

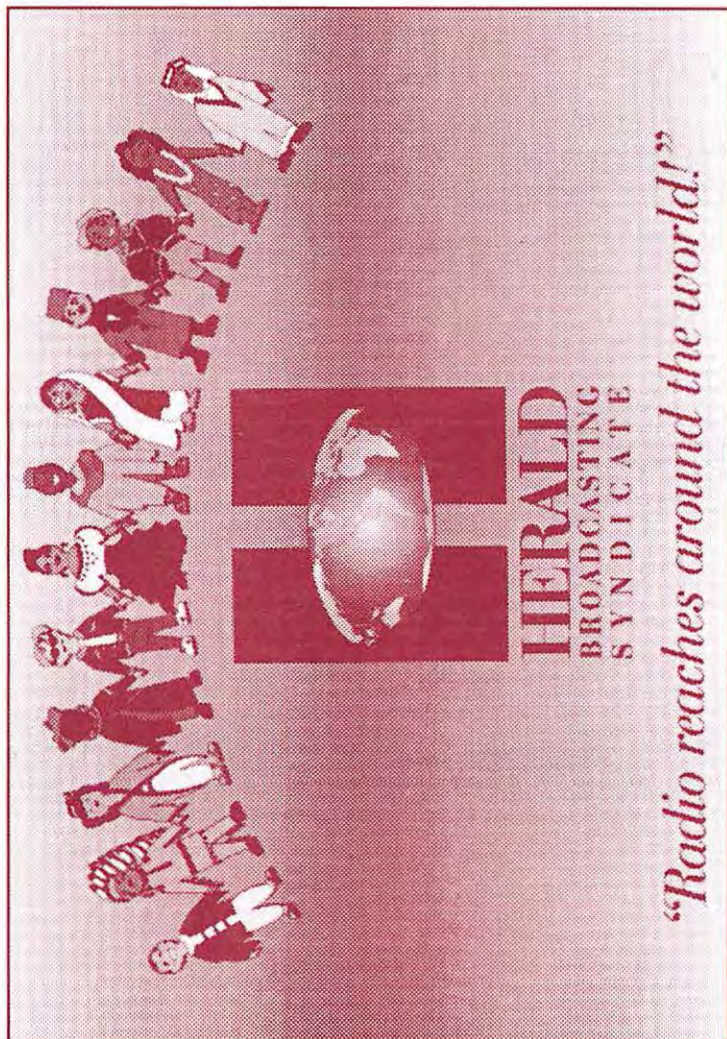
# NASA

# the JOURNAL

NORTH AMERICAN SHORTWAVE ASSOCIATION

VOLUME XXXVIII NUMBER 11

NOVEMBER 1998



**HERALD**  
BROADCASTING  
SYNDICATE

*“Radio reaches around the world!”*

# Quality Communications Equipment Since 1942

## DRAKE

### SW-2

- Full Coverage
- LW/MW/SW
- Sync. Detect.
- AMLS/USB
- 100 Memories
- 100 Hz Readout



Made in America

The Drake SW-2 may be the best value in shortwave radio today. The SW-2 covers all longwave, medium wave (AM) and shortwave frequencies. Single sideband is easily tuned with separate LSB and USB positions. When a shortwave signal does start to fade you can engage sideband selectable synchronous tuning to stabilize and improve the signal. The nonvolatile memory system stores 100 channels. Other refinements include: RF Gain, Tuning Bar Graphs, Huge 100 Hz readout and Dimmer. Dual antenna inputs accept either a PL-259 coaxial or wire feedline. A mini earphone and 1/4" external speaker jack are provided. The optional remote (shown) lets you operate this radio from across the room (Order #1589 \$48.95). All Drake receivers are proudly made in Ohio, U.S.A. and feature a one year limited warranty.

List \$499.00 Order #2222 \$489.95 Sale \$399.99 (+17 UPS)

## DRAKE

### SW-1

- Full Coverage
- LW/MW/SW
- Digital Readout
- Keypad Entry
- 32 Memories
- RF Gain

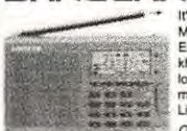


The Drake SW-1 sets the stage for worldwide shortwave listening with ease, simplicity and clarity. Coverage from 100 through 30000 kHz provides solid coverage of longwave, medium wave and shortwave in the AM mode (no SSB). This makes it an ideal broadcast receiver for the desk or bed-stand. Tuning is a snap via the keypad, manual tuning knob, Up/Down buttons or 32 memories. The huge LED display features 1 kHz readout. Antenna input is via a 50 ohm terminal or SO-239 jack. A 1/8" mini jack is provided for use with earplug or headphones (not supplied). Operates from 12 VDC or supplied AC adapter.

Order #1100 \$249.95 Sale \$199.99 (+17 UPS)

## SANGEAN

### ATS-606AP



It's all here. You get continuous coverage of LW, MW and SW (153-30000 kHz) plus FM stereo. Enjoy 54 memories, scanning, dual clock timer, 1 kHz LCD, dual conversion circuit, dial light, dial lock, keypad entry and local DX switch. Includes multivoltage AC adapter and wind-up antenna. Limited time offer. One year limited warranty.

Order #3319 \$479.95 Sale \$399.99 (+16 UPS)

## JRC

### NRD-545 DSP



The new Japan Radio Co. NRD-545 DSP is the most sophisticated receiver ever developed for the hobby market. Please call to receive full technical details and pricing.

## GRUNDIG

### YB-400 PE

The new YB-400 PE has a striking titanium colored case and includes a wind-up antenna, case, SW Guide and AC adapter. This is our best selling workhorse portable! List \$249.95 Order #0400 \$199.95 (+16)

The original YB-400 is similar but with a black colored case (AC adapter optional). List \$219.95 Order #0404 \$169.95 (+17)

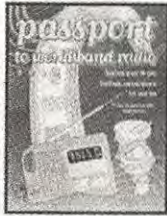
Get a FREE Lucite stand with either model!



NEW  
● Passport To World Band Radio New 1999 Edition!

Here is everything you need to know about when and where to hear the world; hour by hour, country by country and frequency by frequency. Equipment reviews, too. This 560 page book is the world's #1 shortwave guide. Brand new 1999 Edition!

#1000 Sale \$15.90 (+12)



## WIND-UP



The BayGen FPR-1 Freeplay radio combines the ingenious Baylis generator with the latest in radio technology. Winding the handle for 20 seconds provides 30 minutes of listening. Here is assured radio performance, day or night without the worry (and expense!) of batteries. The analog dial covers AM, FM and SW from 3 to 12 MHz. Made in South Africa. #3123 \$99.95 (+17)

The smaller Freeplay FPR-2 model covers just AM & FM. #2667 \$69.95 (+16)  
The Freeplay FPR-2SM is gray, AM & FM with solar cell. #2413 \$79.95 (+16)  
The Freeplay FPR-2SC is clear, AM & FM with solar cell. #1441 \$79.95 (+16)

## FREE BOOKS

Select one FREE bonus book with your purchase of a new: Drake RBB, Drake SW8, JRC NRD-345, JRC NRD-545 or Sangean ATS-818CS. Values to \$29.95!

- Bonus Book A PASSPORT TO WORLD BAND RADIO 1999 #1000
- Bonus Book B SHORTWAVE RECEIVERS PAST & PRESENT 3rd Ed. #0003
- Bonus Book C SHORTWAVE LISTENING GUIDEBOOK 2nd Ed. #2984
- Bonus Book D WORLDWIDE AERONAUTICAL FREQ. DIR. 2nd Ed. #0042
- Bonus Book E PIRATE RADIO (+Audio CD) #3038



## SANGEAN DT-300VW

This AM, FM, FM stereo, VHF TV audio and the weather band radio fits in your pocket! Features include: 36 memories, auto-shutoff, LED tuning indicator, built-in speaker, clock, alarm and sleep timer, earphone jack and lightweight stereo earbuds. Requires two AAA cells (not supplied). Only 2.35" x 3.9" x .75". 3.4 oz.

