9022
2330-0030	Arabic	5995 6025 6120 6145 9615
2330-0030	Chinese	7130 7215 11915

(14-15-May/Timofeyev-RUS)



1900-2100	Japanese-D	11910 11665 9560 7225 6035K (from 2000)
2100-2200	English	13630
2100-2200	English-G	11850 9725 6035K
2100-2200	Japanese-D	11910 11665 7225
2200-2300	Japanese-D	15220A 13630 11910 11895F 11850 11705C 11665 9725 6115UK 6060UK
2210-2230	Korean	9560
2230-2300	Chinese	13650-(from 2240) 9560- (to 2250)
2240-2300	Malay	11815
2300-0000	Japanese-D	11910 11665 9725
2300-2320	Indonesian	11815
2300-2320	Thai	13650
2320-2340	Burmese	13650
2320-2340	Vietnamese	11815
2340-2400	Chinese	13630 11815
2340-2400	Indonesian	13650

-G=General Service, -D=relay of Domestic Service  
A=via Ascension Island C=via Sackville, Canada F=via  
Montsineray, French Guiana G=via Moyabi, Gabon  
K=via Kranji, Singapore S=via Ekala, Sri Lanka  
UK=via Skelton and Woofferton, United Kingdom  
(BBCM)

**JORDAN** *Radio Jordan* has again noted with 3  
high power transmitters and some new "old" freqs  
in use. Here are some today's observations:

1036	15355 // 11810 (+ 11690 EE)
1304	13620 // 11810 (+ 11690 EE)
1420	13620 (+11690 EE)
1600	7155 // 6105 (+ 11690 EE)
1713	7155 // 9830 + 6105 with separate AA program
1846	7155 // 6105 9830
1905	as 1846

(20-May/Timofeyev-RUS/WWDXC TopNews/  
Bueschel-GER)

**KAZAKHSTAN** Three years ago it was determined  
that the country's capital would be changed from  
Almaty [formerly Alma Ata] to Akmola, a town of  
currently 300,000 inhabitants. On Fri, May 8th, the  
country's President announced that the name of the  
new capital would be changed from Akmola ("white  
tomb") to Astana (the Kazakh lang word for "cap-  
ital"). President Nazarbayev is scheduled to preside  
over official ceremonies to present the new capital  
to the world on June 10th. (9-May/Reuters/Toronto  
Globe and Mail/Clark-ONT/WWDXC TopNews/Bue-  
schel-GER) I located the new capital, spelled Aqmola  
in the National Geographic Atlas of the World, in  
the north-central interior of the country. (16-May/  
Clark-CAN/DXW/WWDXC TopNews/Bueschel-GER)

**Kazakh Radio** Almaty in RR now Mon-Fri ex-  
tended til 1800 on 11950. German sec Suncs replaced  
1000 by 1100, still on 9505 direct, and Kiev-UKR re-  
lay 9620 & 11720. (14-May/PanIview/Pankov-BUL/  
WWDXC TopNews/Bueschel-GER)

**KOREA—NORTH** *Radio Pyongyang* is now on  
7505 (ex 13790, QRM CRI 7504) 1700-2200 in RR/  
GG/RR/GG/GG. (16-Apr/PanIview-BUL/WWDXC Top-  
News/Bueschel-GER)

#### LITHUANIA *Radio Vilnius*

0000-0030	Lithuanian	9855-Germany
0030-0130	English	9855-Germany
0900-0930	Lithuanian	9710
0930-1000	English	9710

(BBCM)

**MALAYSIA** A tiny tempest in an even smaller tea-  
pot as the DX media hotly debates the veracity of  
recently published skeds on a number of outlets  
seemingly only heard by neighbors living next door  
to the transmitter sites:

First, Alan Davies, Kota Kinabulu, Sabah, Malay-  
sia from, Apr 26-28 tells us: *RTM Sabah* Rangkaian  
(i.e. Network) Nasional is untraceable anywhere on  
HF, with nothing heard on old 4970 kHz. *RTM Sabah*  
Rangkaian Biru (Blue Network) 0330-0700 and  
0800-1330 Mon-Fri, 0330-1330 Sat-Sun on 5980v  
which "is well heard throughout northern Borneo,  
exc during the daytime in KK where it is weak, pre-  
sumably due to propagation effects. Comes in fine  
even there after about 0800."

Both channels, 4970 and 5980 heard in //on  
26/4 around 1310. (28-Apr/Gerhard Werdin, Band-  
ung, INS)

*RTM Sarawak* is still very much active on 7270  
and other HF freqs as I reported a couple of weeks  
ago. Noted at 0416-0425 today (26/4/98) on 7270  
with Malaysian easy-listening mx and announce-  
ments in presumed Iban. (Davies) Re recent report  
of *RTM Kuching* on 7270 by Alan Davies, this can  
certainly be confirmed from here, if anything is reg-  
ularly audible from Sarawak, then it is this QRG! The  
other 41mB QRG audible here is the Blue Network in  
Bidayuh [7130-AQ] hrd e.g. 26/4 0400-0600 s/oft.  
However, 7145 and 7160 seem to be off the air. Other  
QRGs regularly audible here during local evenings  
are 4895, 5030, 6050 and 6060. (28-Apr/Werdin-  
INS/WWDXC TopNews/Bueschel-GER) Despite some  
souces claiming that 3385 (Miri) is operational, I  
have NEVER heard this outlet, and I believe that  
this was an assigned freq which was NEVER used. It  
is my understanding that the 10 kW transmitter al-  
located "officially" to 3385 is used on 6060, in //  
with a second 10 kW transmitter at the Miri site.  
Sibu also has two 10 kW transmitters, operating on  
5005 and 6050. Local Iban programming originates  
from the Sibu Studio at various times, and carried  
on SW, 5005 and 6050, such as at 0900-0930 on  
Sats, with telephone call-in features. Miri 6060  
takes relays from Kuching—the key SW outlet is  
7270. At 0930, 5005, 6050, 6060 and 7270/4895 are  
in chain, taking the Kuching Iban service (7270).

5030 (Kuching) is audible here in Melbourne  
with the Bidayuh service from around 1100, co-

channel with CRI and AWR-Costa Rica—it also operates from 2200 for local morning bcs. 4895 (Kuching) is also audible here during the evening with Iban. 4835, 7130, 7145 and 7160 are no longer operational for local evening bcs, but some of those channels MAY still be in use during local daytime for limited coverage. (19-May/Padula/EDXP) Victor Goonetilleke adds, "I agree that MIRI has not been on the air for at least 2 years now, but I can not accept the statement that it was NEVER on. I can vouch for MANY receptions of Miri many years ago. Maybe it didn't carry to Australia? I don't need to go back in my logs to pin point days times. (23-May/Goonetilleke-SRI/UADX/WWDXC TopNews/Bueschel-GER)

**MALI** 11960 *RTM* Bamako, 1730-17.59:33\*, FF language, ID before s-off. No //v9633. Noted here for the first time on even[!] 11960.00 again. Stn has been silent at least for two or three years on this channel. Modulation is crystal clear now, so it's seemingly new and overhauled equipment in use. (11-May/Bueschel-GER/WWDXC TopNews/Bueschel-GER)

**MALTA VOM** (*Voice of the Mediterranean*) is a non-commercial external radio broadcaster. VOM's services to Europe are funded by the governments of Malta and Libya, but transmissions to other areas, which identify on the air as "Radio Melita" or "Valletta Calling," are financed by the Maltese government. The station currently broadcasts on shortwave via hired transmitters in Italy and Russia. The mediumwave outlet on 711 kHz is from a transmitter in Libya. This schedule is based on monitoring observations and information from the station.

0500-0530	Japanese	17570-Khabarovsk Su
0600-0630	Italian	9600-Italy Mo-Sa
0630-0700	English	9600-Italy Mo-Sa
0700-0730	Arabic	9600-Italy Mo-Sa
0700-0800	Italian	9600-Italy Su
0800-0930	English	9600-Italy Su
0930-1030	Maltese	9600-Italy Su
1030-1130	French	9600-Italy Su
1100-1200	German	9600-Italy Su
1900-2000	English	12060-Moscow Sa-Th
1900-2000	Arabic	12060-Moscow Fr
2000-2030	French	12060-Moscow Su
2000-2100	Arabic	12060-Moscow Su
2030-2100	German	12060-Moscow Su

(BBCM + Kai Ludwig-GER/WWDXC TopNews/Bueschel)

**MEXICO** 6185 *Radio Educacion*, Mexico City was announcing last week that they're using 5 kW on SW, "soon to be increased to 10 kW." (27-Apr/Quaglieri-NY)

**MONACO** *Trans World Radio* (TWR) for Z98:

0645-0835	English	9755
0645-0850	English	9755
0655-0820	English	9755 Mo-Fr
0830-0845	German	9795 Mo-Sa

0830-0845	German	7160 Mo-Sa
0830-0915	German	7160 9795 Su
0846-0901	Czech	9490 Sa
0846-0901	Slovak	9490 Mo/Tu/We/Fr
1030-1100	Slovak	9490 Sa
1100-1145	Hungarian	9490 Su
1230-1245	Croatian	7255 Sa/Su
1230-1245	Serbian	7255 Th
1230-1315	Croatian	7255 Mo/Tu/We/Fr
1245-1315	Croatian	7255 Th
1245-1315	Macedonian	7255 Su
1245-1315	Slovenian	7255 Sa
1315-1330	German	9795 Sa
1315-1330	German	7160 Sa
1330-1400	German	9795
1330-1400	German	7160
1515-1530	Slovak	7355 We/Sa/Su
1515-1600	Czech	7355 Mo/Tu/Th/Fr
1530-1600	Czech	7355 We
1601-1616	Hungarian	7355 Su
1601-1631	Hungarian	7355 Mo-Sa
1700-1715	Russian	11635 Mo
1700-1745	Russian	11635 Tu-Su
1715-1745	Belarus	11635 Mo
1745-1815	Russian	11635 Mo-Fr

(17-Mar/TWR Europe/RL & Bueschel/WWDXC DXM/Kubiak-FRG)

**MONGOLIA** *Radio Mongolia's* Summer 98 schedule received via email today:

0830-0900	Russian	12085
0900-0930	Japanese	12085
0930-1000	Mongolian	12085
1000-1030	Chinese	12085
1030-1100	Japanese	12085
1110-1140	Mongolian	12085
1140-1210	Chinese	12085
1210-1240	English	12085
1240-1310	Russian	12085
1320-1350	Japanese	12015
1400-1430	Chinese	9720 12085
1430-1500	English	9720 12085
1800-1830	Russian	9720 12085
1830-1900	English	9720 12085

(8-May/R. Mongolia/Quaglieri-NY)

<http://www.angelfire.com/biz/mrtv/index.html>

**MOROCCO** Fax including Winter98 schedule received from *RTM*:

0000-0500	11920 15335
0500-0900	11920 15335
0900-1100	11920 15335 15345*
1100-1400	11920 15335 15345*
1400-1500	11920 15335 15345* 17595
1500-1700	11920 15335 15345* 17595
1700-1900	11920 15335 15345* 17595
1900-2200	11920 15335 15345*
2200-2400	11920 15335

All nominally via Tanger except \* Nador. *RTM* clearly uses the old Tanger site [100 kW], as well as the new VOA site at Briech [500 kW], as the second

250-kW-transmitter at Nador (other one in use by Medi 1 on 9575 kHz). (23-May/Visser-BEL/WWDXC TopNews/Bueschel-GER)

**NETHERLANDS Radio Netherlands Z98:**

0025-0125 Spanish 9895F 11680B 15315B  
0030-0325 English 9855M 11655M 12090T  
0130-0225 Dutch 6020F 6165B 9895B  
15315B  
0230-0425 Spanish 6020F 6165B 9590B  
0330-0425 Dutch 9855M 11655M  
0430-0525 English 6165B 9590B  
0500-0530 Dutch 5955F 6020F 7130F 9895F  
0530-0600 Dutch 5955F 6020F 6165B 7130F  
9715B 9895F  
0600-0615 Dutch 5955F 6165B 9715B 9895F  
13720J  
0615-0625 Dutch 5955F 6165B 9715B 9895F  
11935F 13720J  
0625-0630 Dutch 5955F 9895F 11935F  
13720J  
0630-0700 Dutch 5955F 9720B 9820B 9895F  
11935F 13720J  
0700-0725 Dutch 5955F 9720B 9820B 9895F  
11935F  
0725-0800 Dutch 5955F 9895F 11935F  
0730-0925 English 9720B 9820B  
0800-1030 Dutch 5955F 9895F 13700F  
0930-1015 DutchCarib 6020B Mo-Sa  
0930-1125 English 12065P 13710I  
1030-1125 Dutch 5955F 9720B 9820B 9895F  
13700F 17580M 21480M  
1030-1225 English 6045J 9860W  
1125-1330 Dutch 5955F 9895F 13700F  
1130-1155 Spanish 6020B 9715B  
1130-1325 Indonesian 11690S 12065M 17580M  
1200-1225 Spanish 6020B 9715B  
1330-1425 Dutch 5930P 5955F 9895F 12065P  
13700F 13755H  
1330-1525 English 9890M 15585M  
1425-1530 Dutch 5955F 9895F 13700F  
1530-1600 Dutch 5955F 9890M 9895F  
13700F 15585M  
1600-1625 Dutch 5955F 7310L 9890M 9895F  
13700F 15585M  
1625-1630 Dutch 5955F 7310L 9895F 13700F  
1630-1700 Dutch 5955F 6020M 7310L 9895F  
11655M 13700F  
6020M 11655M  
9895F 13700F 15560F  
17605B 21590B  
1700-1725 Dutch 6020M 7120M 11655F  
1730-1825 Dutch 13700F 15560F Su  
6020M 7120M 9895F  
11655F 15315B 17605B  
1730-1830 English 5835L 6015M 6020F 7120M  
1830-1925 Dutch 9895F 11655F 15315B  
1830-2025 English 15525(Su only) 17605B  
9895F 13700F 15155B  
2030-2125 Dutch 15315B  
2130-2225 Dutch 6020B  
2130-2225 DutchCarib 6120S 7285M 9590M  
2130-2325 Indonesian

2230-0025 Spanish 9895F 11680B 11715F  
15315B  
2330-0025 Dutch 7280M 9590S 17580H  
2330-0125 English 6020F 6165B 9845B

B=Bonaire F=Flevo G= Wolvetem H=Xhabarovsk  
I=Irkutsk J=Juelich L=Kaliningrad M=Madagascar  
N=Nauen P=Petrovavlovsk S=Singapore T=Tashkent  
W= Wertachtal (R. Nederland website + Padula-AUS)

**OMAN R. Oman** current observed schedule:

0200-0300+ 6120 7230  
0500-0700 15140  
0700-0900 9510 15140  
0900-1400 11890 15140  
1400-1600 7230 9575 15140  
1600-1800 7230 9575 11805  
1800-1900 6085 7230 11805  
1900-2130 6085 7230 9735

(14-15-May/Timofeyev-RUS/NERRS)

**PAKISTAN** 15335.05 *R. Pakistan*, May 11, 1700-1900\*, new freq for Urdu WS to EUR (x9330). // v11570.10, thanks to a tip of Noel Green, Blackpool. Special Urdu progr to ME workers is now on v9330.10 at 1800-1900 (x7255). (11-May/Green-UK + Bueschel/WWDXC TopNews/Bueschel-GER)

**PAPUA NEW GUINEA Radio Free Bougainville**, Lolohe: Stn currently uses 3865 0900-1100, in EE and local langs, with 80 Watts, from a site in Central Bougainville. The local community still refers to the region as "The Republic of Bougainville." QSLs and general information available for five IRCs, from Sam Voron, 2 Griffith Avenue, Roseville, NSW, Australia 2069. Tel: +61 2 9417 1066. (1-May/Ogrizek-AUS/EDXP/WWDXC TopNews/Bueschel-GER)

**PERU** 3234.8 *Radio Luz y Sonido*, Huanuco, 0235-0245, Spanish, huayno music, ID by M 0241: "Radio Luz y Sonido, la primera Radio." (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

3330.5 *Ondas del Huallaga*, Huanuco, 0150-0210, Spanish, love songs, ID by M at 0154: "Radio Ondas del Huallaga" with accent on the first "a," advertisement, salsa music. (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

3339.9 *Radio Altura*, Cerro de Pasco, 0210-0235, Spanish, huayno music, avisos, tips for local events, Cerro de Pasco mentioned, ID, at 0232 the speaker mentioned the "fiesta musical del Peru." (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

4774.9 *Radio Tarma*, 0310-0320, Spanish, romantic songs, ID 0315: "Radiodifusion de Tarma..." (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

4855.5 *Radio La Hora*, Cusco, 0025-0035, Spanish, jingles, advertisement, many IDs. (3-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

4886.76 R. *Villa Rica*, Huancavelica, Huancavelica, 0210 Instrumental music with a not-particularly-latin flavor, then 0219 into signoff routine: "...R Villa Rica...correspondiente al dia de hoy." Gave shortwave and a couple of FM frequencies, then "muy buenas noches." Then played promo: "...musical, informacion cultural de Huancavelica y la region..." and off. Nice signal. Thanks Crawford tip. (25-Apr/Novello-NC)

4904.8 R. *La Oroya*, La Oroya, 0034-0110 nx deportivas program Panorama deportivo ID "Siempre por Radio La Oroya..." (21-May/Arrunategui-PRU/Chasqui DX)

4914.4 R. *Cora*, Lima, 0800-0825 mx f ID "Yo soy Cora..." nx ID "3 de la manana con 17 minutos en Radio Cora del Peru... manana es el dia del trabajador..." advs Camara de comercio y de la construccion...nx. (30-Apr/Arrunategui-PRU/Chasqui DX)

4935.0 R. *Tropical*, Tarapoto, San Martin, 0055 0120 program El festival tropicalizando mx chicha ID "Como siempre, en la linda compania de Radio Tropical en la onda corta en la banda tropical de 60 metros..." (22-May/Arrunategui-PRU/Chasqui DX)

5018.7 *Radio Horizonte*, Chachapoyas, 0050-0105, Spanish, salsa music, ID 0059: "Desde Chachapoyas...transmite Radio Horizonte...onda corta..." followed by religious program ("La Palabra de Dios"). (3-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