DT-300VW List \$99.95 Order #3262 \$74.95 (+16)

**Universal Radio, Inc.**  
6830 Americana Pkwy.  
Reynoldsburg, Ohio  
43068-4113 U.S.A.

800 431-3939 Orders & Prices  
614 866-4267 Information  
614 866-2339 FAX  
dx@universal-radio.com  
www.universal-radio.com

Visa, Mastercard or Discover card.  
Prices & specifications subject to change.



## COMMUNICATIONS CATALOG

Universal Radio's *Catalog 98-06* covers everything for the shortwave, amateur and scanner enthusiasts. With informative photos and full descriptions. To request your free copy please call toll-free:

1 800 431-3939

**universal radio inc.**

Quality Equipment Since 1942

**Richard A. D'Angelo**

2216 Burkey Drive

Wyomissing, PA 19610

Genie: R.D'ANGELO3

Internet: r.dangelo3@genie.com

Effective immediately, my new e-mail address is rdangelo3@aol.com. Please use it for all NASWA correspondence. My old address died unexpectedly after a long illness! I had been having numerous problems with my old internet provider that, in my opinion, were unacceptable. Therefore, I pulled the life support plug; i.e. I discontinued using that service, without any notice to the club's membership. The migration over to America Online was pretty simple. Actually, my daughter talked me into AOL a number of months ago, which made the migration to a new system easy for me. Any material sent my way via e-mail from mid-September was never retrieved by my old system. Since I always confirm receipt of any electronic submissions by members, if you did not hear from me then I never received the material. If possible, please send it again.

Somewhere along the line I missed including information about the results of the 1998 North American DX Championships ("NADXC") sponsored by the Association of North American Radio Clubs ("ANARC"). From the mouth of the infamous Dr. Cones comes the following: "ANARC is pleased to announce that the winner of the 1998 North American DX Championships is **John Lyon** of White Bear Lake, MN. Lyon's winning entry totaled 48,616 points, computed from reception of 194 stations in 103 countries. Lyon was the second place winner in last year's NADXC. Second place, with 22,908 points, went to **Robert Gearing** of Palm Beach Gardens, FL. The third place finisher

### 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.

(6,328 points) was **Kate Sullivan** of Roxbury, MA. The top three winners received plaques from ANARC. All participants received certificates indicating their place of finish in the North American DX Championships." Congratulations to all!!! Also, thanks to Harold for another excellent event. We anticipate publishing the information for the 1999 NADXC in January's Journal.

Welcome back to the Shortwave Center editor's chair to **Jerry Lineback**. If you read last month's SWC column, you get the impression Jerry's edited a column or two over

Our Motto is - "Unity and Friendship"

## Calendar Of Events

- Nov 16 Meeting.** Philadelphia Area NASWA Chapter. Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831.
- Nov 16 Meeting.** Boston Area NASWA Chapter. The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 978-470-1971 or Internet: 74007.3434@compuserve.com. The URL for the BADX guys is <<http://www.anarc.org/naswa/badx/>>.
- Dec 13 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Dec 13 Meeting.** The Cincinnati/Dayton Monitoring Exchange (MONIX) meet at the Lebanon Citizens National Bank on U.S. Route 42 in Mason at 7:00 PM. For more information contact Mark Meece at 513-743-8089 or e-mail at <[mmeece@siscom.net](mailto:mmeece@siscom.net)>. For additional information about MONIX, check out their web site at <<http://www.siscom.net/~mmeece/monix.html>>
- Dec'98 Contest.** 1998 African DX Contest organized by Gruppo Radioascolta Liguria ("GRAL") will take place between 2200 and 2300 on December 20, 1998. Details in October's *Journal*. Send your entry to Alessandro Micheli, Via Lausen 16, 38050 Canal S. Bovo, Trento, Italy.
- 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 Kulpsville 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.
- Apr'99 Convention/DX Camp.** The Danish Shortwave Club International will hold its Annual General Meeting and DX Camp during the weekend of April 30-May 2, 1999 at a scout camp in the dunes of the west coast of Jutland, Denmark. Details to follow.
- Apr'98 Convention.** The 35th Annual International World Wide Continental DX Association (IWWCDXA) will be held in Tahiti at the Charlie Loudenboomer Estate on April 1, 1998 from noon until midnight. Charlie will lecture continuously during this 12-hour period on a variety of boring subjects some of which may actually pertain to shortwave radio. Registration fee is a modest \$150.00 with an extra \$50.00 charge for the traditional hamburger helper banquet. More information is available from Charlie at <[cl@sucker.com](mailto:cl@sucker.com)>.

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

the years, hi! It's great to have him editing SWC once again. Please support Jerry in his efforts to bring the best shortwave broadcasting information to you each and every month. Our thanks go out to Hans Johnson for his editorial contributions over the years. Hans edited the Listeners Notebook column for

about a year prior to his Shortwave Center editorship.

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



## 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 are soley 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)*

**Paul Brouillette** <[pjb@inil.com](mailto:pjb@inil.com)>, 611 Illinois Street, Geneva, IL 60134

I read with much interest the article in the July Journal by Bob Padula titled "Digital Transmission - A Technology Revolution!!" As an engineer myself, I am always interested in new technology. But also having become accustomed to listening to international broadcasts via shortwave over the past 25 years of my listening career, and having some of the "interesting" changes brought about by other technological breakthroughs, I am at once hopeful and a bit apprehensive.

If digital shortwave broadcasting can deliver as promised, audio could be near-CD quality. Program delivery will be cheaper for the broadcasters, so that even with reduced funds for international broadcasting, there will be a greater probability that the broadcasters will stay on the air. Thus, we would all enjoy programs of better technical quality, delivered more reliably than by current methods. (Speaking of current methods, I don't know about the rest of you, but even though I live in a major metro area [Chicago], international broadcasters are not available on my local cable, relays via local AM/FM are extremely minimal, and satellite dishes are forbidden in many, if not most, municipalities and subdivisions. Direct shortwave is still the best - regardless of standard analog vs. Digital modulation. At least digital-via-shortwave will not suffer the third-party "gatekeeper" phenomenon that is a potential of various relay technologies.)

The biggest potential problem I can foresee with implementation of digital shortwave broadcasting is that it may not be implemented gradually, and may not use a format that is compatible with the current analog standard, to allow analog/digital simulcasting during a transition period. Bob's article states that Thomcast's Skywave 2000 is just such a compatible system, and I would hope that it, or something similar, would be the method of introducing digital broadcasts to the shortwave bands. Otherwise, I fear that many people would be temporarily or even permanently cut off from international broadcasts due to their inability to afford new receivers right away (or ever, in economically deprived regions).

Another area of digital "broadcasting" which was predicted to take off, but really hasn't as yet, is the Internet. True, many stations are on the net, with either live or archived audio feeds. But no one - shortwave or domestic radio listener - has thrown away their radios in favor of the Internet. Why? I can think of lots of reasons: lack of portability (yes, you could

lie on the beach with a laptop and cell phone connected to the net, but I wouldn't want to see your phone bill!); expense (basic radios are still cheaper than basic computers, combined with ISP fees and the accompanying phone bill); a computer is too valuable a tool to tie up for hours at a time using it as a radio; slow modems, slow net connections and fileserver limitations force the available digital audio to sound truly awful on many websites - grossly under sampled, and to my ear, personally, much more annoying than analog distortion and static crashes as heard on conventional radio.

For use DXers out there, and especially fans of "hollow-state" rigs, digital broadcasting also means that we stand to lose something less tangible, but nonetheless personally important to us. It goes almost without saying that use of vintage equipment, and the romance of hearing a DX station through tons of static, may quite soon be a thing of the past. But the technological and economic forces of today's world don't leave room for feelings of that kind.

All in all, it will be interesting to see what transpires in the coming years.

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

Dan Ferguson talks about the possibility of a NASWA convention or meeting next summer. Also, he noted that his new house of a "sea of boxes" after moving from an apartment. Don Jensen's "On To The Top" series concluded in November. Due to a promotion to managing editor for the New Haven Register, Al Sizer was forced to resign as Shortwave Center editor. Larry Yamron reports in the QSL column that interesting veries were received from Radio Barlvento, Thai TV, Voice of Kenya and Mauritius. David Potter resigned as editor of the "C" portion of the Log Report due to a lack of time. Mac Leonhardt is the new editor for that portion of the LR. The club was offering the 1974 WRTH for \$6.50 which was \$1.00 less than the retail cover price. QSL Report had 46 reporters; Log Report had 56 reporters.

#### **Welcome to the following new NASWA members**

Robert P. Blair, Shelburne, VT  
Richard M. Forgnone, Batavia, NY  
Mary J. Harris, Walnut Creek, CA  
Sergio De Almeida Machado, Hamburg,  
GERMANY  
Jim Mayer, Norman, OK  
Joan B. Meister, Delta, OH  
J.A. Mitchell, Alvin, TX

Eric A. Morris, Hayward, CA  
Jack C. Ohmori, Dunwoody, GA  
Christopher Overman, St. Joseph, MO  
Mr. Thomas Rodier, Nashua, NH  
James L. Shiroda, Milwaukee, WI  
Philip P. Spencer, New Orleans, LA  
Bill Wheeler, Winton, NC

#### **NASWA**

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

# Easy Listening

John Figliozzi  
45 Algonquin Road  
Clifton Park, NY 12065-7703  
Internet: jfiglio1@nycopart.com

## Au Revoir

It has been my distinct pleasure over the past year and a half to serve as your Easy Listening interim editor while your regular editor, Rich Cuff, attended to some pressing personal business. Happily, Rich is now able to return and will be picking up the column with the December issue of *The Journal*. Welcome back, Rich!

Thank you to all who have contributed material or offered encouragement during my "watch". I won't be too far away as I expect to continue contributing material to the column regularly and the extra time I gain should permit me to do some feature writing on shortwave programming topics for *The Journal*.

But, as it is November, we have consider-

able business to attend to first—not the least of which are the many seasonal changes in schedules.

## BBC World Service

While not quite as extensive as the last go-round in May, World Service again has made some timing shifts in some of its regular programs. The good news is that at least there seems to be a pattern emerging here, if you compare the chart below with that published in the May EZL column. All the same, listening patterns are again disrupted without necessity, in this observer's view.

### Seasonal Changes in the Timing of Regular Programs

Here's a chart detailing only those broadcast times of regular BBC Americas/Europe stream programs that have changed:

<u>Program</u>	<u>moves from</u>	<u>to</u>	<u>on</u>
<i>A Jolly Good Show</i>	0630	0730	Sun.
<i>Assignment</i>	0530	0330	Fri.
<i>Discovery</i>	0530	0630	Tue.
<i>Europe Today</i>	1600	1700	Mon.–Fri.
<i>Features block</i>	0430	0530	Mon.
	0530	0330	Thu.
	1730	1615	Fri.
<i>From Our Own Correspondent</i>	1730	1615	Wed.
<i>In Praise of God</i>	0530	0630	Sun.
<i>Insight</i>	1715	1630	Mon.–Fri.
	0330	0430	Tue.–Sat.
<i>Jazzmatazz</i>	0730	0530	Sun.
<i>Letter from America</i>	0615	0715	Sun.
<i>Music Brief</i>	0455	0555	Thu.
<i>Off the Shelf</i>	0345	0445	Tue.–Sat.
<i>One Planet</i>	0530	0330	Wed.
<i>Outlook</i>	0430	0530	Tue.–Sat.
<i>Play of the Week</i>	0530	0630	Sun.
<i>Record News</i>	1730	1615	Thu.
<i>Science in Action</i>	0530	0330	Sat.

<i>Science Extra</i>	1730	1615	Tue.
<i>Science View</i>	0455	0555	Fri.
<i>Seven Days</i>	1730	1615	Mon.
<i>Spotlight</i>	0455	0555	Sat.
<i>Take Five</i>	0455	0555	Tue. & Wed.
<i>Westway Compilation</i>	0330	0430	Mon.
<i>The Works</i>	0530	0330	Mon.
<i>World Business Report</i>	1630	1730	Mon.-Fri.
<i>World News</i>	1700	1600	Mon.-Fri.

Broadcasts of *Insight* at 0615 Tue.-Sat. and *Sunday Sportsworld* at 1605 are discontinued for the winter. The *World News* bulletin at 1600 Sun. is lengthened to 15 minutes and followed by a 30 minute *Features* block at 1615 and *Britain Today* at 1645. The Sun. 1445 airing of *Letter from America* has also been dropped, as has the 0030 Wed. broadcast of *The Farming World*, replaced by a new *Features* block. The *Features* block at 0615 Mon. has been dropped. The Sun. 0715 broadcast of *Health Matters* is dropped for the winter. *The Learning World* has apparently been discontinued, at least temporarily, and been replaced at 1130 Thu. by an additional airing of *Record News*.

#### November Highlights

[Listings are for the Americas/Europe stream. Frequencies for North America at 1000-1900 and 2100-0800 include from time to time 5965, 5975, 6175, 6185, 9515, 9590, 15220 and 17840.]

Premiering Nov. 3 and 6, *Wood, Guts and Brass* introduces you to some of the makers of musical instruments and talks with them about their craft (Tue. 0145; Fri. 1230)...On Nov. 7 and 8, *Play of the Week* broadcasts an encore presentation of the winning entry in the BBC's 1998 International Playwriting Competition, *Rock Ends Ahead*, kicks off the 1999 competition. Then, for four successive weeks beginning Nov. 14 and 15, *Play of the Week* presents a four-part adaptation of Dickens' *Hard Times*. Capitalism, the pursuit of profit and the way in which money corrupts are the themes that run through the story (Sat. 2230; Sun. 0630). The same week, *Meridian Feature* (Sat. 0630, 2130; Mon. 0230) makes Dickens' novel its subject in a special tie-in to the dramatization.

Other topics for the series this month include a profile of the extraordinary Japanese film director Akira Kurosawa and a consideration of the *Liubulero*, the introductory music for World Service news. (The rumor is that it is about to be dropped.)...On Nov. 8, World Service presents the annual *Remembrance Day Service* from the Cenotaph (1030) followed by a *Remembrance Day Talk* (1120)...Commencing Nov. 15 and 17, award-winning broadcaster John Pickford looks at the evolution of cities around the world in the five-part series *The Idea of the City* (Sun. 1701; Tue. 0330, 1030)...Returning Nov. 22 and 27 is a 12 week run of the program for listeners who have been intrigued by something they heard on World Service and want to find out more, *On Your Behalf* (Sun. 0130; Fri. 1615)...Premiering Nov. 23 is the *Electronic Jukebox* featuring an enhanced computer generated radio presenter with Level Two speech capabilities and specialist knowledge of electronic dance music (Mon. 1530)...Beginning Nov. 26 and 27, two installments of the documentary series *Assignment* examine the issues and emotions surrounding the political changes aimed at ending the conflict in Northern Ireland (Thu. 1830; Fri. 0330, 1030)...Starting Nov. 29, the World Service's weekly phone-in shifts to *Movie Call*, a four program series that permits listeners to ask questions of some of the leading players from the world of cinema (Sun. 1401)...Alistair Cooke, who turns 90 this month, continues his long-running series of insightful audio essays in his weekly *Letter From America* (Sun. 0030)...The *Composer of the Month* for November is *Claudio Monteverdi* (Thu. 0730; Fri. 0130), while *Performance* this month features the Spanish soprano *Victoria de los Angeles* (Sun. 2310; Wed.