5025.0 *Radio Quillabamba*, 2340-2400, Spanish, rosario, often mentioned: "Santa Maria, Madre de Dios..." the station was clearly audible until 2354, then Radio Rebelde was dominating, ID and QRG at 2357. (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

5039.2 *Radio Libertad de Junin*, 0020-0030, Spanish, LA-folklore, ID and QRG at 0027. (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

5305.0 *Radio La Inmaculada*, Santa Cruz, 0245-0304, Spanish, love songs, ID by M at 0258: "Amigos oyentes, Radio La Inmaculada esta en el aire manana..." QRG, jingle, c/d 0304. (2-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

5460.6 new *Radio La Voz de Bolivar*, Bolivar, La Libertad, 0928 s/on, gradually improving to reach some sort of a peak by 1030 and lingering on past 1100.—Also same evening at 2357, but much weaker.—Noticed and identified thanks to alert (as an unid) by Mohrmann.—Stn is not on the air daily. (23-Apr/Klemetz-COL/Dateline Bogota)

5522.23 *Radio Sudamerica*, Cutervo, 1132 weak signal, OA folklore. (5-May/TIN-JPN/Relampago DX)

5637.2 *Radio Peru*, San Ignacio, 0045-0050, Spanish, jingle with ID, romantic song. (3-May/

Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL) for details)

5981.42 *Radio Chasqui*, Cusco, 1114-1132 poor w/QRM from Radio Malaysia (5979.83kHz), religious mx and talk in Spanish (not in Quechua on this morning). At 1125 ID was given by M as "...a traves de Radio Chasqui." (10-May/TIN-JPN/Relampago DX)

6115.0 *Radio Union* 0625 ID as "Union Radio" repeated every five minutes to latin beat music. (24-May/Karthus-ONT)

6535.8 *Radio Difusora Huancabamba* (p), 0035-0042, Spanish, M talking, LA music, sudden sign off 0042. (3-May/Schnitzer+8 others-Bavaria DX Camp/DSWCI DX Window/van den Boogert-HOL)

6811.65 *Radio Ondas del Rio Mayo*, Nueva Cajamarca, 1110-1114 fair, program "Saludos Musicales" giving message for "Dia de la Madre" (Mother's Day). ID was given as "De esta manera, transmitimos el programa SALUDOS MUSICALES a traves de las ondas sonoras de Radio Ondas del Rio Mayo transmitiendo desde Nueva Cajamarca en Region San Martin." (10-May/TIN-JPN/Relampago DX)

6818.2 R. *Victoria*, Lima, 0840-0905 program Secuencias de Milagros ID "La gran cadena de Radio Victoria..." program religioso. (30-Apr/Arrunategui-PRU/Chasqui DX)

6895.21 R. *San Miguel* (t), 0303-0359\* songs, M announcements, final annt and NA. Weak signal partly covered by distant thunderstorm noise (10-May/Honzik/DSWCI DX Window/van den Boogert-HOL)

7040.5 R. *San Ignacio*, reactivated, 2145 with HC pasillos, on and off past 2330. Slightly distorted.—On May 14, 0150, spkr-owner Csar Colunche said studios are now at Jr. Victoria 277. The move to new premises would explain the fact that the stn has been off the air for several weeks. At 0215, Colunche unexpectedly greeted yours truly. (Of course, he had no idea that I was listening).—On May 15, s/off 0023. (10-May/Klemetz-COL/DSWCI DX Window/van den Boogert-HOL)

7745.93 *Radio Cristal*, San Hilarion, 1139-1200 poor signal, Greeting and message for mothers living in San Hilarion and other provinces, between huaynos and cumbias. At 1200 short ID and adv of "Electronica San Hilarion." (10-May/TIN-JPN/Relampago DX)

9660.0 R. *Norperuana* (also: Norperuana R.), reactivated, first noted May 9, 2200, with a mix of ballads, huaynos and salsa.—May 10, 1130, fair, Mother's Day greetings in progr "La V de America."—May 15, late afternoon (local) prgs include "Fortaleciendo la tarde" and "Amor es escucharlo juntos." Stn ID sometimes includes "que transmite desde la fidelisima ciudad de Chachapoyas" (the most loyal town of Ch.) (9-May/Klemetz-COL/DSWCI DX Window/van den Boogert-HOL)

**PHILIPPINES DZMM** 13170 USB mode. Heard Fri 8 May morning local time, on by 2257 (that's Thurs 7 May UTC) with commercials, then nx in Tagalog from 2302 with usual liberal sprinkling of English words and phrases. Off abruptly at about 2342, parallel with DZMM on very strong 630 kHz. Apparently a relay intended for fishermen, 13170 carries what sound like ship-to-shore telephone calls later during the day. Thanks Hans Johnson tip. (9-May/Davies-UK-PHL/WWDXC TopNews/Bueschel-GER)

**FEBC** noted on new 9810, \*2230 Lao, ex listed 9875. Probably to avoid RFA on 9875 Holzkirchen \*2300-0000\* Tibetan! !! (11-May/Padula-AUS/EDXP) FEBC noted on new 11635 \*2315-2330\* ex 11650, with Lao dialects. Move made probably to avoid CRI 11650 with SS to Americas (24-May/Padula-AUS/EDXP)

**POLAND Polish Radio** Warsaw

1000-1030	Czech	7285 5995
1030-1100	Polish	7285 5995
1100-1130	Russian	9540 7305
1100-1130	Polish	7285 7270
1130-1200	German	9540 6095
1130-1200	Belarusian	7285 5995
1200-1300	English	11820 9525 7270 6095
1300-1330	Russian	9540 7285
1300-1330	Lithuanian	7305 6095
1330-1400	Esperanto	7305 7285
1330-1425	Belarusian	7275 5995
1400-1425	Slovak	6095 Su
1400-1430	German	7305 6095
1400-1430	Belarusian	7275 5995
1430-1500	Ukrainian	7285 6035
1430-1500	Russian	7275 6095
1500-1530	Lithuanian	7180 6035
1500-1530	German	7270 6000
1530-1600	Ukrainian	7180 6095
1530-1630	Polish	7285 6000
1600-1625	Czech	7215 6095
1630-1700	German	7280 6260 6095 6000
1700-1800	English	7285 6095
1700-1800	Belarusian	7180 6260
1800-1830	Esperanto	6095
1800-1830	Russian	7180 6000
1830-1900	Ukrainian	7270 7205 6095 6000
1900-1930	Russian	7270 7215 6095 6035
1930-2030	English	9525 7285 6095 6035
2030-2100	Esperanto	7285 7270 6095 6035
2100-2200	Polish	7270 6095 6035

(BBCM)

**PORTUGAL** To reflect multitude of recent changes, here is the complete summer schedule of **RDP**:

0500-1200	Portuguese	13635 Mo-Fr
0600-1200	Portuguese	9780 Mo-Fr
0645-0800	Portuguese	11780-Sines Mo-Fr
0700-0900	Portuguese	17745 Sa/Su
0700-1700	Portuguese	17725 Sa/Su
0700-2000	Portuguese	9780 13635 21655 Sa/Su
0830-1000	Portuguese	9575-Sines Sa/Su

0900-1100	Portuguese	21655 Mo-Fr
0900-1100	Portuguese	21720 17725 Mo-Fr
1105-1200	Tetum	17640
1200-1300	Portuguese	17640 Mo-Fr
1200-1330	Portuguese	21515 Mo-Fr
1200-2000	Portuguese	15200 17745 Sa/Su
1400-1900	Portuguese	21515 Su
1500-1800	Portuguese	21515 Sa
1600-1900	Portuguese	21655 Mo-Fr
1600-2000	Portuguese	9780 13625 15120 Mo-Fr
1615-2000	Portuguese	13635 Mo-Fr
1700-2000	Portuguese	15120 Sa/Su
2300-0330	Portuguese	9570 11770 11840
		13640 13700 Sa/Su
2300-0330	Portuguese	9570 11770 11840
		13640 13700 Mo-Fr

(Green-UK/Bueschel + PanIview/Pankov-BUL/WWDXC TopNews/Bueschel-GER) [Who knows how accurate this is...conflicts with other published skeds...-AQ]

**QATAR QBS** current observed schedule:

0245-0705	9570.2 11785
0705-1305	9570.2 17770
1305-2125	9570.2 11785

(14-15-May/Timofeyev-RUS/NERRS) Their freq management dept. must have worked overtime to find 17770—now co-ch BBC CYP 0900-0915 in Somali, Abu Dhabi s-on circa 0900, Romania 1100, and Cairo from 1115! (7-May/Green-UK/WWDXC TopNews/Bueschel-GER)

**ROMANIA RRI** Bucharest Z98 schedule, noted via Saftica transmitter site: 0500-0525 in Bulgarian new 5965. 1100-1255 Romanian new 7135 (x6185). 1530-1555 Turkish new 9530. 1630-1655 Bulgarian new 7105. (12-Apr/PanIview-BUL/WWDXC TopNews/Bueschel-GER) Beware one of their transmitters has a +1.65 kHz freq displacement, e.g at 2137 on 7106.65, also 7196.65 at another hour. (26-Apr/Titarev-UKR/NU/WWDXC TopNews/Bueschel-GER) **Radio Romania Internat** observed on 6130 around 2310 with what seems to be a program in English, voice modulation nearly drowned out by a terrible hiss. This trash originates from Tiganesti, the most modern of the Romanian SW sites. (29-Apr/Ludwig-GER/WWDXC TopNews/Bueschel-GER) Next episode: Radio Romania Internat in English found at 2130 off-freq on 7107.1 (nominal 7105). (11-May/Ludwig-GER/WWDXC TopNews/Bueschel-GER) Bucharest in Romanian at 0800-0856 observed on [strongest] 17805, //15370 15380 17790 17865, and 21480. German sce at 1900-1956 using strange odd v5957.37, //7195 9690, and 11940. Romanian home sce relay to EUR around 1400-1500 on v15104.79 and 11970. AA sce 1400-1455 on v17817.41, //15270 15365 17735 17745. (17-May/Bueschel/WWDXC TopNews/Bueschel-GER) The next ill outlet from the Tiganesti site: At 0420 I found on 6155 a powerhouse carrier (wiping out co-channel Moosbrunn/Austria as always this time) with completely

distorted shreds of audio, away from any similarity with music or speech. (11-May/Ludwig-GER)

**RUSSIA Voice of Russia**, all except English through 31-July:

0000-0100 Spanish 12070 12060 12030 12010  
11630 9830 9810 9775  
9665 9480 9470 9450 7390  
7125 7105

0100-0200 Russian 15595 15520 15455 15425  
15180 13665 12050 12000  
11630 9480 7125

0100-0200 Spanish 12070 12060 12030 12010  
9945 9830 9810 9775 9470  
9450 7390

0200-0300 Russian 15595 15520 15455 15425  
15180 13665 13640 12050  
12000 11630 9895 9890  
9480 7350 7125 6065

0300-0400 Russian 12000 9895 9890 7350  
7125 6065

0300-0400 Spanish 9810 9675 9550 9450 7440  
7420 7390 7330 7310 7230  
7180 6185

0900-1000 German 17670 15455 11745

1000-1100 Chinese 15535K 11730K 9835K  
7420K 7330K 7245K 5940K

1000-1100 Korean 13775K 11970K 11695K  
9875K

1100-1200 Chinese 11730M 11695M 9835M  
7330M 7245M 5940M

1130-1230 Mongolian 11970 9845 7400 Su

1130-1230 Mongolian 11970 9845 Mo-Sa

1200-1300 Chinese 11970 11860 11730 9835

1200-1300 Japanese 11695K 7150K

1200-1300 Korean 9895M

1200-1300 Russian 17685 15550 15525 15510  
15170 11675 9940 9480  
7330 5940

1200-1300 Vietnamese 17795 17570

1300-1400 Chinese 11860 11730 7245

1300-1400 Dari 15560 4975 4940 4730

1300-1400 Hindi 17675 17655 17610 15460  
15170 13615 11845 7510

1300-1400 Japanese 11695M 9895M 7150M

1300-1400 Russian 17685 15550 15525 11675  
11665 9940 9480 7330  
5940

1400-1445 Bengali 17655 15460 11845

1400-1500 Pushtu 7295 4975 4940 4730

1400-1500 Urdu 17610 15560 15170 13615

1445-1500 Nepali 17655 15460 11845

1500-1530 Albanian 15455 15290 11690 9810  
9785

1500-1600 German 15485 12070 12030 12020  
11980 9765 9710 9450  
7330

1500-1600 Hindi 13615 12025 11845 11655  
7510

1500-1600 Persian 11985 9835 5925

1500-1600 Russian 15515 15510 15490 11975  
11850 9675

1500-1600 Turkish 12065 11895 9895 6005

1530-1700 Serbo-Croat 15455 15290 11690 9810  
9785

1600-1700 Arabic 15470 12000 11985 11820  
9975 9835 7325 5935 5925

1600-1700 French 15545 15535 12025 11685  
9710

1600-1700 German 15485 12070 12030 12020  
11655 9450 7330

1600-1700 Hungarian 12070 12060 11980 11745  
7440 7420

1600-1700 Romanian 15465 15125 9480 9470  
7380

1700-1730 Finnish 11675 9820 7290

1700-1800 Arabic 15595 15470 12000 11820  
9975 9860 5925

1700-1800 Bulgarian 15465 15290 15125 11690  
9785 9480 9470

1700-1800 French 15545 12030 12025 12000  
9890 9710 7425

1700-1800 German 15485 12030 9450

1700-1800 Italian 15455 12060 11980 9810

1700-1800 Polish 12020 7330 7310

1700-1800 Russian 12040 11930 9810

1700-1800 Slovak 12070 11745 7440

1730-1800 Norwegian 11675 9820 7290 "every  
other day"

1730-1800 Swedish 11675 9820 7290 "every  
other day"

1800-1900 Arabic 15595 15470 12000 11820  
9975 9945 9835 7325 5925

1800-1900 Czech 12070 11745 7440

1800-1900 French 15545 12030 12020 11970  
9890 9810 9710 7390

1800-1900 German 15485 12060 12030 12020  
9450 7310

1800-1900 Greek 15465 15455 15290 15125  
11690 9785 9470

1800-1900 Russian 15535 15470 12040 11980  
11930 11920 11890 9560  
9480 7355 7310 7255 7185

1900-2000 Arabic 15595 12000 9975 9945  
9835 9785 7325 5925

1900-2000 French 15545 12030 11630 9890  
9810 9710 7390 7310

1900-2000 Russian 15535 15470 15465 15455  
15290 12040 11980 11930  
11920 11890 11745 11690  
9560 9480 7355 7310 7185

1900-2000 Russian 15470 9560 9480 7355  
7310 7185

2000-2100 Russian 15535 12040 11920 11890  
9785

2000-2100 Spanish 12070 12030 11980 9890  
9450

2100-2200 Portuguese 12070 12030 11980 9890  
9450

2200-2300 Portuguese 12070 12060 12010 9810  
9775 9470 9450 7390

2300-2400 Russian 11630 9665 9480 7125

(VOR website/Quaglieri-NY)

<b>Radio Rossii</b>			
0000-0100	7220Y 9820N 11630P 15475M	1700-1800	5905M 5940M 7355S 7445P 9490K 11630P 13705M
0100-0400	5910M 6110M 7220Y 7305S 7365K 9820N 9845P 11630P 11735M 15475M	1800-2100	5905M 5940M 7355S 7445P 9490K 9655I 11630P
0400-0430	5910M 6110M 7220Y 7305S 9820N 9845P 11630P 12020M 15475M	2100-2200	7220Y 9655I 9820N 11630P
0430-0500	5910M 6110M 7220Y 7305S 9820N 9845P 11630P 12020M 12025K 15455M 15475M	2200-2230	7220Y 9820N 11630P
0500-0530	7220Y 9820N 9845P 11630P 12025K 15455M 15475M	2230-2400	7220Y 9820N 11630P 15475M
0530-0600	7105M 7220Y 9720M 9820N 9845P 11630P 11665S 12025K 12065S 13705M 15455M 15475M	<b>Radio 1</b>	
0530-0630	7105M 7220Y 9720M 9820N 11630P 11665S 12025K 12065S 13705M 15455M 15475M	0000-0200	6195S 7120KX 7270SX 9790Y
0630-0700	7105M 7220Y 9720M 9820N 11630P 11665S 12025K 12065S 13705M 15455M 15475M	0200-0230	7120KX 7270SX
0700-0730	7105M 7220Y 9720M 9820N 11630P 11665S 12025K 12065S 13705M 15475M	0230-0300	7120KX 7270SX 9605S 11695Y
0730-0800	7105M 7220Y 9720M 9820N 11630P 11665S 12025K 12065S 13705M 15475M 17660M	0300-0330	7120KX 9605S 11695Y
0800-0830	7105M 7220Y 9720M 9820N 11630P 11665S 12065S 13705M 15475M	0330-0530	7120KX 9605S 11695Y 11990SX
0830-0900	7105M 7220Y 9720M 9820N 11630P 11665S 12035K 12065S 13705M 15475M 17660M	0530-0700	7120KX 9605S 11695Y 11930KX 11990SX
0900-1000	7105M 7220Y 9720M 9820N 11630P 11665S 12035K 13705M 15475M 17660M	0700-0730	7120KX 9605S 11695Y 11930KX
1000-1030	7105M 7220Y 9720M 11630P 11665S 12035K 13705M 17660M	0730-0900	7120KX 9605S 11695Y 11930KX 11940SX
1030-1230	7105M 7220Y 9655I 9720M 9815N 11630P 11665S 12035K 12045P 13705M 17660M	0900-1000	9605S 11695Y 11930KX 11940SX
1230-1300	7105M 7220Y 7445P 9655I 9720M 9815N 11630P 11665S 12035K 12045P 13705M 17660M	1000-1030	9605S 11930KX 11940SX
1300-1330	7105M 7220Y 7445P 9655I 9720M 9815N 11630P 12035K 12045P 13705M 17660M	1030-1300	9605S 9790Y 11930KX 11940SX
1330-1400	7105M 7220Y 7355S 7445P 9655I 9720M 9815N 11630P 12035K 12045P 13705M 17660M	1300-1330	9605S 11930KX
1400-1430	7105M 7220Y 7355S 7445P 9655I 9815N 11630P 12035K 12045P 13705M 17660M	1330-1430	9605S 9850SX 11930KX
1430-1500	5940M 7105M 7220Y 7355S 7445P 9655I 9815N 11630P 12035K 12045P 13705M 17660M	1430-1700	9850SX 11930KX
1500-1530	5940M 7220Y 7445P 7355S 9815N 11630P 12045P 13705M 17660M	2200-2400	6195S 7120KX 7270SX 9790Y
1530-1700	5905M 5940M 7220Y 7445P 7355S 9490K 9815N 11630P 12045P 13705M 17660M	<b>Radio Mayak</b>	
		0000-0200	9500KX 9670KA
		0200-0400	5950A 7335P 7440SX 9500KX 9670KA 9825P
		0400-0430	5950A 7335P 9500KX 9670KA 9825P
		0430-0500	5950A 7335P 9420SX 9500KX 9670KA 9825P
		0500-0530	5950A 7335P 9420SX 9500KX 9670KA 11985P
		0530-0600	5950A 9420SX 9500KX 9670KA 11985P 12005P
		0600-0630	9420SX 9500KX 9670KA 11985P 12005P
		0630-1000	9420SX 9500KX 9610A 9670KA 11985P 12005P
		1000-1030	9420SX 9500KX 9610A 9670KA 11985P
		1030-1100	9420SX 9500KX 9610A 9670KA 11685P 11985P
		1100-1130	9420SX 9610A 9670KA 11685P 11985P
		1130-1200	5900KX 9420SX 9610A 9670KA 11685P 11985P
		1200-1230	5900KX 9420SX 9610A 11685P 11985P
		1230-1300	5900KX 7420KA 9420SX 9610A 11685P 11985P
		1300-1330	5900KX 6015KL 7420KA 9420SX 9610A
		1330-1400	5900KX 6015KL 7420KA 9420SX 9610A 9885P
		1400-1430	5900KX 6015KL 9885P
		1430-1600	5900KX 5920A 6015KL 7345SX 9885P
		1600-1800	5920A 6015KL 7345SX 9885P 15215-Petrozavodsk

1800-1900	5920A 6015KL 7240KA* 7345SX 9885P 15215-Petrozavodsk
1900-2000	5920A 6015KL 7240KA* 7345SX 15215-Petrozavodsk
2000-2100	5920A 6015KL 7240KA* 15215- Petrozavodsk
2100-2200	5920A 7240KA* 15215-Petrozavodsk
2200-2230	9500KX
2230-2400	9500KX 9670KA

\* includes Tikhyy Okean

A=Arkhangelsk I=Irkutsk K=Krasnodar KA=Komsomolsk/Amur KL=Kaliningrad KX=Krasnoyarsk M=Moscow N=Novosibirsk P=St. Petersburg S=Samara SX=Saransk Y=Yekaterinburg (Nikolai Rudnev-RUS + Bueschel/WWDXC TopNews/Bueschel-GER)

4860 kHz—there is no more regional programming from Chita, only *Radio Rossii*. The same situation on 4790 (Ulan Ude, Buryat Republic), no more Buryat Radio, only *Radio Rossii*. (Brazhnikov-Irkutsk DX Club/DSWCI DX Window/van den Boogert-HOL)

*Radio Samorodinka* 101000, Moscow, Centre, Box 898, Shishkin Lev Stepanovich Frequency: 3923 4875 9419 9770 13560 13999 Regular [irregular-AQ] program: 2000-???? 3923 +/- QRM in Russian and English (Russian DX League/DSWCI DX Window/van den Boogert-HOL)

**SAUDI ARABIA** 15170 *Radio Riyadh*, 1400-1600\*, new French lang relay of home sce of MW Jeddah 1485 & Damman 1098. ID announcing as "Radio Riyadh" before signing-off at 1600. Listed by the WRTH as Foreign Language Progr within the dom sces. They briefly announced their EE sce too at 1600 but transmitter then cut off and no other freq on 15 MHz could be heard. EE & FF were listed until early 1990's by the WRTH as using two 9 MHz channels (9705/9720) though not easy to hear here in EUR. (7-May/Green-UK/WWDXC TopNews/Bueschel-GER) v11948.27 BSKSA Riyadh, 1700-1800, AA dom sce, political live interview. Hetting Almaty-KAZ on even 11950. (11-May/Bueschel/WWDXC TopNews/Bueschel-GER) Riyadh observed on NF 17720 with Koran sce, AA 0400 //11935 both good level. Also noted on new 21705 with Ins 1000. Main AA program now extended to 2300 noted on 9555 and 9870. (Bob Padula-AUS, via EDXP, Apr 24-27) BSKSA Riyadh's MW&FM home sce relay in FF on SW now also 0800-1000 on 15235. Persian 1400-1500 11745(x11765). BI 1000-1200 21670 (x21705). HQ AA 0300-0600 17895 (x17720). AA main progr 1200-1500 15275[co-ch DW] (x15060). (14-May/PanView/Pankov-BUL/WWDXC TopNews/Bueschel-GER) In AA on odd freqs around 1600: 9578.68, 9704.19, 11948.27. And ARS/US clandestine stn "Voice of the Iraqi People" against IRQ govt., on v9568.46 at 1300-2300. (21-May/Bueschel/WWDXC TopNews/Bueschel-GER)

## SEYCHELLES FEBA Radio, Z98:

0030-0100	Hindi	6140
0100-0130	Telugu	6140
0132-0217	Tamil	7350
0200-0215	Hindko	9785 Mo/Tu
0200-0215	Siraiiki	9785 Fr-Su
0200-0215	Urdu	11690 Sa-Th
0200-0230	Urdu	11690 Fr
0215-0230	Punjabi	11690 Sa-We
0215-0230	Sindhi	9785 We-Mo
0230-0245	Baluchi	9785 Fr-Su
0230-0245	Pushto	11690
0245-0300	Dari	15555
0245-0300	Dari	11690
0300-0330	Farsi	11690
0315-0345	Swahili	9820 Tu/Fr
0315-0400	Swahili	9820 Sa-Mo/We/Th
0345-0430	Arabic	11695
0400-0415	Portuguese	9455 Th
0400-0430	Portuguese	9455 Fr-We
0430-0500	Dari	15555 Fr
0500-0558	Tagalog	15555 Su
0530-0600	Sinhala	15555 Fr
0815-0830	Malayalam	15540 Su
0815-0900	English	15540 Fr
0815-0900	Telugu	15540 Sa
0830-0845	Badaga	15540 Su
0845-0900	Tamil	15540 Su
0915-0930	French	15430
1000-1058	Tagalog	15540 Fr
1100-1130	Arabic	15540
1145-1200	Nepali	15445 Mo/Tu
1145-1200	Tsangla	15445 Sa/Su
1200-1205	Creole	11675
1200-1230	Tibetan	15445
1205-1220	French	11675
1230-1245	Bhojpuri	15445 We/Fr/Sa
1230-1245	Mundari	15445 Su-Tu
1230-1245	Nagpuria	15445 Th
1245-1300	Bhili	15445 Sa
1245-1300	Chattisgarhi	15445 Mo
1245-1300	Marathi	15445 Sa
1245-1300	Marwari	15445 Fr
1245-1300	Punjabi	15445 Tu-Th
1300-1315	Chattisgarhi	15445 Fr/Sa
1300-1315	Kui	15445 Su/Tu
1300-1315	Oriya	15445 Mo/We/Tu
1300-1330	Malayalam	11675
1300-1330	Tamil	9785
1315-1330	Gujarati	15445
1330-1400	Sinhala	9810
1400-1415	Urdu	11600 Su-Th
1400-1443	Urdu	9810
1400-1445	Bangla	15445 Su
1400-1500	Hindi	11600 Fr
1415-1445	Bangla	15445 Mo-Sa
1415-1500	Hindi	11600 Sa-Th
1443-1458	Hindko	9810 Th-Sa
1443-1458	Urdu	9810 Su
1500-1515	Badaga	7270 Mo/Tu
1500-1515	Konkani	7270 We/Sa

1500-1515	Tulu	7270 Th/Fr	1510-1525	Makua	7315
1500-1530	English	11600 Tu/Su	1510-1555	Malagasy	7175
1500-1530	Kannada	7270 Su	1525-1540	Lomwe	7315
1500-1545	English	11600 Su/Mo	1527-1542	Yao	7265M
1515-1530	Kannada	7270 Mo/Sa	1540-1555	Kimwani	7315 Sa/Su
1530-1545	Nuer	11745 Fr-Mo	1540-1555	Tigrigya	9500 Su/Fr
1530-1600	Farsi	11675	1540-1555	Lomwe	7315 Mo-Th
1545-1600	Dinka	11745 Fr-Mo	1540-1555	Portuguese	7315 Fr
1600-1615	Hazaragi	11675	1542-1557	Sena	7265M
1600-1615	Makondi	11745 Tu-Su	1600-1630	Kinyarwanda	9860M(alt 9530) Sa
1600-1630	Amharic	11640 Fr-Su	1600-1630	Kirundi	9860M(alt 9530) Su-Fr
1615-1630	Dari	11675	1600-1630	Chewa	5965 We-Mo
1615-1630	Guragena	11640 Mo-We	1600-1630	French	9860M Su
1615-1700	Swahili	9810 Th	1600-1630	Tshwa	4760 Mo-Fr
1615-1700	Swahili	9810 Fr-We	1600-1630	Tumbuka	5965 Tu
1630-1700	Amharic	11640	1600-1630	Shangaan	4760 Su
1700-1730	Oromo	11640 Su	1600-1700	Portuguese	4760 Sa
1700-1730	Somali	11745	1600-1830	English	9500
1700-1730	Somali	9810	1630-1645	Portuguese	4760 Mo-Th
1800-1830	Tamil	11745 Fr	1630-1645	Shangaan	4760 Su/Fr
1830-1845	Azeri	9455 Fr-Su	1630-1658	Chewa	5965
1830-1900	Malayalam	11745 Fr	1630-1700	Tigrigya	11955M
1833-1848	French	9500 Tu/We	1630-1700	German	3200
1833-1903	French	9500 Th-Mo	1630-1700	Borana	9860M(alt 9530) Mo
1900-1945	Arabic	9455	1630-1700	Oromo	9860M(alt 9530) Tu-Su
(FEBA/Ferguson-VOA + Dasgupta-IND/DSWCI DX-Window/van Den Boogert-HOL)			1640-1655	Somali	9650M
<b>SOMALIA R. Hargeisa</b> 6860 1836 flute mx, M speaker in vernacular lang. At 1843 fragment of presumed Somali equivalent of military march, followed by M speaker, mentioning Somaliland. Koran prayer at 1855 and silent at 1858. (18-May/Schaay-HOL)			1657-1713	Shuwa	9650M Mo-We
<b>SOUTH AFRICA</b> 12135 <i>TWR</i> Meyerton relay, 1706, up from scheduled 12130 in presumed Swahili; ID in EE at 1728, followed by several IS. IDs in EE, FF, GG, It at 1730. Site QTH presumed. (10-May/Hill-MA)			1657-1713	Juba	9650M Th-Sa
<b>SWAZILAND Trans World Radio (TWR) Manzini</b>			1657-1727	Arabic	9650M Su
0300-0330	Ndebele	3200	1700-1715	Sotho	3200 Fr
0300-0330	Swahili	5965	1700-1715	Tswana	3200 Sa
0300-0345	Shona	3240	1700-1715	English	3200 Mo-Th
0330-0345	Swahili	5965 Sa	1700-1715	Pedi	3200 Su
0330-0400	Amharic	7215M Sa/Su/We	1700-1730	Tigrigya	9860M(alt 9530)
0330-0400	Oromo	7215M Th/Fr	1700-1745	Swahili	5965
0330-0400	Tigrinya	7215M Mo/Tu	1713-1728	Arabic	9650M Sa
0342-0358	Lomwe	4775	1715-2015	English	3200
0400-0430	German	4775 3200	1730-1800	Amharic	9860M(alt 9530)
0400-0430	Chewa	6040 Sa/Su/Mo/We/Th	1745-1800	Swahili	5965 Sa/Su
0400-0430	Tumbuka	6040 Tu/Fr	1800-1815	Amharic	9860M(alt 9530) Mo-Th
0430-0500	Chewa	6040	1800-1830	Ndebele	3240
0430-0505	English	4775 3200	1803-1833	Fulfulde	9510M
0505-0605	English	9500 4775 3200	1830-1900	Shona	3240
0605-0700	English	11730(M to 0630) 9500	1830-1900	Bambara	9680M
0700-0735	English	6100 4775	1833-1903	Hausa	9510M
0735-0805	English	9500 6100 4775	1845-1900	Umbundu	6130
1400-1415	Urdu	15330	1900-1915	Lunyaneke	6130 Sa
1435-1440	Portuguese	7315 Mo-Fr	1900-1915	Kikongo	6130 We-Fr
1440-1510	Portuguese	7315	1900-1915	Ndau	3240
1440-1510	French	7175	1900-1915	Portuguese	6130 Mo/Tu
			1900-1930	Portuguese	6130 Su
			1900-1930	Lingala	9525
			1900-1930	Baoule	9680M
			1903-1933	English	9510M
			1915-1930	Luchazi	6130 Sa
			1915-1945	Portuguese	6130 Mo-Fr
			1930-1945	Chokwe	6130 Sa/Su
			1930-2000	French	9680M 9525
			1933-2003	Nupe	9510M
			1945-2000	Kimbundu	6130

2000-2005	Portuguese	6130 Mo-Fr
2000-2015	French	9525 Sa/Su
2003-2033	Twi	9510M

M=via Meyerton, South Africa (BBCM)

#### SWEDEN *Radio Sweden*

0000-0030	Swedish	9440
0100-0130	Swedish	11985-alt 9435 7290
0130-0200	English	11985 9435
0200-0230	Swedish	9495
0230-0300	English	9495 7135-alt
0300-0330	Swedish	11665-alt 7115
0330-0400	English	11665-alt 9475
0400-0430	Swedish	9475
0400-0605	Swedish	13625-alt 9495 6065 Mo-Fr
0600-0800	Swedish	13625 9495-alt 6065 Sa
0700-0900	Swedish	13625 9495-alt 6065 Su
1000-1010	Swedish	17515 9490 6065 Mo-Fr
1000-1030	Swedish	17515 9490 6065 Sa/Su
1030-1040	Swedish	21810 17870-alt 17515 15240 Mo-Fr
1030-1100	Swedish	21810 17870-alt 17515 15240 Sa/Su
1130-1200	Swedish	15240
1130-1200	English	17870 15235
1200-1230	Swedish	21810 17870
1200-1230	Russian	15240
1230-1300	English	15240 13740
1300-1330	Russian	15240 11935
1330-1400	English	17515-alt 15240 13740
1400-1430	Swedish	17515-alt 15240 13805
1430-1445	Estonian	6065 6000
1445-1500	Swedish	17870-alt 15240 6065 6000
1500-1545	Swedish	6065
1545-1600	Swedish	21810-alt 17515 13830 6065 Sa/Su
1545-1615	Swedish	21810-alt 17515 13830 6065 Mo-Fr
1600-1615	Estonian	6065 Su
1630-1700	Russian	6065
1645-1700	Latvian	6200 5965-alt
1700-1715	Estonian	6065 Mo-Sa
1700-1800	Swedish	6065 Su
1715-1730	Latvian	6065 Mo-Sa
1730-1800	English	15735 13855-(Su only) 6065-(not Su)
1800-1830	Swedish	15315 13830 6065
1830-1900	German	6065
1900-1930	Russian	9590 6065-(not Su)
1900-1930	German	6065 Su
1930-2000	English	6065
2000-2030	Swedish	13830 6065 Sa/Su
2000-2100	Swedish	13830 6065 Mo-Fr
2030-2100	English	13830 6065 Sa/Su
2100-2130	Swedish	9430 6065
2130-2200	English	9430 6065

(BBCM)

**TAJIKISTAN** Summer sked for the International Service of *Radio Tajikistan*: Dari 1400-1500, Persian 1500-1600, Dari 1600-1645, EE 1645-1700, AA 1700-1715, Persian 1715-1800. Progrs are repeated

on the following morning: Dari 0100-0200, Persian 0200-0300, Dari 0300-0345, EE 0345-0400, AA 0400-0415,\* Persian 0415-0500. All on 7245. (11-May/Padula-AUS/EDXP)

**TANZANIA** 5985 *R.Tanzania*, 1702-1716 with Swahili nx //5050 and 11734, 1714 usual ID as "R.Tanzania Dar-es-Salam" (19-May/Timofeyev-RUS/DSWCI DX Window/van den Boogert-HOL) Fair reception at 1905 with slow mx, ID at 1915 followed by M&W political, 2000 TPs, world nx. (20-May/Vaghjee-MAU/DSWCI DX Window/van den Boogert-HOL)

**TUNISIA** *ERTT* current observed schedule, all in Arabic:

0400-0500	7225 15535.2v
0500-0600	7225 12005.6v 15535.2v
0600-0700	7225 12005.6v 15535.2v 17735.2v
0700-1600	11730 12005.6v 15535.2v 17735.2v
1600-1900	7281v 11730 12005.6v
1900-2320	7225 7281v 12005.6v

(14-15-May/Timofeyev-RUS/NERRS)

#### TURKEY *Voice of Turkey*

0000-0300	Turkish	13660 11970 11885 9460 9445 5980 5960
0300-0400	English	9655 7270
0300-0400	Turkish	11970 11885 9460 9445 5980 5960
0400-0700	Turkish	21715 15375 15145 11955 9565 9540 9460 9445
0700-0900	Turkish	21715 15350 15145 11955 9565 9460
0730-0830	Azeri	15130 11835
0830-0930	Persian	17705
0900-1100	Arabic	13760 13710
0900-1200	Turkish	21715 15430-(Fri only- from 1000) 15350 11955 9460
0930-1000	Romanian	9630
0930-1030	Serbo-Croat	11920
1030-1130	Greek	9770 7150
1100-1200	Chinese	17745
1130-1230	Albanian	11910
1130-1230	Bulgarian	7110
1200-1300	Urdu	13725
1200-1300	Turkish	15350 11955 9460
1230-1330	English	15290 15185 11995
1300-1400	Russian	11965
1300-1500	Turkish	15350 13655 11955 9460
1330-1430	German	13755
1400-1500	Azeri	11865
1400-1600	Arabic	13640 9515
1430-1530	Greek	7110
1500-1600	Turkish	15350 13655 11955 9460 5980
1530-1630	Hungarian	9655
1600-1630	Georgian	6130
1600-2100	Turkish	9560 9540 9460 7195 5980 5960