1515)...This month's *Concert Hall* includes pieces of music that have gained the status of popular classics (*Sun. 1515*)....*Waveguide* airs this month on the *25th at 0030 and the 26th at 1230*....And *Brain of Britain* returns to a time convenient for North American listeners for the first time in nearly two years (*Thu. 0330*).

A reminder that several World Service programs carry over from the previous month. Consult October's EZL for details.

## HCJB—The Voice of the Andes

HCJB World Radio has instituted a number of programming changes over the past few months. One major change that began on October 26 was the decision to discontinue production of the long-running program *You Should Know* due to staffing limitations. This is most unfortunate as *You Should Know* was a unique program that discussed the ethical dimensions of current events and social trends around the world. This decision also follows by only a few months another that ended *The Least of These*, another one-of-a-kind program that focused on global efforts to alleviate poverty.

It is becoming increasingly apparent that times have become much tougher recently for this venerable missionary station. Count me as one listener, among presumably many, that hopes that whatever difficulties the Voice of the Andes might be experiencing the station will be able to preserve its status as the one religiously-oriented station that attracts and holds the attention of the more secular among us.

Here's HCJB's schedule to North America:

[0000-0700 on 9745 and 12015; 1100-1600 on 15115 and 12005]

0000 Su—*Nite Brite Kid's Club*; Mo—*Joni and Friends*; Tu—Sa—*Insight for Living*.

0005 Mo—*Hour of Decision*  
 0028 Tu—Sa—*Money Minute*  
 0030 Su—*Saludos Amigos*; Mo—*Mountain Meditations*; Tu—Sa—*Focus on the Family*  
 0056 Tu—Sa—*Beyond the Call*  
 0058 Tu—Sa—*Parent Talk Tip*  
 0100 Daily—*Latin American and International News*  
 0110 Su—*DX PartyLine*; Mo—*Musical Mailbag*; Tu—Sa—*Studio 9*  
 0130 Mo—*Adventures in Odyssey*; Tu—*El Mundo Futuro*; We—*Ham Radio Today*; Th—*Woman to Woman*; Fr—*Musica del Ecuador*  
 0200 Su—*Solstice*; Mo/F<sup>2</sup>—*Radio Reading Room*; Tu—*Simply Worship*; We—*The Book and The Spade*; Th—*Rock Solid!*; Sa—*Inside HCJB*  
 0215 We—*Words for Women*  
 0230 Mo—*L'Abri Lectures*; Tu—*Let My People Think*; W—*Unshackled*; Fr—*Inspirational Classics*; Sa—*Walkin' In The Sunshine*  
 0300 Su—*Alive! with Ron Hutchcraft*; Mo—*The Sower*; Tu—Sa—*Hope for the Heart*  
 0313 Tu—Sa—*Getting the Message*  
 0315 Mo—*The Word Today*; Tu—Sa—*Rendezvous*  
 0330 Mo—*Sounds of Joy*; Tu—*Master Control*; We—*Chords of Love*; Th—*The Living Word*; Fr—*Viewpoint*; Sa—*Adventures in Odyssey*  
 0345 We—*Wonderful Words of Life*  
 0400 (as for 0100-0200)  
 0500 Su—*Saludos Amigos*; Mo—Sa—(as for 0200-0230)  
 0530 Su—*Afterglow*; Mo—*The Sower*; Tu—Sa—(as for 0230-0300)  
 0545 Mo—*Science, Scripture and Salvation*  
 0600 Su—*Solstice*; Mo—*Mountain Meditations*; Tu—Sa—*Psychology for Living*  
 0615 Tu—Sa—*Stories of Great Christians*  
 0630 Mo—*Words to Live By*; Tu—Sa—*Nightsounds*  
 1100 Su—*Morning Song*; Mo—Fr—*Insight for Living*; Sa—*Your Story Hour*  
 1128 Mo—Fr—*Money Minute*

- 1130 Su—*The Christian's Hour*; Mo—Fr—*Morning in the Mountains*; Sa—*We Kids*
- 1200 Su—*Joni and Friends*; Sa—*A Visit with Mrs. G*
- 1205 Su—*Hour of Decision*
- 1215 Sa—*Adventure Pals*
- 1230 Su—*Words to Live By*; Sa—*Adventures in Odyssey*
- 1300 Su—*Weekend Magazine*; Mo—Fr—*Precept with Kay Arthur*; Sa—*Children's Bible Hour*
- 1313 Mo—Fr—*Getting the Message*
- 1315 Mo—Fr—*Proclaim!*
- 1330 Su—*Mountain Meditations*; Mo—Fr—*Focus on the Family*; Sa—*Jungle Jam and Friends*
- 1356 Mo—Fr—*Beyond the Call*
- 1358 Mo—Fr—*Parent Talk Tip*
- 1400 Su—*Simply Worship*; Mo—Fr—*Gateway to Joy*; Sa—*Alive! with Ron Hutchcraft*
- 1414 Mo—Fr—*Radio Bible Class Spot Radio*
- 1415 Mo—Fr—*Key Life*
- 1418 Mo—Fr—*Life Jewels*
- 1430 Su—*Moody Presents*; Mo—*Let My People Think*; Tu—*The Living Word*; We—*Back to God Hour*; Th—*CBF Presents*; F—*Haven*
- 1445 Th—*Science, Scripture and Salvation*
- 1500 Su—*Encounter*; Mo—Fr—*Back to the Bible*; Sa—*Words of Hope*
- 1525 Mo—Fr—*Joni and Friends*
- 1530 Su—*Let My People Think*; Mo—Fr—*Through the Bible*; Sa—*Songtime Weekend*
- 1558 Mo—Fr—*Parent Talk Tip*

## Radio Netherlands

RN has two new programs on its winter North American schedule. *Euroquest* is a magazine from and about Europe—its current affairs, social trends, arts and background stories. *Europe Unzipped* is a look at the past week in Europe with some "unusual" items that might not have made the headlines. Here's the grid: [2330-0125 on 6165/9845; 0430-0525 on 6165/9590]

- 2330, 0030, 0430 Daily—*News*
- 2340 Su—*Wide Angle*; Mo—Sa—*Newsline*
- 0040, 0440 Su—*Europe Unzipped*; Mo—*Sincerely Yours*; Tu—Sa—*Newsline*
- 2355 Su—*Aural Tapestry*; Mo—*Euroquest*; Tu—*A Good Life*; We—*Sounds Interesting*; Th—*Research File*; Fr—*Documentary*; Sa—*Roughly Speaking*.
- 0055, 0455 Su—*Weekend*; Mo—*Sounds Interesting*; Tu—*Research File*; We—*Music 52-15*; Th—*Documentary*; Fr—*Media Network*; Sa—*A Good Life*
- 0025 Su—*Insight*; Mo—*Four Minutes*; Tu—Sa—*Dutch Press Review*

## In Brief...

Merlin Network One has gone 24 hours. Right now the programming is primarily Euro rock and dance music with ads announcing the availability of time on the station. Schedule to North America: 2000-2200 on 11985, 2200-0000 on 9835, 0000-0300 on 9560, 0300-0600 on 9895....RCI, DW, Radio Sweden, China Radio International, Radio Budapest, RNZI, Radio Australia at morning in North America, SRI, YLE, VOR and VOA program offerings remain largely unchanged from the schedules printed in this column over the past months. Frequency and time changes (including YLE Radio Finland's return to mornings and RVI's move to early evenings via Bonaire) are available from Mark Fine's seasonal column in *The Journal*....Wojtek Gwiazda is back on the air again at RCI in a new morning program titled *First Edition* for European and African audiences at 0600 on 6090/6150/9740/9760/11905, a few of which should be audible in North America....Inasmuch as Radio Australia does not propagate during east coast evenings during the winter months, it makes no sense to detail program schedule changes now....No room for the Program Exchange this month. I'll pass on submissions to Rich for next month.

All the best, friends!