1630-1700	Macedonian	7160
1630-1700	Tatar	13665
1700-1800	Russian	9675
1730-1830	German	9615U 9445
1800-1900	Serbo-Croat	6135
1830-1930	English	11765U 9445
1930-2030	French	11765U 11620 7175
2030-2130	English	7210
2100-2200	Turkish	9560 9540 9460 9445 7195 5980 5960
2200-2300	English	9655 7190
2200-2300	Turkish	11970 11885 9460 9445 5980 5960
2300-2400	Turkish	11970 11885 9460 9445 5980 5960

(BBCM)

**Turkish Police Radio** 0400-1600 heard on odd 7371.6 (x nominal 7370). (12-Apr/Pankiew-BUL/WWDXC TopNews/Bueschel-GER)

**UKRAINE Radio Ukraine International 798:**

0000-0100	English	12050 12040 9945 9550 7240 7180 6020 5915 5905
0000-0100	German	7420 7410 7290 7180 6080 6020 5915 5905
0000-0100	Ukrainian	12040 9945 9550
0100-0200	Ukrainian	12040 9945 9550 7290 7240 7180 6020 5915 5905
0200-0300	Ukrainian	13590 12040 9945 9550 7180 6080 6020 5905
0300-0400	English	13590 12040 9550 7410 6080 6020
0400-0500	Ukrainian	13590 9550 7410 7320 7150 6080 5905
0500-0600	Ukrainian	17725 7410 7320 7150 6080 6020 5905
0600-0700	Ukrainian	17725 13590 11705 7410 7320 7150 6020 5905
0700-0800	Ukrainian	17725 13590 11705 7410 7320 7150 6020 5905
0800-0900	Ukrainian	17725 15520 13590 11705 7410 7320 6090 5020 5905
0900-1000	Ukrainian	17725 15520 13590 12040 11840 11705 9620 9600 7410 7320 7150 6090 6020
1000-1200	Ukrainian	17725-(to 1100) 15520 15220 13590 11840 11705 9600 7410 7320 7150 6090 6020
1200-1300	Ukrainian	21510 15520 13590 12050 11840 9600 7410 7320 7150 6090 6020
1300-1400	Ukrainian	21510 15520 13590 12050 11840 9600 7410 7320 7150 6090 6020
1400-1500	Ukrainian	21510 15520 13590 12050 11840 9560 7410 7320 7150 6080 6020
1500-1600	Ukrainian	21510 15520 13590 12050 11840 9600 9560 7410 7320 7150 6080 6020

1600-1700	Ukrainian	21510 15520 13590 12050 11840 9600 9560 7410 7320 6080 6020
1700-1800	German	15520 13590 11705 9560 7410 7320 6020
1700-1800	Ukrainian	12050
1800-1900	Ukrainian	13590 12050 11705 9560 7410 7380 6080 6020
1900-2000	Ukrainian	13590 12050 9560 7410 7380 7240 6020
2000-2100	German	13590 11705 9560 7410 7380 7240 6080 6020 5905
2000-2100	Ukrainian	7380
2100-2200	English	13590 12040 9560 9550 7410 7380 7180 6080 6020 5905
2200-2300	Ukrainian	12040 9560 9550 7410 7380 7240 6080 6020 5915 5905
2300-2400	German	9560 7410 7240 7180 6080 6020 5915 5905

(DSWCI DX-Window/van Den Boogert-HOL)

**UNITED ARAB EMIRATES UAE Radio, Abu Dhabi** current observed schedule (the 6 and 7 MHz freqs are not in use from May 3):

0200-0400	9605 15315 17770 21630
0400-0500	9605 21630 21735
0500-0600	13755 21630 21735
0600-0700	13755 17885 21735
0700-0900	13755 17885 21630
0900-1100	13755 17770 17885 21630
1100-1300	13755 17885 21630 21735
1300-1500	11710 13755 17885 21630
1500-1600	11710 13755 15265 21630
1600-1700	13755 21630
1700-2200	9605 13605 15265 15315

(14-15-May/Timofeyev-RUS/NERRS)

**UAE Radio and Television (Dubai)**

0200-0330	Arabic	15400 13675 12005
0330-0400	English	15400 13675 12005
0400-0530	Arabic	21700 17830
0530-0600	English	21700 17830
0600-1030	Arabic	21605 15395 13675
1030-1110	English	21605 15395 15370 13675
1110-1200	Arabic	21605 15395 15370 13675
1200-1330	Arabic	21605 15395 13675 13630
1330-1400	English	21605 15395 13675 13630
1400-1600	Arabic	21605 15395 13675 13630
1600-1640	English	21605 15395 13675 13630
1640-2050	Arabic	15395 15315-(alt) 13675 13630 11795

(BBCM)

**UNITED KINGDOM Sunrise Radio**, a London based commercial radio station, aimed at Asian listeners, began testing on shortwave in March 1998. It commenced a regular shortwave service via a hired Deutsche Telekom transmitter in Germany, in April 1998. Most programming on shortwave is in parallel with the London mediumwave frequency,

except for a separate breakfast program "Sunrise UK" from 0600-0900.

0600-2000 Multilingual 5850-Germany  
(BBCM)

15365, *The Media Zoo*, 1340 Per Gary Otteson's unID in swltalk list, tuned in to hear pop mx and live coverage of the Cable and Satellite Show 1998. ID'ed as "The Media Zoo on Merlin Network One via CMR." At 1400 Bucharest came up in AA on frequency, and Media Zoo moved to 15360. Excellent signal on both frequencies. (18-May/Novello-NC)

#### USA KNLS

0800-0900 English 9615  
0900-1000 Russian 9615  
1000-1100 Chinese 9615  
1100-1200 Russian 6150  
1200-1300 Chinese 7365  
1300-1400 English 7365  
1400-1500 Chinese 9615  
1500-1700 Chinese 7355  
1700-1800 Russian 9615

(BBCM)

#### WGTG, McCaysville Georgia

0000-0500 English 5085 Tu-Su  
1000-2300 English 9400 Mo-Sa  
2300-0000 English 5085 Mo-Sa

(BBCM)

13595.11 *WJCR* (p) noted here w/nonstop country music @1016, by recheck @1820 had drifted down to 13595.09. Doesn't FCC require tight freq regulation? (27-May/Quaglieri-NY) [what a stupid question...there is no more FCC...AQ]

#### WYFR—Family Radio

0000-0100 Spanish 17845 17750 15215  
11855 9715 5985  
0000-0100 Portuguese 17805 17725 15130  
0000-0100 Hindi 11550T  
0000-0100 English 9505 6085  
0000-0100 French 15255  
0100-0200 Portuguese 17725  
0100-0200 English 11550T  
0100-0200 Spanish 17750 15255 11855  
9715 5985  
0100-0500 English 9505 6065  
0200-0300 Spanish 15255 11855 9715 5985  
0300-0400 German 9985  
0300-0400 Russian 9355 7355  
0300-0500 Spanish 11855 9715 5985  
0400-0500 Portuguese 15170  
0400-0500 Russian 9355  
0400-0500 German 11580 7355  
0400-0500 English 9985  
0500-0600 German 9355 7355  
0500-0600 English 11580 9985  
0500-0600 Arabic 15170 13695  
0500-0600 Spanish 11855 9705  
0500-0700 English 5985  
0600-0700 Italian 11580 7520

0600-0700 French 15170 13695 9355  
0600-0700 English 7355  
0700-0800 Italian 9355  
0700-0800 English 13695 9985 7355  
0800-0900 Portuguese 11770 9605  
0800-1000 Spanish 11855 9550  
0900-1000 Portuguese 11770 9625 9605 6175  
1000-1100 French 11970 9625  
1000-1100 Spanish 11855 9550 6175 6085  
1000-1100 English 5950  
1100-1200 English 5950 5850  
1100-1200 Spanish 13695 11970 11725  
9605 9370 6085  
1100-1200 French 9505  
1102-1200 Chinese 9280T 6300T  
1200-1300 English 17750 6015 5950 5850  
1200-1300 French 13695  
1200-1300 Spanish 15145 15130 11970  
11725 6085  
1200-1300 Chinese 9280T 6300T  
1300-1400 Spanish 15145 15130 11725 6085  
1300-1400 English 17750 13695 11970  
11830  
1300-1500 Chinese 9280T 6300T  
1302-1502 English 11550T  
1400-1500 English 17750 11970 11830  
1400-1500 Spanish 15130  
1500-1600 English 17750 11830  
1500-1602 Chinese 9280T 6300T  
1505-1705 Russian 9955T  
1510-1610 Hindi 11550T  
1600-1700 English 17750 11830 11705  
1600-1700 English 21525 17555 15695  
1600-1700 Arabic 15565  
1700-1800 Russian 17750 15600  
1700-1800 German 15565  
1700-1800 English 17555 15695  
1700-1800 Arabic 21525  
1800-1900 French 21525 17750 15600  
1800-1900 Italian 15715  
1800-1900 Arabic 13710-uk  
1800-2000 English 15695  
1900-2000 Portuguese 21525  
1900-2000 German 17555 15715  
2000-2100 French 21725 17750  
2000-2100 English 17845 17555 15645  
2100-0000 Chinese 9280T 6300T  
2100-2200 Italian 17555 15715  
2100-2200 English 17845 15695 15215  
2200-0000 English 11855  
2200-0000 Chinese 9630T 9280T 6300T  
2200-2300 Spanish 11740 5985  
2200-2300 Spanish 15715 15695  
2200-2300 English 17845 15215  
2200-2300 Portuguese 15130  
2300-0000 Spanish 17845 17750 15215  
11740 5985  
2300-0000 French 15255 6085  
2300-0000 Portuguese 17725

(BBCM)

**VATICAN CITY Vatican Radio**

0030-0100	Portuguese	9605 7305	1100-1130	Portuguese	21850 17700
0040-0100	Hindi	9650 7335	1130-1200	Mass-EE	17550 15595 Fr
0100-0120	Tamil	9650 7335	1130-1200	Spanish	21850 17700 Mo-Fr
0100-0130	Spanish	11910 9605 7305	1200-1230	Italian	21850 15595 11740
0120-0140	Malayalam	9650 7335 5980			9645 5883v
0140-0200	English	9650 7335 5980	1230-1300	Russian	17550 15595
0145-0230	Spanish	11910 9605 7305	1230-1315	Chinese	17630 15585 6020 Su-Fr
0210-0230	Armenian	9645 7345	1230-1315	Mass-Chinese	17630 15585 6020 Sa
0230-0245	Albanian	5883v 4005	1300-1400	SS/PP	11740 9645
0230-0250	French	9605 7305	1315-1345	Japanese	15540 13765 11625
0230-0300	Russian	9645 7345 6185	1345-1405	English	15540 13765
0240-0310	French	7360	1400-1430	GG/Polish	11740 9645 5883v
0245-0300	Slovene	5883v 4005	1405-1450	Vietnamese	15540 13765
0250-0310	English	9605 7305	1430-1500	Italian	9645 7250 5883v Fr
0300-0315	Croatian	5883v 4005	1430-1500	Music	9645 7250 5883v Sa-Th
0300-0320	Ukrainian	7345 6185	1450-1510	Hindi	15500 13765
0310-0340	English	9660 7360	1500-1530	Rel-vespers	9645 7250 5883v
0315-0330	Czech	5883v 4005	1510-1530	Tamil	15500 13765
0315-0400	Spanish	9605 7305	1530-1550	Malayalam	15500 13765
0320-0340	Belarusian	7345 6185	1530-1600	Italian	7250 5883v
0330-0345	Slovak	5883v 4005	1530-1600	Arabic	15595 11810
0340-0400	Lithuanian	7345 6185	1550-1610	English	15500 13765 Su-Fr
0340-0405	Swahili	11625 9660 7360	1550-1610	Armenian	15185 11715
0345-0400	Hungarian	5883v 4005	1550-1620	Mass-English	15500 13765 Sa
0400-0420	Polish	7250 5883v 4005	1600-1630	FF/EE	11810 9645 7250 5883v 4005
0400-0420	Latvian	7345 6185	1610-1630	Swahili	17550 15570 Su-Fr
0400-0430	Arabic	11715 9645	1610-1640	Russian	15185 11715 9585
0405-0430	Amharic/Tigre	11625 9660	1620-1635	Somali	17550 15570 Sa
0420-0440	Romanian	7345 6185	1630-1645	Albanian	7250 5883v 4005
0420-0440	German	7250 5883v 4005	1635-1700	Amharic/Tigre	17550 15570
0430-0500	French	11625 9660	1640-1700	Ukrainian	11715 9585
0440-0500	French	7250 5883v 4005	1645-1700	Slovene	7250 5883v 4005
0440-0500	Bulgarian	7345 6185	1700-1715	Croatian	7250 5883v 4005
0500-0520	English	7250 5883v 4005	1700-1720	Belarusian	11715 9585
0500-0530	English	15570 11625 9660	1700-1730	French	17550 15570
0500-0615	Scandinavian	9645 7345	1715-1730	Hungarian	7250 5883v 4005
0520-0530	Italian	7250 5883v 4005	1720-1740	Lithuanian	11715 9585
0530-0600	Mass-Latin	7250 5883v 4005	1730-1745	Czech	7250 5883v 4005
0530-0600	Portuguese	15570 13765 11625	1730-1800	English	17550 15570 13765
0600-0630	French	13765 11625	1740-1800	Latvian	11715 9585
0600-0645	Ital/FF/EE	7250 5883v 4005 Mo-Sa	1745-1800	Slovak	7250 5883v 4005
0610-0645	Mass-Romanian	9645 7250 Su	1800-1820	Polish	9645 7250 5883v 4005
			1800-1820	Romanian	7225 6185
0615-0745	Mass-Ukrainian	11740 9770 Su	1800-1840	Portuguese	17550 17550 15570 13765
			1820-1840	Bulgarian	7225 6185
0630-0700	English	15570 13765 11625	1820-1840	German	9645 7250 5883v
0645-0700	Arabic	15595 11740 9645 5883v Mo-Fr	1840-1900	Rel-rosary	11625 9645 7250 5883v 4005
0730-0830	Mass-Italian	9645 7250 Su			
0830-1000	Mass-Oriental	17550 15595 11740 Su	1840-1900	Rosary	7225 6185
0900-1000	Papal Audience	5883v We	1900-1920	Italian	5883v 4005 Su
			1900-1930	Italian	5883v 4005 Mo-Sa
1000-1015	Rel-angelus	21850 15595 11740 9645 5883v Su	1900-1940	Spanish	11625 9660 Sa
			1900-2000	Scandinavian	7250 6185 Th-Tu
1000-1030	English	9645 5883v [+ a freq my computer ate! Sorry!-AQ]	1920-1930	Esperanto	5883v 4005 Su
			1920-2000	Esperanto	7250 6185 We
1015-1100	Italian	5883v Su	1930-1950	French	9645 7250 5883v 4005
1030-1050	French	11740 Sa	1940-2000	Rosary	13765 11625 9660
1050-1130	Spanish	11740 Sa	1950-2010	English	9645 7250 5883v 4005
			2000-2020	Russian	9585 7305

2000-2030	English	13765 11625 9660
2010-2030	Spanish	9645 7250 5883v 4005
2030-2045	Portuguese	9645 7250 5883v 4005
2030-2100	French	13765 11625 9660
2045-2100	Arabic	9645 7250 5883v 4005
2100-2210	Italian	5883v 4005
2130-2200	Japanese	9600 7310
2200-2245	Chinese	11830 9600 7305
2245-2315	English	11830 9600 7305
2315-0000	Vietnamese	9600 7305

(BBCM)

**YUGOSLAVIA** Radio Yugoslavia's main transmitting site is at Bijeljina in the Bosnian Serb part of Bosnia-Herzegovina.

0000-0030	English	11870 9580 Mo-Sa
0000-0030	Serbian	11870 9580 Su
0030-0100	Serbian*	11870 9580
0430-0500	English	11870 9580
1430-1500	Arabic	15175 11800
1500-1530	Russian	11870 11755
1530-1545	Hungarian	6100 Mo-Fr
1545-1600	Greek	6100 Mo-Fr
1600-1630	French	11800 9620
1630-1700	German	7215 6100
1700-1715	Albanian	6100 Mo-Fr
1715-1730	Bulgarian	6100 Mo-Fr
1800-1830	Russian	7165 6100
1830-1900	English	9720 6100
1900-1930	Spanish	7220
1900-1930	English	7230
1930-2000	Serbian	7230 6100
2000-2030	Serbian	7230 6100 Sa
2000-2030	German	7230 6100 Su-Fr
2030-2100	French	6185 6100
2100-2130	English	6185 6100
2300-2330	Spanish	9720 9620(9605?)
2330-0000	Serbian	11870 9580

\*=rebroadcasts RTS HS (BBCM)

**UNIDENTIFIED** 7159.82, AA stn at arnd 0340-0700. Very weak, blacked out by BBCWS-ASC from 0358. After 0600, completely illegible (traced by picture on scope). Surely the same stn observed arnd 1700-1800. Also QRMed badly. (17-May/Titarev-UKR/NU/WWDXC TopNews/Bueschel-GER)

**BROTHER STAIR** The recent move of Deutsche Telekom, Jülich, to an additional frequency of 3945 in the 75 metre band has attracted world wide interest. Official primary allocations for this band are as follows:

3900-3950: Region 1 Aeronautical Mobile; Region 2 amateur, Fixed, Mobile (except Aeronautical Mobile) Region 3 Aeronautical Mobile, Broadcasting

3950-4000: Region 1 Broadcasting, Fixed; Region 2 amateur, Fixed, Mobile (except Aeronautical Mobile) Region 3 Broadcasting, Fixed

Until recently, European broadcasters (Region 1) did not venture into the range 3900-3950, with that spectrum being used by broadcasting stations in Region 3 (mainly Asia, The Far East, Australia). The German operation is now co-channel with transmitters in India, Indonesia, Japan, and Vanuatu. (Padula-AUS/EDXP)

KA2RAF Chris sent three emails to Brother Stair complaining about the use of 3945, and received the following responses, reproduced verbatim:

1st response: "The station is not a pirate station and it has been cleared to run from one of the most respected station in germany and the target is europe., That is the truth and it is not illegal. Amazin but many of the ham operators tell me that this 3.945 has many that mocks god and they are happy that the Overcomer does come in. I will pray for you. The jamin does me no harm as as I say the target is europe and it comes in loud and clear there. The Overcomer. Jesus is coming and what a time to be caught messing with a ham radio."

2nd response: "We are broadcasting t Europe on that very good and cleared frequncery. I am not nterfering with any one. Let them hear or change. This is paid broadcast that is being done with and from a german station that uses that frequncery much. I am responding to you a christin and a ham operator whay do you not want the word of God heard even among many on that band that reject God and truth."

3rd response: "Not tryingto save souls and The target is from Germany with a undirectional atn and the target is Europe and what is wrngwith you that you did not read you manuel on Ham radio requirements...You are to move if the band is used by a commercial broadcaster. We are not trying to reach the US with this and do not expect any resultls but just this money recived a good letter from some one that sis hear and gave a offering. Glory to God. Did you say you were a christian?—RG Stair overcomer@lowcountry.com"

As a ham, an SWL, and someone who thinks there are already WAY too may religious operations on shortwave, I have registered my objections to this operation with the German telecommunication authority. Should you wish to do the same, address and email follows-AQ.

Regulatory Authority for Telecommunications and Posts (Reg TP)

Office address: Heinrich-von-Stephan-Str. 1  
53175 Bonn Federal Republic of Germany Postal address: Postfach 80 01 53105 Bonn Federal Republic of Germany

Fax +49 228 14-8872

Telephone +49 228 14-0

E-mail: poststelle@regtp.de



# Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: clobdell@mediaone.net

## MV Electra Going To St. Kitts?

As many of our regular readers know, we at *THE PIRATE RADIO REPORT* had been keeping an eye on the latest radio ship, the MV Electra which was being outfitted in East Boston, MA.

Well, the ship left Boston sometime in March. Allan Weiner has finished his part of the project and the rest of the project is being overseen by disbarred lawyer, Dr. Scott Becker.

Thanks to our friend, Anita McCormick, we have learned that the Electra is currently in Savannah, GA undergoing some last minute repairs. It was reported in one of Glenn Hauser's radio programs that the destination is to be St. Kitts. Ms. McCormick knows the destination, but has been instructed to keep it under wraps for the time being. As soon as we know anything more, it will be published here.

## Pirate Radio Publications

It has been a while since I've had the chance to publish a list of various newsletters dealing with pirate radio, so here's an updated list.

*The ACE [Association Of Clandestine Radio Enthusiasts]* is a monthly publication specializing in pirate radio. It is published in a booklet format. Loggings are edited by Joe Filipkowski, QSLs by John T. Arthur and clandestine information is by George Zeller. The bulletin is published by president Pat Murphy along with the help of Steve Rogovitch.

Current subscription rates in the USA are \$21.00. Write to Box 12112, Norfolk, VA 23541-0112.

The *FREE RADIO WEEKLY*, is an email only publication specializing in North American pirate radio, co-edited by yours truly and Toronto DXer Niel Wolfish. The cost is free to active participants. For a sample issue, email to clobdell@mediaone.net

*The PIRATE PAGES*, is a bi-weekly publication that is edited by Andy Yoder. Most of the information contained in it comes from the Free Radio Weekly. It is distributed free by email or by mail to subscribers. Write to Box 109, Blue Ridge Summit, PA 17214.

## Loggings...

I want to thank our faithful contributors William Wilkins of MO and Dave Krause of OH for another batch of fine logs. Remember that if the frequency isn't mentioned, it is 6955 kHz USB.

**FREE HOPE EXPERIENCE** was heard on April 19th at 0327 UTC hosted by Major Spook, featuring rock music, UFO information, parody Ads. Another show was heard on April 25th at 0242 UTC with greetings to many listeners. [Wilkins-MO]

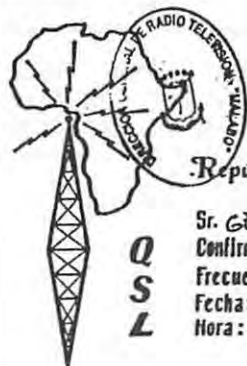
**WACK** is another new station to pop up. They were heard on May 11th at 0153 UTC. It was a live show in which they announced a toll free 888 number to call in and leave reception reports. Although they don't have a maildrop, reception reports can be emailed to: wackradiomail@juno.com. [Krause-OH]

**WREC-RADIO FREE EAST COAST**, was heard with their Fifth Anniversary broadcast on the 2nd of May at 2350 UTC. The program featured parody Ads and rock music hosted by P.J. Sparx.

Don't forget to vote for your three favorite pirates! Until next month, Happy Pirate DX!

# QSL Report

Sam Barto  
47 Prospect Place  
Bristol, CT 06010



## Radio Nacional Malabo República de Guinea Ecuatorial

Sr. **GEORGE MAROTJ**

Confirmamos su control de recepción

Frecuencia: **6250-KHz-UTC**

Fecha:

**17-10-97**

Hora:

**21:00 a 02 horas**

### ANTIGUA: Deutsche Welle

9700 f/d cd. in 82 ds after an E-mail rpt. v/s B. Klaumann, Transmission Manager. (Eramo-ARG). **BBC** 5975 f/d ltr. from Caribbean Relay Co. in 5 wks. for \$1.00. v/s Philip Bell. (Raymond-NH).

### ARGENTINA: RAE 11710 f/d

"Logo" cd. w/ a very nice personal ltr. in 40 ds. for 2 IRCs. v/s Mercedes Naltero, Perla Damuri and John Middleton. (Owsley-CA).

### ARGENTINA (Pirates):

\* Radio Pasteur 6950 via

Radio Cochiquaz f/d project info. in 91 ds. v/s Emilio Carbonell and Claudio Morales. Addr: Casilla 1852, 1000 Buenos Aires. (Eramo-ARG).

\* Jolly Roger Radio International 6979 via Radio Cochiquaz f/d cd. w/ ltr., post card in 56 ds. for 2 IRCs. v/s Joe Vincent. (Eramo-ARG).

ARMENIA: Radio Free Asia 7550 via Kamo f/d ltr. w/o site in 336 ds. for ms. Sticker rcvd. (Buer-FL). 7550 and 11510 same in 2 mo. w/ sticker.

AUSTRALIA: Radio Australia 12080 via Brandon f/d cd. in 12 ds. (Barto). for an E-mail rpt. (Neal-TX).

BOSNIA-HERCEGOVINA: Radio Television Bosne 1 Hercegovine 7105 f/d sheet

\* w/ 2 prepared cds. (signed and stamped) in 41 ds. after a f/up rpt. v/s Joto Talajii. I sent an SASE (used) - the reply was via registered airmail. (Kusalik-ALB). Radio Yugoslavia 7115 via Bijeljina f/d cd. in 2 mo. (Hosmer-MI).

BRASIL: Radio Difusora Roraima 4875 f/d cd. in 116 ds. after a f/up rpt. in PT. v/s Pedro M.C. de Castro. (Neal-TX). f/d "ham" QSL cd. w/ a 3 page ltr. in 1 mo. for a PT rpt. v/s Galvao Soares, Director Geral. (Bueneman-MO).

Radio Difusora Aquidauana 4795 rcvd. f/d "Certificate" 2 postcards, 2 brochures, personal ltr. and 3 pages of program skeds. in 42 ds. (Flynn-OR).

Radio Portugal International

### Radio Brasil

Central 4985

p/d ltr. in 1

mo. for a PT

rpt. v/s Ray-

mundo Fernan-

des. (Myers-VA).

Radio Nacional

do Brasil 15265

f/d cd. in 1 mo.

for 2 IRCs.

Also rcvd.

stickers and

schedule. v/s

Gabriela Bra-

ga. (Brouill-

ette-IL).

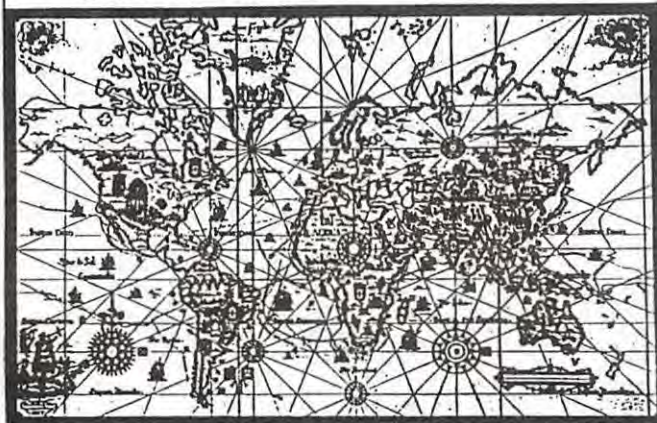
### CHINA, PEOPLES

REP. OF: CPBS

6890, 7440,

7516 and 7770

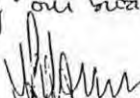
f/d cd. w/ new



SAMUEL PNERO  
47 Prospect Place  
Bristol, CT 06010  
USA

DATE: 12.10.97  
TIME: 22.50 to 2300 UTC  
FREQUENCY: 13363.5 kHz  
SINPO: Strong good strong?  
LANGUAGE: ENGLISH

Dear Samuel,  
Here is your very merited disk card  
from RAE. We hope you continue listening  
to and enjoying our broadcasts!  
Yours,  
Henceforth, Walter

  
JENLA DAMURI  
Director Radio - Coma al Exterior

plastic pennant,  
stickers, pin and  
schedule in 3 mo.  
(Barto-CT). 6750,  
6840, 7504 and  
7935 f/d "Tiger"  
cd. in 2 mo. (Bar-  
to). 9064, 10260,  
11610 and 11630  
f/d cd. in 2 1/2 mo.  
(Barto). 9080,  
9290, 5320 and  
5295 f/d "Tiger"  
cd. in 2 mo. (Bar-  
to). China Radio  
International 9730  
f/d cd. w/ paper

cut and stickers in 1 mo. (Readore). 9535 "Marble Boat" cd. in 2 mo. (Brata-INDO). 11515, 9440, 7435 and 7260 f/d "Jade Statue of Buddha" cd. in 3 mo. (Barto-CT). 11945 and 15260 f/d "Palace of Celestial Purity" cd. w/ schedule and paper cuts in 4 mo. (Barto).

CLANDESTINE: Voice of Sudan 9520 f/d large colorful "Certificate" w/ personal ltr., 3 essays in 8 ds. for an E-mail rpt. Addr: Mr. Abdulhi F. Elmahdi, 16 Cameret Court, Lorne Gardens, London W11 4XX. My

**QSL**

card No. 19  
(Info: Sveire Bergsj)

via  
Weissborn


Left Halberg Myrdal,  
Norwegian contemporary  
composer. Pictured is a  
beautifully formed trap,  
blended with a large soft-  
yellow buttercup, and a  
rose with a special  
opening, all suitable for a  
single flower. Both the trap  
and the rose are examples  
of Myrdal's special  
cracking style

Dear listener

We thank you for your report  
and are pleased to confirm  
that you have heard  
Radio Norway International

on 9560 kHz 01:10:6 1997  
UTC DATE MONTH YEAR

Sincerely yours,

  
RADIO NORWAY INTERNATIONAL  
OSLO 2, NORWAY

VERIFICATION SIGNERS: Radio Origen

5323 Addr: Avenida Augusto B. Leguía No. 196, Huancavelica, Depto. de Huancavelica, Peru. Radio San Nicolas 5470.8 Violeta H. Grandez Vargas, Station Administrator. Addr: Pasaje Hilario Lopez No. 111 entrada del "Hotel Grandez", Rodriguez de Mendoza, Peru. Radio Mundo 5083.8 Addr: Calle Tecte No. 214, Cusco, Peru. Radio Horizonte 5019 Ing. Maria Dolores Gutierrez Atienza, Station Administradora. Addr: Jiron Amazonas No. 1177, Chachapoyas, Provincia de Chachapoyas, Depto. de Amazonas, Peru.

LRA36 Radio Nacional Arcangel San Gabriel 15476 Hugo Carlos Casela Teniente Coronel. Addr: Base Antartica Esperanza Territorio Antartico Argentino 9411. Radio Santa Cruz 6135 Maria Yolanda Marco E...via PLAY DX and Takayuki Inoue Nozaki.....Sam.

first E-mail report and reply for a QSL. (Flynn-OR)....Great Sam!  
CLANDESTINE (Eritrea): Voice of Truth 9230 via Sudan f/d cd. w/ site and

  
**Radiodifusora Empresarial "LIDER DEL NORTE" S.C.R. Ltda.**  
"Información Integral para el Desarrollo Regional"  
Je. Héroles N° 2167 - 2161. Tl: fax 92 2161  
Cajamarca - República del Perú  
Informativa - Cultural - Científica - Recreativa - Hogareña - Católica - Humanitaria

**CERTIFICADO DE SINTONIA**

OTORGADO AL SR: CHRISTOPHER LODSELL  
DOMICILIADO EN BOX 146, STONEHAM, MA 02100  
USA  
OYENTE DE NUESTRA EMISORA EN ONDA CORTA, EN 5,340 K.

FECHA 19 DE OCTUBRE DE 1,992  
21 DE MAYO DE 1,996

SE LE CONCEDE LA PRESENTE CONSTANCIA QUE FORMARA PARTE  
DE SU COLECCION "OSL".

Cajamarca, 10 de junio de 1,996

\* info. ltr. for \$1.00  
v/s Menghsteab Asmerom, Executive Committee. (Rusalik).  
\* Voice of Free Eritrea 9230 via Sudan same as above in 16 ds. for \$1.00. (Rusalik-ALB).  
\* The Voice of Democratic Eritrea 9230 via Sudan prepared f/d cd. in 16 ds. as the above for \$1.00. (Rusalik).

CUBA: Radio Habana

Cuba 11970 f/d cd. w/ ltr. and sked. in 125 ds. (Eramo).

CZECH REP: Radio Praha 7345 f/d cd. w/ pennant, sked. and



stickers in 5 wks. for \$1.00. (Readore) f/d "Central Square - South Bohemia" cd. w/ stickers, schedule and pocket calendar in 16 ds. for 2 IRCs. (Brouillette-IL).

**ECUADOR: HCJB** 15115 f/d cd. w/ calendar, booklet, and schedule in 24 ds. for \$2.00. v/ John Beck. (Clapper-NY). 21455 f/d cd. in 15 ds. or an E-mail rpt. (Neal-TX). 15295 f/d "Andean Condor" cd. in 18 ds. for E-mail rpt. (Neal-TX).

**ETHIOPIA: Radio Ethiopia** 9705 f/d cd. w/ sticker and a personal ltr. in 6 wks. for an EG rpt., tape and \$1.00. (Readore) **Voice of the Tigray Revolution** 5500 f/d 2 page ltr. in EG w/ local postcard in 37 ds. via registered mail for \$1.00. v/s Fre Tesfamichael, Director. (Flynn-OR). f/d ltr. in 6 wks. for \$1.00. (Hos-

**EUROPEAN RUSSIA: Voice of Russia** mer-MI). 12070 via **Moscow** f/d E-mail QSL for an E-mail rpt. (Neal-TX). (Readore)

**FRENCH GUIANA: RFO Guyane** 5055 f/d cd. w/ stickers in 56 wks. for 1 IRC.

**VERIFICATION SIGNERS: Radio Amazonas** 4940 Santiago Sangil Gonzales. **Radio Tanzania Zanzibar** 11734 N. Nyamwochd, Director of Broadcasting. **Radio San Marino International** 7440 S. Gasperoni. Addr: Via Davanzati 8, 20158-Milano, Italy. **Solomon Islands Broadcasting Service** 5020 Silas Rule or John Barbera, Chief Engineer. **REC** \* **Relay Stations** Michelle Franks, Scheduling and Frequency Management, 724 North East Wing, Bush House, P.O. Box 76, Strand, London, England. This is a very good tip. Hope she doesn't get too many reception reports or this will go by the way-side...Sam.....via PLAY DX.

**GEORGIA: Voice of Hope** 6290 via **Dusheti** f/d cd. w/ ltr. and schedule in 1 1/2 mo. (Barto).

**GERMANY: Radio Free Asia** 15385 via **Holzkirchen** p/d ltr. w/ sticker in 2 mo. (Barto-CT).

**GUAM: KTRW** 9815 f/d cd. w/ station info. in 2 mo. Addr: P.O. Box CC, Agana, Guam 96910-8980. (Brata-INDO).

**HAWAII: KWHR** 17780 f/d "Antenna/Globe" cd. in 1 mo. v/s James Holy-cross. (Brata). **Radio Free Asia** 9930 via **KWHR** p/d ltr. in 2 mo. (Barto-CT).

**IRELAND: United Christian Broadcasters** 6200 f/d "Studio and Bldg" cd. w/ ltr. stating they are currently off the air. v/s Gramme Wilson. All in 16 ds. for \$1.00. (Owsley-CA).

**ITALY: RAI International** 6010 f/d cd. w/ calendar in 14 ds. for \$2.00. (Clapper-NY).

**KAZAKSTAN: Radio Free Asia** 7540 and 5865 via **Almaty** p/d ltr. in 2 mo. w/ sticker (Barto-CT).

**KOREA, REPUBLIC OF: AWR**  
DX Report #200 5975 via **Radio Korea International** at the

RADIO "5 2 6 4"  
Hildebrando López Pintado  
Chiricaco, Imasa, Bagua  
Amazonas PERU.

por SAMUEL BARTO  
47 PROSPECT PLACE  
BRISTOL, CONNECTICUT  
U. S. A. 06010

Fecha 23-02-1998

Nos es grato hacerle llegar esta información en que confirmamos la recepción realizada por WAI. en la fecha 25-03-1996 quedamos muy agradecidos por el reporte que cordialmente nos hace llegar, informo que nos permite evaluar el rendimiento de nuestros equipos y sistema de transmisión, dándonos a su vez la satisfacción de poder conectarnos con un nuevo amigo del aire.

"Radio 5264" en las frecuencias emite en la frecuencia de 5264 kHz con un transmisor de 500 vatios de potencia, ubicada en la proximidad de Chiricaco año de fabricación 1995 año y fecha de lanzamiento al aire 03-10-1995.