# Shortwave Center

**Jerry Lineback**  
506 South Lawrence Avenue  
Scranton, KS 66537  
Internet: jlinebk@satelephone.com

## Send Material for Shortwave Center, Please

Greetings again. Please send any suitable material for Shortwave Center by e-mail, snail mail, or what ever. Any suitable material related to shortwave radio listening, DXing, stations, DXpeditions, equipment,

antennas, etc., will be much welcomed. This is your chance to write something yourself or submit articles or information you find. If you don't, you will have to put up with my personal stuff.

## Beverage Antennas, Installation 1

Rather than waiting until I have completed my experiments with Beverage antennas for tropical band shortwave DXing to expound on the subject, I have decided to provide a blow-by-blow coverage of my attempts. This is done in the hope that my experiences can be of benefit to my fellow hobbyists. I am not the only one currently experimenting with Beverages and would enjoy receiving information from others to share in SWC.

### Electrical Interference

Before we get to a discussion of antennas, let's first deal with the bane of DXers and SWLs, man-made electrical interference. I doubt that there is any inhabitable place on the planet that is entirely free of man-made radio frequency (RF) interference. We all know that the electrical distribution system has numerous leaks of electrical energy to the ground or atmosphere, each of which can generate broad-band RF interference. In addition, many electrical appliances, such as TVs, computers, and certain types of lighting fixtures, generate RF fields as part of their normal operation. Malfunctioning systems also generate noise, and with so many systems in place in the average home or neighborhood, malfunctions are all too common.

When I lived in a small town in Illinois in the

1970's, electrical noise was not much of a problem on 60 meters, but sometimes was a problem on 90 meters and longer wavelengths. I moved to Texas in 1981, with results about the same as in Illinois. In both cases, I was using a 60 meter quarter-wave dipole antenna. When I moved to Georgia in 1987, I encountered electrical noise levels that rendered both 60 and 90 meters unusable for DX. This noise diminished above 7 MHz, but extended down into the broadcast band. Over time the noise level increased until it drowned out Atlanta stations on the car radio as soon as one turned into our subdivision. At that point, I called the power company to complain. I believed that, due to the strength of the interference on the BC band, they would do something about it. I was right, they replaced no less than 5 neighborhood transformers that had been damaged by lightning. Due to the nature of the transformer design, open arcing that produces RF noise can be caused by lightning striking the power lines, but the transformer will still work. Noise levels immediately dropped to about the levels I had experienced in Texas and Illinois.

In 1995, I moved back to my hometown of Garnett, Kansas, which proudly supports a local power plant and distribution system installed in 1910. DXing proved impossible

when electrical system interference coupled with interference from the neighbor's fluorescent lights and fish tank heaters. The city did replace some ailing transformers and fix other problems so that the noise level from the system fell to "normal" urban levels by the fall of 1997. That gave me literally a 50% time window for DX between neighbor-generated noise pulses (most likely that fish tank heater. My kids had a fish tank once. I had to unplug the bleeping thing every time I wanted to DX.).

I moved to Topeka, Kansas, in November, 1997, living in an apartment in the city for a while. The noise levels, again, made real DXing impossible. Since it appeared that I would be working in Topeka for a number of years, I decided to, once and for all, locate a place to live where man-made noise was minimal and I had room to put up some Beverages. The second place I looked at was a 10 acre square tract of virgin prairie near Scranton, Kansas, about 15 miles south of Topeka. I had told my real estate agent that electrical noise was my main concern and that I intended to test any property they recommended. The house on the place is a single-wide, but it was clean and had more room than the apartment. Therefore, I threw the R-7 in the car, plugged it into the lighter, and drove to the property about dark one evening last winter. I strung about 100 feet of wire out the window to a small tree, flipped the switch, and heard absolutely nothing. "Now wait a minute here," sez I, "was gibt?" I tuned around and began to hear stuff I aint never heard before below 5 MHz. I was just between stations and there was basically no electrical interference and extremely little atmospheric noise also (it was January, after all). So I immediately got out the checkbook and give my agent the earnest money.

The point of this discussion is that the best antenna, even a Beverage, will do you little good in a high-interference environment. As they say in the real estate business, the three most important considerations in buying property are: 1) location, 2) location, and 3) location. Serious DXers should consider where they live. Having a RF-quiet location may outweigh the disadvantages of commuting and rural isolation. Of course, it helps

if one is not concerned about the needs of a spouse or schools for the kids. It would be even better if one is also retired or rich-enough not to have to work (I have to leave for work just about the time AIR Chennai breaks for EG news at 1230, awful.).

## Initial Experiences With Antennas on the Prairie

Immediately upon arriving in Scranton in February, 1998, I put up a couple of experimental Beverages, each several hundred feet long and about 3 feet off the ground. Well, reception was great, but I immediately ran into problems with deer and a neighbor chasing his loose horse through my yard. It became obvious that the antennas had to be high enough to clear livestock, people, and native fauna. Therefore, I installed a Beverage at about 315 degrees using 22 gauge braided blasting wire (available in 5000 foot rolls). I augured three foot deep holes with a hand auger (no easy job in our heavy, clayey, and soggy soil) and dropped in 10 foot, 2-inch OD white PVC pipe. Attaching the wire to the top of the pole with a loop of electrical tape gave approximately 7 foot clearance with relatively little sag if the poles were positioned 50 feet apart. The insulation on the wire I used is tough, giving some protection from stretch and breakage. The antenna is about 850 feet long extending on the diagonal through my square. It is currently unterminated and I use a impedance transformer and about 50 feet of coax for a lead in from the northwest end. I also made 60 and 90 meter inverted V quarter wave dipoles and installed a MK Dymek DA100D active antenna for comparison purposes.

I don't mean to imply by what I have previously said that man-made electrical interference is totally absent from my location. I immediately discovered, upon powering up the single-wide, that a couple of electric-eye controlled exterior lights produced nasty hash. These were quickly eliminated. Neighborhood and power-line noise is detectable, especially when it is wet.

However, comparison of the Beverage with the dipoles and the active antenna indicated that the dipoles produced about 10 dB more

signal than the beverage, but with a concomitant increase in vertically polarized electrical noise. Likewise, the amplified active antenna produced an even greater signal boost, but also with increased electrical noise. The total man-made interference, even with the active antenna, did not prevent receiving DX signals at acceptable levels. It is just that the increase in signal level does not outweigh the increased noise level when compared to the Beverage. Therefore, in my opinion, if you can put up a Beverage anywhere, you will generally be rewarded by reduced man-made electrical noise levels compared to other antennas.

## The Nature of the Beast Revealed

As I am sure most of you are aware, the pattern of the relative strength of an RF electrical field of a specific frequency (say 5 MHz) being transmitted from (or being received by) a long wire antenna is asymmetrical. Generally speaking, up to 1/2 wave length, signal radiation or reception is enhanced in directions more or less perpendicular to the antenna as compared to directions more parallel to the antenna. Past a half wave length the signal strength lobes gradually reverse position with enhanced signal strength parallel to the antenna as compared to perpendicular directions. This condition becomes most evident in long wires between 2 and 4 wave lengths long for a specific frequency (for example: for a 60 meter band frequency, a wire between 120 meters and 240 meters (@400-800) feet long.). If such a long wire is installed in a straight line parallel to the ground and no more than 10 feet above the ground, you have installed a Beverage antenna. The major radiation-reception lobe around such an antenna (when unterminated) can be best visualized by sawing a cone in half the long way and placing both pieces over the wire with the big ends pointing towards their respective ends of the antenna. Looking at it from either end, the primary signal lobe is a semi-circle located 20 to 40 degrees from the wire. Such an antenna theoretically enhances reception of radio waves arriving parallel to the antenna and at relatively low angles to the receiving location (as opposed to signals arriving from directly overhead or at right angles to the antenna). Thus, the antenna may be direc-

tional if installed parallel to the great circle path from your location to the desired transmitting station.