Si desea enviarnos alguna identificación para el surgimiento de nuestra emisora ya sea económica o espiritual puede escribirnos a nuestros estudios en sobre bien cerrado y bien timbrado para que llegue a su destino, nosotros le agradeceremos por su gesto de apoyo, o llame a INTERNET: QTYO#141 a niftyserve -or- jp RADIO NUESTRO MUNDO de Tokio Japón para nuestro apoyo.

Atentamente.

Santiago  
Santiago Bustaneda Cubas  
Dr. Gerente  
Director Radio 5264.  
PERU.



Hildebrando López  
Hildebrando López Pintado  
Director de Radio 5264.  
PERU

\* **Hwasong** site. f/d "Special Endorsement" w/ site along with schedule and newsltr. in 70 ds. v/s Han Hee-joo.(Kusalik-ALB). 9515 same as above but **Kimje** site indicated in 70 ds.(Kusalik).

**QSL**

**IBRA RADIO REACHING ASIA**

**LESSER SUNDA ISLANDS: RRI Kupang** 3385 f/d prepared cd. in 5 wks. for a f/up rpt. on a 92 reception. v/s Drs. P.M. Tisere.(Hosmer-MI).

**MALAYSIA: Radio Television Malaysia** 7295 p/d ltr. in 1 mo. after a f/up rpt. and ms. (Myers-VA). **Radio Four** 7295 f/d cd. in 3 wk for a FAXed rpt. and a f/up rpt. Allin 7 mo. v/s Amelia Teh. (Maroti-NY).

**MALAWI: MBC** 3380 f/d ltr. in 2 mo. after a f/up rpt. w/ SASE(used). v/s J.C.J. Chikagwa. (Myers-VA).

**VERIFICATION SIGNERS: RRI Palu** 3960 Gugun Santoso (he is the 17 year old son of Kepala Bidang Teknik-chief engineer). **Media Zoo/CMR Relay** 5935 Eric N. Wiltsher and Dave Rhodes, Listener Section. Addr: T.E.S.V.G., P.O. Box 576, Orpington, Kent, BR6 9NY, England.

**XEOI Radio Mil** 6010 Zolia Quintanar Flores. E-mail: inform2nm.com.mx. **Radio Union** 6115 Raquel Demartini, Secretary Gerencia. **Radio Melodia** 5995 Hermogenes Delgado Torres, Director. **Deutsche Welle Russian Relay Stations** Addr: Deutsche Welle, Hochfrequenztechnik, DE-50588, Koeln, Germany.....via PLAY DX.....Sam.



Embroidery from Hongkong

**MEXICO: XEPPM Radio Educacion** 6185

p/d cd. w/ magazine, ruler, stickers, calendar and ltr. in 172 ds. for 3 IRCs. (Eramo)

**MOLDOVA:**

**Voice of Russia** 7125 via **Kishinyov** f/d cd. in 2 mo. (Hosmer).

**MONGOLIA:**

**Voice of Mongolia** 9720 f/d

**SPECIAL OFFER:** Our customers have spoken. The enclosure of used postage stamps as a form of gift with your reception reports seems to be working. For 1998 we are now offering the following:

\$10.00 will bring you 1300 foreign stamps; \$15.00 will net you a total of 2300 stamps. With either order you will receive an additional 600 stamps (US). That's 1900 total for only \$10.00 or 2900 for only \$15.00. You will not be disappointed. Please try to include an extra \$3.00 for overnight USPS delivery. Mail your order to your NASWA QSL Editor.



"Mongolian Costume Dancers" cd. in 3 mo. for \$1.00. (Owsley-CA).

**NAMIBIA: Namibian Broadcasting Corporation** 3290 via **Windhoek** f/d cd. w/ schedule and a personal ltr. in 181 ds. v/s P. Schatschneider, Manager Transmitter. (Eramo-ARG).

**NEPAL: Radio Nepal** 5005 f/d "Pokhara" cd. in 51 ds. for 3 IRCs. v/s R. S. Karki. (Owsley-CA).

**NEW ZEALAND: Radio New Zealand International** 9795 f/d "Stamps" cd. in 26 ds. for \$2.00. (Borowski)

**PALAU: Radio Free Asia** 9910 via **KHBN** p/d ltr. in 2 mo. w/ sticker. (Barto-CT).

**PHILIPPINES: VOA** 17735 "Grand Canyon" cd. in 44 ds. Finally after 16 yrs. I QSLed this country! (Bueneman-MO). **FBC** 15450 f/d cd. w/ personal ltr. in 6 wks. for \$1.00. (Readore).

**POLAND: Radio Maryja** 9670 via \* **Polskie Radio** f/d cd. in 2 mo. after a f/up rpt. w/ \$1.00. v/s O. Tadeusz Rydzek, Director. Also rcvd. detail and info. (Kusalik-ALB).

Kingdom of Saudi Arabia  
Ministry of Information  
Engineering Affairs  
Riyadh

**Q.S.L.**

To:

Dear Listener,

Kindly accept our thanks for your listening report. We are pleased to verify our following transmission.

Frequency: ..... 9555 ..... KHZ

Time (U.T.) ..... 1800-1810 .....

Date ..... 24/06/97 .....

We appreciate your cooperation and hope to hear from you again.

**SULAIMAN SAMANAN**

Director of Frequency Management  
Ministry of Information



**PORTUGAL:** RDP International 9570 f/d "Torre de Belem" cd. w/ personal ltr. stating that the station is ceasing its EG language programs. (Owsley-CA).

**RUSSIA:** Voice of Russia 7105 and 7125 f/d "Cruise Ship" and "Wildflower" cds. in 22 ds. for an E-mail rpt. v/s Elena Prolovskaya, Letters Department. (Brouillette-IL).

**RWANDA:** Deutsche Welle f/d cd. in 82 ds. for an E-mail rpt. v/s B. Klaumann, Transmission Management. (Eramo-ARG).

**SAINT HELENA:** Radio Saint Helena 11092.5 f/d "30th Year of Transmission" cd. in 192 ds. for 1 IRC. (Neal-TX).

**SAIPAN:** Radio Free Asia 9570 via KHBI p/d ltr. in 2 mo. w/ sticker. (Barto-CT).

**SAO TOME:** VOA 4960 f/d cd. in "7 minutes" during a visit to the VOA HQ in Washington DC. Met w/ VOA staffers along w/ Bill Whitacre, Kim Elliot \* and Dan Ferguson. C/V #200!!! Finally did it!

**SWAZILAND:** Trans World Radio 9500 f/d fold-out cd. w/ "Transmitter/Building" on it in 6 wks. for \$1.00.

**TADJIKISTAN:** Radio Free Asia 15660 p/d ltr. in 2 mo. w/ sticker. (Barto). 6240 p/d ltr. in 2 1/2 mo. (Barto). 7520 and 7530 p/d

**VERIFICATION SIGNERS:** Radio Gaucha 11915 Gilberto Kussler, Gerente Tecnico. E-mail: gaucha2rdgaucha.com.br. Radio Fana 6940 Hame-lmal Tekle Haيمانot. Addr: P.O. Box 90702, Addis Ababa, Ethiopia. Radio Nacional Espejo 4679 Steve Caicedo. E-mail: mcaicedo2hoy.net. Radio Finland Addr: Raima Makela, PL 113, FIN-28101 Pori. Include an IRC. All India Radio Hyderabad 4800 A.K. Bhatnagar. La Voix du Charitie 11715 via Radio Vatican Frere Elie Nakhoul L.M., General Manager. Addr: B.P. 850, Jounieh, Lebanon.....via PLAY DX.....Sam.

ltr. w/ stickers in 3 mo. (Barto-CT).

**TAIWAN:** Radio Taipei International 7130 f/d "Foreign Language" cd. w/ new pennant in 35 ds. for \$1.00 (Owsley-CA).

**THAILAND:** BBC 5990 via Nakhon Sawan n/d ltr.

\* in 3 mo. for \$1.00 and prepared cd. (not \* used). (Hosmer-MI). 9580 via Tambon Ban p/d

ltr. in 180 ds. for 1 IRC. v/s Jaruwat Meesaurtong, Personal Assistant. They had no reply to my questions and made no comments. (Flynn) Does the BBC have two sites in Thailand?...Sam.

SEÑOR  
GRIGORI MAROTI  
PRESENTE

**UKRAINE REP:** Radio Ukraine International 7150 via Lvov f/d cd. w/ schedule and an Easter cd. in 48 ds. for \$2.00. (Clapper-NY). same in 50 ds. (Buenneman-MO). f/d

\* "Cathedral in Kiev" cd. in 76 ds. (Flynn-OR). Radio Marabu 11830 via Radio Independence Voqqa

De nuestra mayor consideración:

Hemos recibido su amable carta en la cual nos comunica que ha sintonizado nuestra Emisora. Lo que nos da una gran satisfacción saber que nos escuchan en el exterior.

Aquí le estamos mandando la contestación afirmativa sobre su recepción de diciembre 27. 1996 y nos disculpamos por no haber contestado antes, probablemente no haya llegado la correspondencia. Con respecto al E-mail, lo que paso fue que tuvimos problemas con la dirección y la hemos tenido que cambiar varias veces, adjuntamos la correcta y definitiva; como así también nuestra programación para seguir en contacto.

Agradecemos la atención de habernos escrito, esperando recibir noticias suyas a la brevedad, saluda atentamente.

p. CX20 RADIO MONTE CARLO

*Alexi Heismanik*  
Alexi Heismanik  
Jefe Tecnico



РАДИО МОСКВА

This certifies you report on the reception of Radio Voice of Russia's broadcast for Japan

DATE \_\_\_\_\_

TIME \_\_\_\_\_

FREQUENCY \_\_\_\_\_



Best wishes for  
Radio  
Voice  
of  
Russia

in 137 ds. after a f/up rpt. I rcvd. 2 prepared, signed and stamped cds. w/ other info., studio photos and newltr. sheets. (Kusalik-ALB).

**USA:** Radio Free Asia 11955 f/d ltr. w/ sticker in 6 mo. for \$1.00. (Owsley). 11955 via Delano f/d ltr in 5 mo. w/ sticker (Barto-CT). 17805 f/d ltr. in 5 mo. (Barto). BBC via WYFR 9590 f/d cd. in 32 ds. for ms. (Buer-FL).

# Das Wort

die kosmische Welle



Die Radiosendungen  
der Urchristen  
Leben im Geiste Gottes

QSL - CARD

ency Assignments. Addr: AIR, Palau Road, Imphal 795 001, India.  
Radio Television Malagasy 5010 Mamy Rafeno Manantsoa,  
Director. Radio Pakistan 5055 Anwer Inayet Khan,  
Engineering Manager. Voice of Russia 4970 via  
Kharkiv Elena Osipova, Secretary...via PLAY DX.

WLIQ 6955 cd. #34 in 45 ds. for 3 ms.  
(Neal). WLIS 6955 f/d pink sheet in 5  
wks. for 3 ms. (Owsley). Radio Sparks  
9955 via WRMI f/d cd. w/ personal ltr.  
in 41 ds. for \$2.00. (Neal).

VATICAN: Voix de la charite 11715 via Rad-  
\* io Vatican 2 f/d prepared cds. in 60 ds  
after a f/up rpt. Reported to Lebanon.  
v/s Fr. Elie Nakhoul, General Manager.  
(Kusalik). Radio Vatican 11625 f/d "Sate-  
llite Earth Station and FM Antenna" cd. in  
5 wks. for \$1.00. (Loudell-DE). 7345 f/d "St.  
Peters Square" cd. in 3 wks. for \$1.00. (Loudell).

WEST BERLIN: Deutschlandfunk Radio 6005 f/d cd. w/ stickers in 5 wks.  
for 1 IRC. (Myers-VA).

ZAMBIA: Zambia National Broadcasting Corporation 4910 f/d plain white  
postcard in 56 ds. for 2 IRCs. v/s Patrick Nkula, for the Director  
of Engineering. (Brouillette-IL).

ZANZIBAR: Radio Television Zanzibar 11734  
f/d prepared cd. w/ personal ltr. in  
37 ds. for \$3.00. v/s Mr. Ali Bakari  
Muombwa. Addr: P.O. Box 2068, Dole  
Zanzibar. He said that he welcomes  
questions regarding the history of  
the area. (Flynn-OR).



Radio Paz Internacional

WYFR 6065 f/d cd. in 5 wks. (Raymond).  
USA (Pirates): One Voice Radio 6955 f/d  
cd. w/ personal ltr. in 13 ds. for 3  
ms. (Neal-TX). f/d "Foot Diagram" cd.  
in 28 ds. for 3 ms. (Wilkins-MO). RFM  
via Belfast 6955 f/d "Skull and Bones"  
sheet in 25 ds. (Kusalik). The Voice of  
Anarchy 6955 f/d sheet in 104 ds. for  
3 ms. (Neal-TX). f/d hand printed "Cer-  
tificate of Reception" sheet in 82 ds.  
for 3 ms. 200 watts. Also rcvd. pirate  
info. (Wilkins-MO). Take It Easy Radio  
6955 f/d "Skelton Dringing a Blood"  
sheet in 2 mo. for 3 ms. (Owsley-CA).  
The Voice of Shortwave Radio 6955 f/d  
"Scroll Design" sheet in 39 ds. for 3  
ms. This was relayed via WREC (Wil-  
kins-MO). Radio Azteca 6955 via NAPRS  
f/d cd. #620 in 46 ds. for 3 ms. Hrd.  
during the SWL Fest. (Neal). Rock It  
Radio 6955 f/d orange "Microphone" cd.  
in 9 ds. for \$1.00. (Owsley). f/d cd.  
in 10 ds. w/ newsltr. (Pasquale-PA).  
Mystery Radio 6955 f/d "Beatles Fab 4"  
cd. in 26 ds. for an ACE rpt. (Owsley);

VERIFICATION SIGNERS: All India Radio 6040 via  
\* Jeyapore Mr. A.C. Subuddhi, Assistant Station  
Engineer. Addr: Shortwave Transmitter, AIR,  
Jeyapore 764 015, India. All India Radio 4775  
via Imphal A.K. Ehatnagar, Director of Freq-

Hören Sie uns!

Das Wort  
die kosmische Welle

Die Radiosendungen  
der Urchristen  
im Universellen Leben

Das Wort - Postfach 5043 - D. 97006 Würzburg Tel. 0931/59030

I always enjoy ending each  
months QSL Column with a QSL  
from Zanzibar.

Kam

New broadcaster URLs in the last month include Channel Africa<sup>1</sup>, HCJB<sup>2</sup>, Radio Tacna<sup>3</sup> in Peru, Voice of the Mediterranean<sup>4</sup> and Jeff White's WRMI<sup>5</sup>. In the case of HCJB, it appears the FTP site and engineering URL have disappeared.

## Winterfest '98

Thanks to Ed Mauger, we have in hand photos taken at the March happening. The problem is that I just have had no time to get this job done. I will get to it, but time is at a premium due to physical therapy following surgery and Web page work atop our regular job. Watch for a link off the 'fest announcement page.<sup>6</sup>

## China

Hans van den Boogert of Taiwan has assembled an interesting and useful collection of "information on radio to and from the greater China area." He calls the Web site "Radio China"<sup>7</sup>.

## Sounds

If you are active on the 'net you already know about the "sounds" pages authored by AJ Quaglieri and Bill Whitacre... and we have a page of audio clips as well.

Now Andy Sennitt tells us of another stupendous page called "Dave Kernick's Sound Bytes"<sup>8</sup>. You'll need the RealAudio player. The site contains interval signals and identification announcements from international, domestic, and clandestine radio stations around the world. There are more than 100 audio clips to listen to — including stations I've never heard in my 45+ years as an SWL. And on Kernick's links page there are two sites with jamming signal examples.

Look at the chart below. The A-index hit 83. Visible aurora made it into southern New York state. Will it repeat next month? Stay tuned...

1. [www.channelafrica.org/](http://www.channelafrica.org/)

2. [www.hcjb.org/](http://www.hcjb.org/)

3. [www.unjbg.edu.pe/radio/radta.html](http://www.unjbg.edu.pe/radio/radta.html)

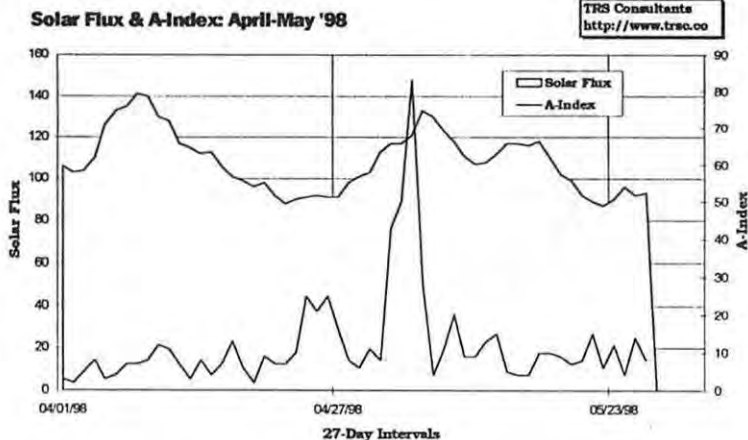
4. [www.woden.com/~falcon/vom.html](http://www.woden.com/~falcon/vom.html)

5. [www.nexus.org/WRMI/](http://www.nexus.org/WRMI/)

6. [www.trsc.com/swl\\_fest.html](http://www.trsc.com/swl_fest.html)

7. [ns4.swl.net/radiochina/](http://ns4.swl.net/radiochina/)

8. [www.btinternet.com/~dkernick/](http://www.btinternet.com/~dkernick/)



# Contributors' Page

**Fred S. Kohlbrenner**  
2641 S. Shields St.  
Philadelphia, PA 19142  
Internet: [fkohl@x.netcom.com](mailto:fkohl@x.netcom.com)

## DEADLINE FOR CONTRIBUTIONS IS THE 10th OF THE MONTH

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	R8B AOR AR-7030 100' LW
Jerry BERG, Lexington, MA	R8 165' LW
Gene BOROWSKI, Staten Island, NY	
Wishnu BRATA, Bandung, INDONESIA	Sony ICF-260S
Eric BUENEMAN, Hazelwood, MO	ATS-803A MFJ-1778 G5RV antenna
Richard CLAPPER, Au Sable Forks, NY	
David CLARK, Thornhill, ONTARIO	R8A NRD-515/SE-3 ANC-4 Carolina Beam
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 YB400 70' LW Tun-4A
Nicolas ERAMO, Buenos Aires, ARGENTINA	Sony 2010 ICF-7600 7600G LW's
J. FINDLATER, Los Angeles, CA	FRG-7700 LW
Mark FINE, Remington, VA	
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bob HILL, Littleton, MA	Sony 2010 120' dipole at 35'
David KRAUSE, Eastlake, OH	Kenwood R600
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
Jerry LINEBACK, Scranton, KS	R7A beverage antennas
George MAROTI, Mt. Kisco, NY	Sony 2010 10/45m dipoles MFJ-956 tuner
William McGUIRE, Cheverly, MD	DX-380
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
David NORRIE, New Zealand	
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Takayuki Inoue NOZAKI, Tokyo, JAPAN	
Benton OWSLEY, Ventura CA	NRD-525 100' LW
Bob PADULA, Victoria, Australia	DR49 FRG-8800 dipoles
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Sheryl PASZKIEWICZ, Manitowoc, WI	R8 NRD-525 60' LW Eavesdropper
Bob RAYMOND, Nashua, NH	DX-398 20m 5/8 wave vertical
Gerald READORE, Houston, TX	DX-390 90' LW
Chuck RIPPEL, Cornland, VA	WJ-HF1000A R8B R390A/SE-3 51S-1 LW's
Betsy ROBINSON, Clinton, TN	Sony 2010 Indoor antenna
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
Tom SUNDSTROM, Vincentown, NJ	
Fred TRESCHER, Philadelphia, PA	Sony 2010
Terry WOLF, Bellville, OH	Sony 2010 LW
Robert YAJKO, Leechburg, PA	R8-A 80' LW
Dan ZIOLKOWSKI, Hanburg, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

Nice turnout again this month with thirty-seven contributors sending items in for the Journal. Log and QSL reporting forms are available for an SASE to my address above for those members sending their contributions in via surface mail.