In actual operation, additional reception/transmission lobes are introduced to the antenna as each half wave length point is passed and the antenna tends to become omni-directional while, at the same time, providing reduced electrical noise levels when compared to other antennas. For example, I receive AIR Chennai quite well on the single 315 degrees antenna when the station's great circle path is actually 10 degrees. Directionality can generally be observed only by switching between electrically isolated Beverages pointing in different directions. At one time, I had three beverages at 315, 270, and 10 degrees converging on the same support pole. There was no signal strength difference between them because the generated RF electrical fields (which can be considerable) overlapped.

Another example of the significant electrical fields generated at the ends of Beverage antennas: When Kevin Atkins, John Tow, and I were DXpeditioning at Kevin's Grandmother's farm along the western border of Alabama in the early '90s, we used unshielded lead-ins from the Beverage. This produced an RF field of notable magnitude at the listening post. I had an old shortwave portable radio whose reception a few tens of feet away from the antenna was relatively poor, but when brought to the listening station, but not connected to the antenna, received all the weak DX stations that the R-7 was receiving.

Next time, ground radials, resonant frequency, termination, and impedance matching.

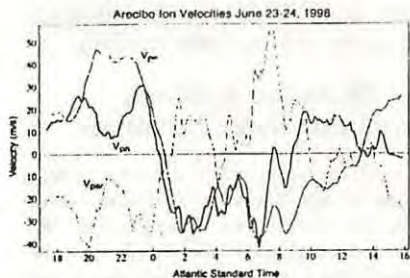
## The Beverage Antenna Handbook by Victor Misek

Victor A. Misek, WIWCR has issued a third edition of his **Beverage Antenna Handbook**. This revision was issued in late 1997 and is available from Universal Radio and other outlets. The revisions are substantial and those interested in Beverage antennas, or who have previous editions of this work, may want to pick up the updated Third Edition.

# The Arecibo Observatory

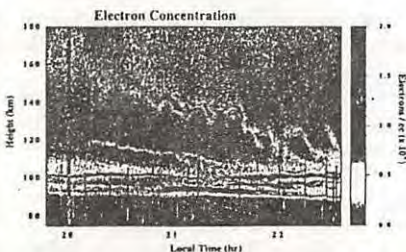
You all should remember seeing the National Astronomy and Ionospheric Center, Arecibo Observatory, in the recent sci-fi flick "Contact." Most of you probably know that this 305 meter diameter antenna array has been used for many years for radio astronomy observations and for SETI, the Search for Extraterrestrial Intelligence. You may also know that the array has been used as a radar antenna for observations of nearby planets. What may be less well known is the use of this same radar capacity for observations of the ionosphere, including such things as heating up the ionosphere over the site with high-power RF and then observing the results to gain better understanding of ionospheric physics.

A recent color pamphlet describing activities at Arecibo shows a vertical electron concentration profile taken with the vertical incidence radar system for a 2.5 hour period in the early evening. While this diagram is not explained in detail, darker layers show high electron concentrations (indicative of ionization) in the D and E layers between 90 and 100 km with rapidly changing concentrations and heights as is typical of the early evening. The lower part of the F region is also visible, showing the lowering of layers of electron concentrations (F1?). This diagram shows how easily a radio signal can be affected by variable concentrations of ionization at varying altitudes.



The caption from the brochure says this figure "...illustrates the rich variety of phenomena occurring in the nighttime ionosphere that can be observed with the Arecibo radar. The thin layers of ionization persist because of extraterrestrial metallic ions released from burning meteoroids. The up and down wave motions are caused by buoyancy waves, analogous to ocean waves, that travel all the way up from the lower atmosphere. Such waves are created by winds blowing across mountains and by thunderstorms, among other things. Look at the sky: you can see the same kind of wave manifested in the formation of rows of clouds with regular spacing."

Likewise a 24-hour ion velocity observation for June 23-24, 1998, was published in a recent newsletter. This diagram shows typical ion velocity changes from day to night. These observations assist ionospheric scientists in understanding the interaction of atmospheric ions and electrons with the magnetic field.



## The Ionospheric Heating Experiments

The High-Frequency Heating Facility at Arecibo has been operating for several years and has recently been upgraded. The transmitting antennas are located on a 22 acre tract separate from the 430 MHz radar facility that uses the 1000 foot diameter dish.

Four Navy Surplus transmitters, each capable of about 200 kW, are loaded into the array of log periodic antennas directed vertically. An equivalent isotropic power of 160 megawatts can be loaded into the ionosphere directly above the Arecibo dish. Frequencies used for heating are between 3 and 15 MHz. Basically, they zap the ionosphere with RF and watch what happens with the 430 MHz vertical incidence radar. Pulses of energy of various lengths can be used to produce different effects.

Generally speaking, the HF signal goes up vertically until the wave is reflected at the F layer. Standing waves are then set up and the charged plasma in the ionosphere interacts with the field generated by the HF transmitters. Instabilities of various kinds are measured and used to develop a better understanding of normal ionospheric interactions with the magnetic field and solar wind.

The Arecibo facility is also used to observe ionospheric phenomena resulting from meteor trails.

## KNLS

(via Bruce Barker)

World Christian Broadcasting operates station KNLS in Anchor Point, Alaska. They recently sent out a the following notice:

"Station KNLS recently moved to winter frequencies. You will find our new schedule provided below. We would appreciate getting a reception report from your part of the world. Let us hear from you soon!"

"September 27, 1998 to March 29, 1999

UTC	Band	Freq.	Lang.
0800	41m	7365	English
0900	41m	7365	Russian
1000	41m	7365	Mandarin
1100	49m	6150	Russian
1200	41m	7365	Mandarin
1300	41m	7365	English
1400	41m	7355	Mandarin
1500	41m	7355	Mandarin
1600	41m	7355	Mandarin
1700	41m	7355	Russian"

### How to QSL Station KNLS:

"Reception reports for station KNLS are much appreciated and will be QSL'd as quickly as possible. Your report may be

mailed, faxed, sent by audio recording or e-mail. All QSL's will be returned by surface mail."

"To qualify, a report must include:

- The date and time (UTC only) of the transmission,
- the approximate frequency,
- and as many program details as you can supply."

"KNLS will provide only ONE QSL for each report, regardless of the number of entries. We do NOT provide QSL's for other transmitter operators who may air World Christian Broadcasting programs, or for other programmers who may use the KNLS transmitter."

e-mail = KNLS@aol.com

Web page = www.knls.org

fax# = (615) 371-8791

surface = Station KNLS, Anchor Point, AK, 99556 USA

*Will someone please write something about sending reception reports via fax and e-mail for SWC? 73-JAL*



# Listener's Library

T. J. "Skip" Arey N2EI  
P. O. Box 236  
Beverly, NJ 08010  
Internet: tjarey@horrie.com

Greetings once again from Radio Library Central. This month we have a guest review from fellow NASWAite Peter Bowen from Toronto Canada. Without further grumblings on my part. Allow me to turn the job over to Peter for this month so I can begin to work on my holiday book picks for next month.

## *History of International Broadcasting* by James Wood

258 pages  
\$62.00

London: Peter Peregrinus, 1992  
ISBN 0-8634-28-5  
Review by Peter Bowen

There are not too many works in international broadcasting which I would describe as idiosyncratic, but this is definitely one of them.

James Wood is a consulting broadcast engineer, and formerly worked as a radio engineer at several BBC transmitter sites during the Second World War. It is from this background that he writes, and his technical proclivities are obvious in the book.

This work is divided into three parts. Part 1 gives a very brief overview of the development of radio in general, and then moves on to outline the history of some international broadcasting operations. Part 2 is a brief description of international radio use during the Second World War. And Part 3, which takes up almost one-half of the book, examines various radio stations, and technological developments, from the standpoint of their use as instruments of foreign policy.

Unfortunately, there are numerous factual errors in the book. For example, Marconi's early station at Glace Bay is described as being in the Canadian province of New-

foundland (p.18). Also, in several places, the FBIS is said to be the abbreviation for the Foreign Broadcasts Intelligence Service. And the Voice of Free China is described as a service established to relay programs of WYFR to the People's Republic of China (p.220).

Although Wood cites many facts and incidents, nowhere in the entire book does he use footnotes to establish the source of those items. It is thus impossible to check his more unusual assertions.

Mr. Wood is quite vague about what international broadcasting is all about. At the start of the book, he bluntly states that all international broadcasting is propaganda broadcasting, but he gives no definition of what he means by propaganda. Later on, however, embedded in the chapter on French international broadcasting, he elaborates on this by stating that "The purpose of propaganda can range from the export of culture, information and disinformation broadcasting, evangelism, advertising or politics." (P. 197). Given the broad sweep of his definition of propaganda, it is understandable that all international broadcasting can be so described, but it really doesn't help us to understand the functions of this medium.

What is very clear, however, is the fact that he does not approve of the history of British international broadcasting, especially the BBC. In fact, the latter comes in for more negative comments than any other station. Two examples should serve to illustrate this. On page 49 he writes "To many of those countries targeted by the BBC broadcasts in their own tongue, it was a first experience of being *tainted* by Western culture. . . an *invasion* that was to have some far-reaching effects". (Italics mine). And later on in the

book, on page 130, he strongly implies that the BBC broadcasts news critical of the British Government for the sole purpose of fooling its listeners into believing that it is independent of that government. These are obviously quite unconventional views.

Another example of an unconventional view is his assertion that Western broadcasters are just as responsible for the fact of jamming as are the jamming states themselves, as the former broadcast programs which could well have incited unrest. They also waste frequency space when they use barrage broadcasting.

Wood devotes much space (41 pages) to the role of international broadcasting during World War Two. In contrast, the long period of the Cold War only rates a chapter of 32 pages. This gross imbalance in coverage is hard to understand.

---

---

**There are not  
too many works  
in international  
broadcasting  
which I would  
describe as  
idiosyncratic,  
but this is  
definitely  
one of them.**

---

---

Although he is of course quite critical of BBC broadcasts during the War, he is surprisingly easy-going, and almost apologetic, when it comes to Nazi broadcasts. Similarly, there are also very few, if any, negative comments on U.S. broadcasts during the war, and very few on Japanese broadcasts during the


same time period. (Wood's chapter on Japanese broadcasting during the Second World War, by the way, is very interesting and informative. It is, in my opinion, one of the highlights of the book.)

Another interesting aspect of this book is the wealth of information that he provides on the development and modern use of HF technology, especially HF transmitters. There are several chapters on this topic, and similar information on it scattered throughout the book, all of which makes for very interesting and informative reading.

Yet, the biggest problem with this book as a history of international broadcasting is that it devotes almost no space to programming. In fact, there is no real outline of actual programming on international stations, past or present, as opposed to the author's opinions on that programming, anywhere in the entire book. This is, in my opinion, the major defect of the book.

In conclusion, then, *History of International Broadcasting* is frequently an interesting book to read. It has lots of good, informative material. The opinions of its author are unconventional at times, but are worthwhile and interesting to read nevertheless. But, the incredible lack of any extended treatment of programming, plus the unconventional and often idiosyncratic views of its author, mean that this is not to be considered as a standard work on the topic. In addition, the rather sloppy attention to detail and the numerous errors of fact greatly mar this work.

For those readers who want a good, solid introduction to the topic, Donald Browne's book *International Radio Broadcasting* would be much more suitable.

Well, thanks Peter. Now how about the rest of you folks? Peter found a good radio book and stepped up to the plate with his views on it. Why not join in the fun? Send your ruminations my way and I'll do my level best to squeeze them into this column. 

## The Sun And Short-Wave Reception (Part 6)

This month the glossary of terms associated with the sun and shortwave propagation continues.

**MAGFLARE** A flare which causes a geomagnetic storm.

**MAGNETOGRAM** Magnetograms are a graphic representation of solar magnetic field strength and polarity.

**MAGNETOPAUSE** The boundary layer between the solar wind and the magnetosphere.

**MAGNETOSPHERE** The magnetic cavity surrounding the earth, formed by the passing solar wind interacting with the geomagnetic field, which prevents, or at least impedes, the direct entry of the solar wind plasma into the cavity.

**MAJOR FLARE** This flare is the basis for the forecast of geomagstorm, cosmic storm and/or protons in the earth's vicinity.

**MAXIMUM USABLE FREQUENCY (MUF)** This is the highest frequency that can be used for reliable radio communications by the ionosphere between two locations on the earth. The median MUF is the highest frequency that will be usable at a particular hour for at least 50% of the days of the month. The MUF rises as the

**MEDIAN** A term in statistical mathematics. If all values in a population are arranged in order, the median value is the one in the middle.

**MEDIUM FREQUENCY (MF)** That portion of the radio frequency spectrum from 0.3 to 3 MHz.

**METEOR** A body that enters the earth's atmosphere and becomes incandescent by friction. A 'shooting star'. Meteor trails ionize particles which can reflect HF and VHF radio signals for a few seconds until the ionized charges become neutralized.

**MeV** Mega (million) electronvolt. A unit of energy used to describe the total energy carried by a particle or photon.

**MICROWAVE BURST** A radiowave signal associated with optical and/or X-ray flares.

**MID LATITUDE TROUGH** A band of lowered ionization around 60 degrees magnetic latitude occurring during night hours. The band appears to move toward or away from the geomagnetic equator as the auroral oval expands and contracts.

**MIDDLE LATITUDES** With specific reference to zones of geomagnetic activity, "middle latitudes" refers to 20 to 50 degrees geomagnetic.

**MOUNT WILSON MAGNETIC CLASSIFICATIONS**

**Alpha** Denotes a unipolar magnetic field sunspot group.

**Beta** A sunspot group having both positive and negative magnetic polarities, with a simple and distinct division between the polarities.

**Beta-Gamma A** sunspot group that is bipolar but in which no continuous line can be drawn separating spots of opposite polarities.

**Delta A** complex magnetic configuration of a solar sunspot group consisting of opposite polarity umbrae within the same penumbra.

**Gamma A** complex active region with irregularly distributed positive and negative polarities which prevents classification as a bipolar group.

**MIXED MODE** An ionospheric circuit which includes different numbers of hops via different paths simultaneously. This causes small time delays between the different arrival times at the receive antenna. These modes often cause what we know as multipath fading. Antenna patterns can be designed to minimize this source of distortion.

**MODE** The path followed by a radio wave between transmitter and receiver. The "first mode" is the mode with the least number of hops.

**MOLECULE** Smallest part of an element or compound that exhibits the properties of the specific element or compound.

**MUF** See Maximum usable frequency.

**MULTIPATH FADING** When multimode propagation occurs, signals arrive at the receiving antenna with small relative delays. These delays can cause the signals to arrive out of phase. Out of phase signals will cancel each other resulting in signal fades. As the ionospheric paths vary the signals will go from out of phase to in phase. Signals arriving in phase will add and produce stronger signals than available from a single path signal. Signals encountering multipath fading will alternately rise and fall.

**NEUTRAL LINE** The line that divides longitudinal magnetic fields of opposite polarity.

**OBLIQUITY FACTOR** The factor that relates the vertical critical frequency to the MUF for an HF circuit. As the ray makes a

smaller angle with the ionospheric layer (strikes it more obliquely), the layer is able to reflect higher frequencies for a given level of ionization

#### **OPTIMUM WORKING FREQUENCY**

The frequency which is usable for at least 90% of the days of the month.