# Tropical Band Loggings

**Sheryl Paszkiewicz**

P.O. Box 152  
Manitowoc, WI 54221-0152  
spaszkie@msn.com

- 3215 **SULAWESI RRI Manado** 4/15 1155 pops, SCI, nx (Line-KS)  
 3215 **MADAGASCAR AWR** 5/10 \*0300-0329\* IS, IDs in sev lang, spiritual songs, tk (Maro-NY) 5/3 \*0300 rel pgm, poor but improving, discussion, EG s/off, IS (Ripp-VA)  
 3220 **ECUADOR HCJB** 4/7 0955 tk, flute, ID, Andean mx (Ziol-NY) 4/17 1052 Quechua mx (Line-KS)  
 3220 **NEW GUINEA R Morobe** 5/2 1130 PD anmts, EG vcls (Line-KS)  
 3235 **NEW BRITAIN RWNB** 4/23 1058 EZL, nx (Nove-NC) 5/2 1128 indigenous mx w/drums (Line-KS)  
 3235 **PERU R Luz y Sonido** tent 4/25 0310\* OA mx, anmts (Fly-OR) 4/17 1050 OA mx, fair w/lute QRM (Line-KS)  
 3245 **NEW GUINEA R Gulf** 4/14 1203 NA at s/off (Line-KS)  
 3250 **KALIMANTAN RRI Banjarmasin** 4/20 1144 IN vcls (Line-KS)  
 3260 **NEW GUINEA R Madang** 5/2 1127 EG C&W (Line-KS)  
 3264.6 **SULAWESI RRI Gorontalo** 5/2 1126 IN mx (Line-KS)  
 3275 **PAPUA R Southern Highlands** 5/2 1125 lang tk (Line-KS)  
 3280 **CHINA Vo Pujiang** 5/2 1124 CH tk (Line-KS)  
 3280 **ECUADOR LV del Napo** 4/17 1057 SP vcls (Line-KS)  
 3289.9 **GUYANA GBC** 5/13 0939 ID, "coming to you this morning, asking forgiveness from the Holy Koran..." (Norr-NZ) 5/2 0700 BBC pgm, BBC Ids, nx, tent (Alex-PA) 5/4 0858 EG tk ment Guyana, mx, anniv greetings (Ziol-NY)  
 3305 **PAPUA R Western** 5/2 1121 lang tk (Line-KS)  
 3315 **ADM ISL R Manus** 5/2 1100 ID, tk (Line-KS)  
 3320 **N KOREA R Pyongyang** 5/2 1105 KK tk, poor (Line-KS)  
 3330.3 **PERU Ondas del Huallaga** 4/28 1050 tk, mx (Line-KS)  
 3335 **TAIWAN CBS** 5/2 1107 CH tlks (Line-KS)  
 3340 **PERU R Altura** 4/28 1055 tk, mx, cow sounds (Line-KS)  
 3344.8 **MOLUCCAS RRI Ternate** 5/2 1100 IN tk (Line-KS)  
 3355 **NEW GUINEA R Sinbu** tent 5/13 0952 Captain & Tennille, nx (Norr-NZ) 5/2 1111 EG C&W (Line-KS)  
 3365 **NEW GUINEA R Milne Bay** 5/2 1113 audio under ute (Line-KS)  
 3380 **MALAWI MBCV** 4/25 0304 EG nx, Ids, ads, choral mx, drama in lang (Maro-NY) Afr pops ID 5/11 at 0340 (Pasz-WI)  
 3385 **NEW BRITAIN RENB** 5/2 1116 tlks (Line-KS)  
 3905 **NEW IRELAND RNI** 5/2 1139 pops, vy strong (Line-KS)  
 3976.1 **KALIMANTAN RRI Pontianak** 5/2 1143 IN tk, mx (Line-KS)  
 3985 **S KOREA Echo of Hope** 5/2 1145 KK tk, poor (Line-KS)  
 4010 **KYRGYZSTAN Kyrgyz R** 4/12 1638 lcl song, poss RS tk, chant & chat, p-f (Serr-IT)  
 4552.3 **BOLIVIA Rdf Tropico** 4/13 0134 s/off anmts, IDs (Nove-NC)  
 4649 **BOLIVIA R Santa Ana** 4/14 0000 comunicados, IDs (Nove-NC)  
 4725 **MYANMAR Vo Myanmar** 4/27 1151 YL vcls (Line-KS)  
 4753.3 **SULAWESI RRI U-P** 4/21 1231 IN tk (Newb-NE) 5/2 1219 tk, fair (Line-KS)  
 4765 **BRAZIL R Rural** 4/28 0850 ment Para, accordion, poss ID (Ziol)  
 4775 **INDIA AIR Imphal** 4/11 1218 Indian songs (Padu-AUS)  
 4775 **SWAZILAND TWR** 4/25 0419 gospel mx in GM (Newb-NE)  
 4785 **CHINA tent Zhenjiang PBS** 4/22 1403 CH drama, poor (Fly-OR)  
 4789.1 **UNID** 5/2 1217 lang tk by M (Line-KS)  
 4790 **PERU R Atlantida** 4/23 1010 tk, sev IDs (Yajk-PA)  
 4800 **INDIA AIR Hyderabad** 4/11 1225 HD tk (Padu-AUS)  
 4800.8 **MEXICO XERTA** 5/2 1216 lite mx (Line-KS)

- 4815 CHINA *CRI* 5/2 1215 CH mx (Line-KS)  
 4819.2 HONDURAS *LV Evangelica* 4/21 0311 shouting preacher (Newb-NE)  
 4820 INDIA *AIR Calcutta* \*1223 4/11 (Padu-AUS)  
 4824.5 PERU *LV de la Selva* 4/23 0236 anmts, drums, poor (Flyn-OR)  
 4828 ZIMBABWE *ZBC* 4/4 \*0300 anthem, tlk, chorus, folk mx (Alex-PA)  
 4831 THAILAND *RT* 4/11 1145 Thai tlks (Padu-AUS)  
 4835 GUATEMALA *R Tezulutlan* 4/21 0316 tlk (Newb-NE)  
 4845 MOLUCCAS *RRI Ambon* 4/12 1115 island mx, fair (Line-KS)  
 4860 RUSSIA *R Chita* 4/24 1055 romantic mx, TP, lcl TC (Nove-NC) From Jay's details, looks like you understand Russian-vg!-sp  
 4864.4 BOLIVIA *R 16 de Marzo* 4/18 2345 Andean mx, ID (Nove-NC)  
 4880 INDIA *AIR Lucknow* 4/11 \*1215 Indian songs, QRM Dacca (Padu)  
 4885 KENYA *KBC* 4/15 1915 Afr pops, EG ment Nairobi, KBC (Serr-IT)  
 4887 PERU *R Villa Rica* tent, 4/25 0211 fast tempo chorus, ment Villa Rica (Flyn-OR) 4/25 0210 instls, ID, FC, promo (Nove-NC)  
 4890 PAPUA *NBC* 5/2 1211 EG/PD pops (Line-KS)  
 4895 SARAWAK *RTM Kuching* 5/2 1210 Malaysian nx (Line-KS)  
 4900 CHINA *Vo Strait* 5/2 1209 CH tlk, Western mx (Line-KS)  
 4904.6 PERU *R La Oroya* 4/17 1104 fast anmts, ads, mx (Line-KS)  
 4910 INDIA *AIR Jaipur* 4/11 1210 English cricket (Padu-AUS)  
 4915 CHINA *Guangxi PBS* 5/2 1208 CH tlk (Line-KS)  
 4919 ECUADOR *R Quito* 4/22 0948 tlk, HC mx (Yajk-PA)  
 4920 INDIA *AIR Chennai* 4/11 1207 English cricket (Padu-AUS) 4/27 1200 HD tlk, SC mx, ID, EG nx (Line-KS)  
 4935 PERU *R Tropical* 5/15 1032 three IDs in 10 minutes (Norr-NZ)  
 4940 CHINA *Vo Strait* 5/2 1205 CH tlk, fair (Line-KS)  
 4950 CHINA *Vo Puijiang* 5/2 1204 CH tlk, mx (Line-KS)  
 4950 KASHMIR *AIR Srinagar* 4/11 1150 Indian songs (Padu-AUS)  
 4950.3 ECUADOR *R Bahai* 4/25 1038 flute & strings, Quechua anmts, IDs (Nove-NC)  
 4955 COLOMBIA *RN* 4/25 0428 tlk, dance mx to 0452\* (Newb-NE)  
 4959.6 VIETNAM *Vo V* 5/2 1201 tlk (Line-KS)  
 4965.1 BRAZIL *R Alvarado* pres 4/22 0921 mx, tlk, poor (Ziol-NY)  
 4970 INDIA *AIR Shillong* 4/11 1141 Indian songs (Padu-AUS)  
 4975 CHINA *Fujian PBS* 5/2 1158 CH tlk (Line-KS)  
 4980 CHINA *Urumqi* Mongolian svc 4/11 1224 lcl songs (Padu-AUS)  
 4980 VENEZUELA *Ecos del Torbes* 4/21 0320 tlk, big band mx (Newb-NE)  
 4990 INDIA *AIR Itanagar* 4/11 1142 Indian vcls (Padu-AUS)  
 4990.9 PERU *R Ancash* 4/12 1024 tlk, mx, ID (Ziol-NY)  
 5005 SARAWAK *RTM Sibn* 4/11 1150 lang tlks (Padu-AUS) 5/2 1147 lang tlk, poor (Line-KS)  
 5010.3 ECUADOR *Escuelas Radio Pop* 5/1 1055 Andean mx, Ids, shouted Ecuador! (Nove-NC)  
 5015 TURKMENISTAN *R Bakhara* tent, 4/25 1423 lang mx, drums (Flyn)  
 5020 SOL ISL *SIBC* 5/2 1149 anmts, mx, ID, GSTQ (Line-KS)  
 5020.7 NIGER *LV du Sahel* 4/14 1857 tam tam, TP, ID, nx (Serr-IT)  
 5030 SARAWAK *RTM Kuching* 4/11 1155 Bidayah tlks, QRM China (Padu)  
 5039.2 PERU *R Libertad* pres 4/17 1013 Andean mx, echo anmts, poss ID, huaynos (Ziol-NY)  
 5050 CHINA *Vo Strait* 5/2 1153 CH mx (Line-KS)  
 5054.6 COSTA RICA *Faro del Caribe* 5/2 1154 SP pop vocals, anmts, good (Line-KS)  
 5076.8 COLOMBIA *Caracol* 4/25 0413 anmts, promos, ID, rock mx (Newb)  
 5090 CHINA *CNR* 4/21 1235 CH tlk (Newb-NE)  
 5470 LIBERIA *R Veritas* 4/4 0634 rel mx, tlk, nx, IDs (Alex-PA)  
 5637.3 PERU *R Peru* 4/25 0205\* folk mx, anmts, ID, NA (Alex-PA)  
 5678 PERU *R Ilucan* 4/25 0055 folk mx, anmts, ID (Alex-PA)  
 5770 NICARAGUA *R Miskit* 4/25 0302\* fair pops, folk mx, ads (Alex)  
 5835nf KALININGRAD *RN* Relay 4/12 \*2030 DT (Padu-AUS)  
 5850 GERMANY *Sunrise R* 4/4 0703 EG nx, ads, jingles, pop (Alex-PA)



# International Band Loggings

Wallace C. Treibel  
357 N.E. 149th Street  
Seattle, WA 98155

- 5915 SLOVAKIA R Slovakia Int in GM 0757, IS, ID's, tlk, fgy, class mx, //6055 (Serra ITALY 4/13)
- 5950nf? LITHUANIA R Vilnius in EG 0038, feature on lcl lang & archeology, vg (Wolf OH 4/6)
- 5950v GUYANA V of Guyana in EG 0800, relig mx, HD vcls, ID, f-g after WYFR\* (Alexander PA 4/26)
- 5965 CANADA BBC relay Sackville in EG 1030, "On Screen" movie nx, exc (Fraser MA 4/14)
- 6120 CANADA R Japan relay Sackville in EG 1130, "Hong Kong Kaleidoscope", g (Fraser MA 4/11)
- 6155 ROMANIA R Romania Int in EG 0208, history feature, sports, ID (Paszkievich WI 4/13)
- 6160 CANADA CKZN St Johns in EG 0845, local wx, many ments of Newfoundland (Krause OH 4/5)
- 6185 MEXICO R Educacion Mexico City in SP 1000, radio drama, mx, vcls, exc (Robinson TN 4/9)
- 62173nf? ALBANIA R Tirana in EG 0130, nx, cmntry, ID, //7160 (Alexander PA 4/18, Wolf OH 4/12)
- 68116 PERU R Ondas del Rio Mayo in SP 0228\*, tlk, ID, s/off w/NA, g (Alexander PA 5/3)
- 6940 ETHIOPIA R Fana Addis Ababa in lang 1513, chorus mx, tlks, //6210, f (Flynn OR 4/22)
- 7125nf? CROATIA R Croatia Int in EG/CR 1205, nx, wx rpt, ID, pop mx, tlk (Serra ITALY 4/12)
- 7125 GUINEA R Dif Nacional in FR 0650, tlk, ID, Afr hi-life mx, //9650 (Alexander PA 4/25)
- 7160 ALBANIA R Tirana in EG 0145, mx pgm, folk songs abt marriage (Robinson TN, Yajko PA 4/23)
- 7255 BOTSWANA R Botswana in EG/lang 0440, nx re survivors of plane crash (Newbury NE 4/24)
- 7260 RUSSIA V of Vietnam relay Arnavir in EG 0344, tlk re military involvements, mx w/military-like vocals, sig varied in strength & readability, ID at 0356 s/off, F-p (Fine VA 5/4)
- 7280 BOTSWANA VOA relay in EG 0351, interview of forensics expert, g (Newbury NE 4/21)
- 7285 GERMANY D Welle Wertachtal in EG 0218, mailbag w/mx breaks, exc (Krause OH 4/12)
- 7300 SLOVAKIA R Slovakia Int in EG 0102, feature on "Slovakia Today", f (Yajko PA 4/23)
- 7405 CHINA China R Int Jinhua in EG 1410, world & lcl nx, cmntry re Taiwan, g (Newbury NE 4/20)
- 7450 GREECE V of Greece in EG 0145, tlk re excavation on island off Greece, g (Pasquale PA 4/10)
- 7475 TUNISIA RTV Tunisienne Sfax in AR 0417, AR pop mx and tlks (Paszkievich WI 4/11)
- 9080 CHINA CPBS-1 Beijing in CH 1732\*, fine CH instl mx, NA & ID at s/off (Serra ITALY 4/26)
- 93251 NORTH KOREA R Pyongyang in RS 1735, choral chant, anmts, tlk, QRM (Serra ITALY 4/26)
- 9475nf? SWEDEN R Sweden in EG 0332, tlk re play "Jesus Christ Superstar" & arts/mx (Krause OH 4/14)
- 9505nf? HUNGARY R Budapest in HG \*1956-2037\*, mx, tlk re "Budapest...Magyar", f (Robinson TN 4/6)
- 9525 INDONESIA V of Indonesia Jakarta in IN 1210, classical mx w/voice overs, pop tunes, SC1 1258, IS, ID w/lots of mentions of Jakarta & Indonesia, s/off 1300 (Ziolkowski NY, Pasquale PA 4/18)
- 95304 BRAZIL R Nova Visao in PT 2255, relig pop mx, full ID 2300 (Novello NC 4/26)
- 9550 UKRAINE RUI in EG 0300, IS, ID, economic nx, rpt on pipeline, g (McGuire MD 5/15)
- 9565 BRAZIL R Universo in PT 0056-0255, relig pgm, preaching, //6060 (Flynn OR, Ziolkowski NY)
- 9580 HUNGARY R Budapest in EG 0100, features, curbing smoking in HG (Pasquale PA, Robinson TN)
- 9610 TAIWAN R Taipei Int in EG 1233, tlk abt contest for listeners, f (Yajko PA 4/26)
- 96301 BRAZIL R Aparecida in PT 0154, relig tlk/mx, prayers, ID, //6135 (Ziolkowski NY, Serra ITALY)
- 9640nf? ECUADOR HCJB Quito in EG 0957, "Ham Radio Today" to S Pacific, g (Yajko PA 4/22)
- 9645 BRAZIL R Bandeirantes in PT 0215+, PT ballads/pops, ID, anmts, ads, covered by Vatican Radio s/on at 0229, //6090, 11925 (Alexander PA 5/3, Ziolkowski NY 5/3)
- 9650 CANADA R Korea relay Sackville in EG 1130, ID, fgy, sked, polit & econ nx, g (McGuire MD)
- 9655 TURKEY V of Turkey in EG 2200, features, mail, mx, vcls, nx, //7190 (Robinson TN, Fraser MA)
- 9665nf? ASCENSION IS R Japan relay in EG 0025, Asian nx & mx, ID, QRN (Krause OH 5/3)
- 9665 MOLDOVA V of Russia relay in EG 0200, world nx, "Moscow Mailbag" (Krause OH 4/5)
- 9675 PAPUA NEW GUINEA Port Moresby in EG/lang 0745, ID, lcl nx, island mx (Findlater CA 4/20)
- 9690 SPAIN China R Int relay in EG 0300, IS, ID, world nx, ment of Yugoslavia, g (McGuire MD 5/1)
- 9755nf? USA V of Greece relay Delano in EG 0730, ID, nx on vote in Ireland, g (Findlater CA 4/20)
- 9780nf? FINLAND YLE R Finland in EG 0222, QTH, press rpts, QRM from R Canada (Krause OH 5/6)
- 9780nf? UNITED KINGDOM Merlin Network One in EG 2230-2330, American country mx with promo for a country mx fest in the UK, g (Pasquale PA 4/8, Krause OH 5/6)
- 9795 NEW ZEALAND RNZI in EG 0815-1030, "Saturday Night" mx pgm, nx re New Zealand, TP 0815 (Serra ITALY 4/13, Fraser MA 4/11, Yajko PA 4/22) ED: strong QRM from RFI 9805 rpid by Serra
- 9820 GUAM KTWR Trans World R in CH 1505, nx, religious and ezl mx, ID (Newbury NE 4/22)
- 9840 HUNGARY R Budapest in EG 0230, IS, ID, political & economic nx, g (McGuire MD 4/18)
- 9855 GERMANY R Vilnius relay Julich in EG 0030, rpt on KGB recruiting in Lithuania (Pasquale 4/18)
- 9890 MADAGASCAR R Nederlands relay in EG 1330, wx prt, "Newslite" (Krause OH 4/4)
- 9965 ARMENIA V of Armenia in EG 2030, fgy info, Yerevan QTH for recep rpts, g (Robinson TN 4/6)
- 11565 HAWAII KWHI Naahele in EG 1322, rock mx, nx re tomado recovery, sports, wx (Newbury 4/20)
- 11605 ISRAEL Kol Israel in EG 1900, cmntry re peace tlks, mx, vcls, //9435 (Fraser MA, Robinson TN)
- 11660 CHINA China R Int Kunming in EG 1308, world & local nx, tlk on current affairs (Krause OH 4/3)

- 11660 AUSTRALIA RA in EG 1528, stock report, Internet address, business nx, f (Newbury NE 4/20)
- 11675 MOLDOVA V of Russia relay in EG 1845, "Moscow Mailbag", features on Yeltsin, Aleutians, auto production, religious show, tlk re famous Russian Christian (Fraser MA 4/9, Krause OH 4/12)
- 11680 NORTH KOREA R Pyongyang in CH 0700, long speech, ment Pyongyang, f (Findlater CA 4/17)
- 11715 ALGERIA R Algeria Int in EG 2000, nx, cmntry, AR mx, ID, sked (Alexander PA, Ziolkowski NY)
- 11720 BULGARIA R Bulgaria in EG 1920, feature on gypsies in Bulgaria, //9700 (Fraser MA 4/9) in EG 0217, tlk abt astronaut pgn, feature on poet and his writing (Krause OH 4/19)
- 11725 SWITZERLAND SRI in EG 2004, nx re Africa, "Newsnet", lcl wx rpt, QRM (Krause OH 4/10)
- 11730 USA V of Greece relay Delano, CA in EG 1340, nx re Greece and Greek people (Krause OH 4/11)
- 11735 NORTH KOREA R Pyongyang in EG 1501, ID, upbeat propaganda, f (Newbury NE 4/23)
- 11785 IRAQ R Iraq Int in AR/EG 0250-0404\*, mid-east mx, tlk in AR, into EG 0315, ID's, nx, cmntry, anti-USA tlk (Alexander PA 4/11, Paszkiewicz WI 4/3, McGuire MD 5/13, Borowski NY 5/10)
- 11800 CHINA CPBS Beijing in CH 0700, OM & YL in dialog, ment Beijing, f (Findlater CA 4/16)
- 11804 BRAZIL R Globo in PT 2107, tlk by OM, singing ID repeatedly, p (Ziolkowski NY 4/17)
- 11810 RWANDA D Welle relay in EG 1939, feature on pro wrestling in Uganda (Krause OH 4/10)
- 11880 AUSTRALIA RA in EG 0745, horse race coverage, pop mx, nx, g, //13605 (Alexander PA 4/26)
- 11900 FINLAND YLE R Finland in EG 0200, fpy, sked, ID, econ nx, features (McGuire MD, Krause OH)
- 11900 INDIA AIR Bangalore in Tibetan 0135-0200\*, exotic vocals, YL tlk (Paszkiewicz WI 4/1)
- 11990 KUWAIT RK in EG 1810, nx, relay of FM 99.7, US pop rx (Pasquale PA 4/5, Krause OH 4/11)
- 12040nf UKRAINE R Ukraine Int in EG 0059\*, caught end of xmsn, sked, ID, g (Alexander PA 4/18)
- 12095 UNITED KINGDOM BBC Skelton in EG 1740, "Soundbytes", millenium bug (Fraser MA 4/14)
- 13625 FRENCH GUIANA R France Int relay in EG 1230, "Club 9516", ID, world nx, mention of shooting in Arkansas, exploring ancient microbes in Lake Vostok (Fraser MA, McGuire MD, Newbury NE)
- 13675 UNITED ARAB EMIRATES R Dubai in EG 0330, ID, rpt on nuclear testing in India (McGuire MD)
- 13690 UNITED KINGDOM Merlin Network One in EG 2249, country mx, //11985 (Krause OH 5/6)
- 15084 IRAN VOIRI Teheran in Persian 0545, dialog, ment Teheran 0600, weak bt audible (Findlater CA)
- 15110 KUWAIT R Kuwait in AR 0500, long tlk, ment Saudi Arabia, Clinton, Iran, f (Findlater CA 4/16)
- 15120 NIGERIA V of Nigeria in EG 1900, regional nx, Afr pop mx, cmntry (Paszkiewicz WI, Fraser MA)
- 15175nf BULGARIA R Bulgaria in EG 1145, tlks re life in Bulgaria, folk mx, travel (Krause OH 4/3)
- 15240 SOUTH AFRICA Channel Africa in EG 1720, nx re wrestling tournament in Uganda (Pasquale PA)
- 15435 JORDAN R Jordan in AR 0600, nx "from Amman", AR mx, some chants, f (Findlater CA 4/16)
- 154449 SEYCHELLES FEBA in Tibetan/Nepali 1227, anmts, ID, IS, tlks in langs (Serra ITALY 4/25)
- 15445 BRAZIL R Bras in EG 1246, tlk on air conditioning health problems, pop mx (Newbury NE 4/21)
- 15450 PHILIPPINES FEBC Radio Int in CH 0630, sermon, ID, f (Findlater CA 4/16)
- 15510 AUSTRALIA RA in EG 0552, "Australia Today", ID, nx, //13605, g (Buennema MO 4/16)
- 15545 BELGIUM R Vlaanderen Int in EG 1230, DX pgn, lcl nx, press review (Yajko PA, Krause OH)
- 15575 UNITED KINGDOM BBC Skelton in EG 1520, radio drama mystery, ID (Newbury NE 4/20)
- 15575 SOUTH KOREA R Korea Int in EG 0235, tlk re eating & stress, listener's mail, g (Krause 4/18)
- 15670 CHINA CPBS Kunming in CH 0600, dialogue, ment Hunan, Kunming, martial mx (Findlater 4/20)
- 17575 FRENCH GUIANA R France Int relay in FR 1033, cmntry, ID, sports nx, many //s (Serra 4/13)
- 17580 RUSSIA R Nederlands relay Khabarovsk in DT 0024, ID, NA, weak bt no QRM (Ziolkowski 4/8)
- 17640 NORWAY RNI in EG 1610, mailbag, features "challenge facing the sea" & "Norwegians go to the mountains for Easter skiing" (Newbury NE 4/12, Krause OH 4/19) ED: EG xmsns on Suns only
- 17675 NEW ZEALAND RNZI in EG 0105, nx re New Zealand, Dixieland jazz (Yajko PA, Newbury NE)
- 17760 SINGAPORE BBC relay in EG 0645, ID, Puccini opera, comments on his life, nx (Findlater 4/20)
- 17810 JAPAN R Japan Tokyo in EG/JP 0640, ID, JP/EG language lesson, g (Findlater CA 4/20)
- 17870 SOUTH AFRICA Channel Africa in EG 1302, cmntry on African topics w/correspondents, mx tlks, political interviews, ID, f (Serra ITALY 4/25)
- 21455usb ECUADOR HCJB Quito in EG 0109, world nx, "Mission Network", f (Yajko PA 4/22)
- 21465nf COSTA RICA RFPi in EG 2200, Black/White morality, lcl nx, DX w/Hauser, vg (Wolf OH 4/19)
- 21545nf? CHILE Voz Cristiana in SP 0000-0045+, contemporary SP Christian mx, ID's on the half hr, gone at 0100 recheck, vg, "surprised to hear these guys at this time" (Alexander PA 4/25)
- 21605 UNITED ARAB EMIRATES R Dubai in EG 1614-1637\*, mx to 1630, ID, nx mostly concerning Middle East and Asia, exc (Krause OH 4/4)

#### CLANDESTINE STATIONS

- 7295 IRAN V of the Islamic Rev of Iraq in lang \*0330-0400+, Mideast mx, slight co-channel QRM, covered by R Free Europe s/on 0400, //6195, 7115 (Alexander PA 3/21)
- 7530 TAJIKISTAN R Free Asia relay in Burmese 0130\*, ID in EG, stringed instrm mx (Costello NJ 3/24)
- 9380 TIBET? V of Tibet in Tibetan? \*0000, pleasant Oriental melody faded up & down to accomodate short ancncts in lang, extended tlk, fair sig bt muffled speech audio, xmtr off 0009 (Hill MA 4/23)
- 11605 UKRAINE(?) V of Oromo Liberation in lcl lang? 1704-1720, tlks interspersed w/African vcl mx-choruses etc, f, does anyone know if this one is from the Ukraine? (Flynn OR 4/26)
- 11645 GERMANY V of Free Nigeria relay in EG 1900-2000, political tlk, Sat only, vg (Alexander PA)
- 119349 ISRAEL(?) V of Southern Azerbaijan relay? in lang? 0612, melodic IS, QTH?, semi-classical orch mx, more tlk 0621, weak sig (Berg MA 3/1)

ED: I regret that it was not possible to include these Clandestine loggings in last month's column which explains how some of them are less than 'current'.

TENTATIVE, PRESUMED, OR UNKNOWN

- 5980 UNIDENTIFIED Unknown w/Indian-like chant at 1558, unclear ancmt, 6 pips on the hr, possible ID and nx?, tlks, vp (Serra ITALY 4/15) ED: Possibly Kota Kinabalu, Malaysia??
- 6072 INDONESIA(?) RRI Jayapura(t) in IN 1536, relig pgm, preacher, organ, no ID on hr, p (Flynn OR)
- 6250 EQUATORIAL GUINEA(?) R Nacional(t) in lang? 0457, IS on local instruments - about 4 notes repeated, brief ancmt by OM, non-stop mx with drums, p (Flynn OR 3/26)
- 65495 LEBANON(?) V of Lebanon(t) in AR 1836, AR songs, ancmts, no ID, f-g (Serra ITALY 3/6)
- 7110 ETHIOPIA(p) V of Ethiopia(p) in lang 0358, E African pop mx, no ID (Paszkievicz W1 3/8)
- 94947 ABKHAZIA(?) R Republik Abkhazia(t) in lang 0329-0405, tone, chorus, tlk, mx (Paszkievicz 4/3)
- 96503 URUGUAY(p) Emisora Ciudad de Montevideo in SP 0001, ads, promos, long sports remote, wiped out at 0030 by VOIRI and VOA relay Thailand s/ons (Novello NC 3/12)
- 97051 CHINA(p) V of Pujiang Shanghai(t) in lang? 1230\*, long tlk by YL, Asian mx, NA (Novello 3/13)
- 9770 EGYPT(?) Egyptian R(t) in AR? 0335, poor audio similar to R Cairo's, tlk, mx (Costello NJ 4/5)
- 98499 UNIDENTIFIED Unknown in AR 1218-1225, tlk, AR mx, ancmts, p (Serra ITALY 4/25) ED: This could be Egyptian Radio listed in PWBR at 9850, possibly.
- 100095 VIETNAM(p) V of Vietnam(t) in lang 1236, very weak but clear (Ziolkowski NY 4/4) ED: There's little doubt that your presumption is correct. I have never hrd an ID on the Dom Sve here on WCNA
- 10330 INDIA(p) AIR Delhi(p) in lang \*1244, weak but in the clear, no ID hrd (Ziolkowski NY 4/4)
- 11620 TAJKISTAN(t) RT Dushambe(t) in RS? 1645, YL reading, ment Rossi (Pasquale PA 3/7)
- 11705 BRAZIL(t) R Nova Visao in PT 0202, phone calls, requests?, vlcs, guitars, no ID, f (Flynn OR 5/3)
- 11895 BRAZIL(?) UNIDENTIFIED in PT 0020, relig sounding tlk, jingle, ID given but not understood, somber mx, weak but clear sig, WRTH lists Porte Alegre as inactive here, until 1995 shown as Radio Nova Esperanca and changed in 1996 to Radio Rio Grande do Sul (Ziolkowski NY 3/21)
- 11905 UNIDENTIFIED in lang? 0024, vcl & instrml mx, Indian sounding, tlk in lang, AR-sounding call to prayer?, upbeat carnival-like mx, chants, 5+1 pips 0100, f (Ziolkowski 4/14) Could be Sri Lanka?
- 119404 CAMBODIA(p) Nat V of Cambodia(p) in lang \*1200, tlk, Asian mx, VOA QRM (Rippel VA 4/14)
- 119547 ANGOLA(p) R Nacional(p) in PT? 0025, tlks, pop mx, pips 0100, nx?, no ID heard, wiped out at 0058 when VOA signed on, weak sig, vp overall (Ziolkowski NY 5/5)
- 12100 UNIDENTIFIED OM in SP 0050 with futbol highlights, lots of goals!, ID? at 0059 but not clear, single time pip 0115, possible harmonic of HCJB on 6050? (Ziolkowski NY 3/28)
- 12120 GEORGIA(t) V of Hope via Tbisisi relay(t) in lang? 1532, relig pgm, OM preaching, vocal hymns, organ amx, not much copy with het & deep fades, p (Flynn OR 3/23)
- 15125 INDONESIA(t) RRI Jakarta(p) in lang 0050, pop mx, YL anc, ID over mx on the hour, ID sounded like English "National Radio", poor sig in the clear (Ziolkowski NY 4/5)
- 15275 UNIDENTIFIED in AR \*0400, continuous chants for 15 mins, AR tlk, no ID, exc (Findlater CA 4/2)
- 15320 CHINA(p) CBCS Taiwan(p) in CH 0500, dialogue, ID not decipherable, p (Findlater CA 4/2)
- 15445 SEYCHELLES(p) FEBA(p) in lang 1301, Bhili & Bhojpuri dialects?, sub-cont mx (Costello NJ 4/4)
- 155196v BANGLADESH(p) R Bangladesh(t) in lang? 1452, Dhaka HS(t) with subcont vlcs by what sounded like young girl or OM falseto, ancmt, unusual pips 1500, weak & choppy sig (Hill MA 4/24)

LOGGINGS FROM BOB PADULA "DOWN UNDER"

Since Bob Padula's loggings did not include any program details, I am putting them here as an added summary of his recent DX'ing activities from his QTH in Australia:

- 7170 CHINA CRI Beijing in Esperanto \*1100 (4/12)
- 7185 HUNGARY R Budapest in Croatian \*0430-0500\* (4/17)
- 7195 TURKEY VOT Ankara in TK 2140 (4/10)
- 7260 THAILAND RT Bangkok in Thai \*1100 (4/11)
- 9485 GUAM KTWR Merizo in KR 2140\* (4/10)
- 9605 ROMANIA RRI in FR \*0500 (4/17)
- 9655 FINLAND RF Helsinki in SW \*2245, //11895 (4/10)
- 9745 SOUTH AFRICA AWR Meyerton in EG \*2030 (4/12)
- 9805 HUNGARY R Budapest in HG 2030 (4/12)
- 9810 SINGAPORE Swiss R Int relay in EG \*1100 (4/11)
- 9865 RUSSIA R Vlaanderen Int relay Petropavlovsk in DT \*1200 (4/11)
- 11905 HUNGARY R Budapest in HG 2215 (4/13)
- 13640 PORTUGAL RDPI Lisbon in PT \*2300 (4/16) First time for RDPI in 13 mhz band
- 13725 TURKEY VoT Ankara in Urdu 1205 (4/11)
- 15250 NETHERLAND ANTILLES RN relay Bonaire in DT \*1200 (4/11)
- 15375 TURKEY VoT Ankara in TK 0450, //21715 (4/17)
- 15625 NORWAY RNI Oslo in NO 1105 (4/11)
- 17515 SWITZERLAND SRI Bern in EG \*1100 (4/11)
- 17535 NORWAY RNI Oslo in EG 1205, //17785 (4/11)
- 17585 BULGARIA RB in EG \*1000, in GM 1100, //15175 (4/11)
- 17745 TURKEY VoT Ankara in CH \*1100 (4/11)
- 21810 SWEDEN RS Stockholm in SW 1205 (4/11)

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<i>Shortwave Listening Guidebook</i> by Harry Helms. Covers equipment, antennas, propagation, station profiles, utilities, clandestines, QSL'ing, etc. 315 pages.	\$19.95 +2.00 s/h
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