**ORDINARY WAVE** The mode which follows the laws of refraction when propagating in a plasma containing a magnetic field. For the ordinary wave, the electric vector rotates in the opposite direction to that of an electron gyrating in the field when propagation is along the direction of the magnetic field. For propagation perpendicular to the magnetic field, the electric vector oscillates parallel to the magnetic field. This is a factor in the anomalous north/south vs. east/west propagation that occurs in a geomagnetic storm.

**OWF** See Optimum working frequency.

**PCA** See Polar cap absorption.

**PENUMBRA** The sunspot area that surrounds the darker umbra. It consists of linear bright and dark elements radiating from the sunspot umbra.

**PHOTOIONIZATION** The production of positive ions and free electrons by the action of solar radiation in the extreme ultraviolet and X-ray regions of the spectrum on atoms and molecules.

**PHOTON** There are two physical models for light. One model considers light to be a wave like a radio wave. Light which travels over two paths can be made to add or cancel just like radio waves. The other model considers light to be a particle with energy. A light particle is called a photon. Photomultiplier tubes extract the energy of the photon to detect weak astronomical sources for example.

**PHOTOSPHERE** The lowest layer of the solar atmosphere corresponding to the solar surface viewed in white light. Sunspots are observed in the photosphere. The photosphere lies beneath the corona and the chromosphere.



# Listener's Notebook

Al Quaglieri

P.O. Box 888

Albany, NY 12201-0888

FAX (518) 453-0884

Internet: alcuca@albany.net

**COPYRIGHT NOTICE** Items credited to BBCM are copyright by the BBC Monitoring Service and may not be reproduced without BBCM permission.

**AFGHANISTAN** Clearing up some apparent confusion from last month's LN is Dave Kenny of BBCM: Al, unfortunately the Afghan item below quite misleading, I don't know where the references to Pakistan and Kandahar originated—certainly not BBCM—but someone seems to have confused what is really a pretty straightforward setup in radio terms:

1) The station on 7084-v did not broadcast from Pakistan. It has always been based in Taloqan, capital of Takhar Province. It used the name "*Radio Afghanistan*" or "*Takhar Provincial Radio*" while it was controlled by Rabbani's forces. When Taleban took over the Taloqan area, the radio station was simply renamed "*Voice of Shariah of Takhar Province*," in line with all other Taleban-controlled provincial radio stations.

2) The station on 7200v is the main *Voice of Shariah* national station from Kabul—it has never operated from Kandahar.

3) Although all Afghan Radio stations usually now identify themselves as "*Voice of Shariah*" they also sometimes use other IDs. The Kabul station will sometimes ID as "Afghan Radio," or "Radio Afghanistan" and the Taloqan station will sometimes say "Takhar Radio."

4) None of these are clandestine stations in any sense—they are the main domestic services within Afghanistan, operated by the defacto government there. The only clandestine link is that the Takhar station, during the time it was run by Rabbani, in the past sometimes carried "*Voice of Free Tajikistan*" programming.

Hope this clarifies the situation. (Kenny-BBCM)

*Voice of Shariah*. I have been following the recent reports that Taleban has reactivated one of Afghanistan's old xmtr—4775 100kW. The channel is occupied by AIR Impal 50 kw. Absolutely no signs of *Vof Shariah*. (18-Oct/Weerakoon-SLK/UADX/WWDXC TopNews/Bueschel-GER)

4773 *Voice of Shariah* very weak at 0133 with Qur'an recital and religious talk, many ments of Kabul and Afghanistan; lost signal at 0157 (sign off?). //7197 poor, also vanished under strong VOA. (24-Oct/Vaghjee-MAU) 7198.9v *Voice of Shari'a*

(*Voice of Islamic Law*), 1645-1705. (18-Oct/Korinek/NU/DXW/WWDXC TopNews/Bueschel-GER)

On 17 October, anti-Taleban forces took over *Radio Takhar*. [On 18th Oct R. Takhar was heard at 1230 on 7085 kHz; the bc consisted entirely of songs about the motherland, sung in Dari and Pashto. Concluding the bc at 1315, a presenter announced that from 19th Oct, Radio Takhar would broadcast from 1130-1230.] (BBCM)

**ALBANIA** I heard *Radio Tirana* on Oct 19 at 0130 UT announce new times & freqs for their "second" transmission. To Europe: 2230-2300 7160, To North America: 0330-0400 6115, 7160. They stated that these times were UT. In the past, they have given their times in CET. Schedule for Radio Tirana "first" transmission as of Oct. 25, as heard Oct 21 at 0045. To Europe: 2015-2030 7180, 9650. To North America 0245-0300 6115 (19-Oct/Grishin-ONT/World of Radio/Hauser-OK)

6217.00 R. *Tirana*, 0100 throwing a loud, buzzy spur here with mandolin and reedy horn tune, and talk peppered with lots of "Shqiptar"s by M. // 6090.10. (19-Oct/Novello-NC)

## Trans World Radio, Cerrik:

0600-0615	Kurdish	11635C
0615-0630	Polish	7385S 9845C Th-Tu
0930-0945	Hungarian	7385S 9490C Mo-Fr
0945-1000	Czech	7385S 9490C Fr
0945-1000	Slovak	7385S 9490C Su/Mo/Tu/Th
1130-1200	Slovak	7385S 9490C Fr
1200-1245	Hungarian	7385S 9490C Sa
1440-1455	Russian	9705C 11635C Sa
1440-1540	Russian	9705C 11635C Fr
1440-1555	Russian	9705C 11635C Mo-Th
1455-1555	Russian	9705C 11635C Su
1544-1559	Kurdish	7365C
1600-1630	Polish	7385S 9705C
1602-1617	Armenian	7395C 9945C Fr/Sa
1602-1632	Armenian	7395C 9945C Su-Th
1700-1745	Farsi	9445C 12090C Su
1700-1800	Farsi	9445C 12090C Mo-Th
1900-1915	Russian	7330C Su
1900-1945	Russian	7330C Mo-Sa
1915-1945	Belorus	7330C Su

C=Cerrik S=Shikaj

(7-Oct/MIDXB/Brazhnikov-RUS)

**AUSTRIA Radio Austria International:**

0000-0030	German	7325 9495 9870	Th-Su
0005-0030	Esperanto	7325 9495 9870	Mo
0030-0100	Spanish	9495 9870	
0030-0100	English	7325	
0100-0130	German	7325 9495 9870	
0130-0200	English	7325 9495 9870	
0200-0300	German	7325 9495 9870	
0300-0330	German	9495 9870	
0330-0400	Spanish	9495 9870	
0400-0430	German	6155 13730	Mo-Sa
0405-0430	Esperanto	6155 13730	Su
0430-0500	German	6155 13730	
0500-0530	German	6155 13730 15410 17870	Mo-Sa
0500-0530	German	6015C	
0505-0530	Arabic	6155 13730 15410 17870	Su
0530-0600	English	6015C 6155 13730 15410 17870	
0600-0630	German	6015C 6155 13730 15410 17870	
0630-0700	English	6015C	
0630-0730	German	6155 13730 15410 17870	
0730-0800	French	6155 13730 15410 17870	
0800-0830	German	6155 13730 17615 21765	
0830-0900	English	6155 13730 17615 21765	
0900-0930	German	6155 13730 17615 21765	
0930-1000	English	17615 21765	
0930-1000	German	6155 13730	
1000-1100	German	6155 13730 17615 21765	
1100-1230	German	6155 13730	
1230-1300	French	6155 13730	
1300-1330	German	6155 13730	
1330-1400	English	6155 13730	
1400-1430	German	6155 13730	
1430-1500	Spanish	6155 13730	
1500-1530	German	6155 9655 13710 13730	Mo-Sa
1505-1530	Esperanto	6155 9655 13710 13730	Su
1530-1730	German	6155 9655 13710 13730	
1730-1800	English	6155 9655 13710 13730	
1800-1830	German	5945 6155	
1800-1830	German	9655 13730	Mo-Sa
1805-1830	Arabic	9655 13730	Su
1830-1900	French	5945 6155 9655 13730	
1900-2130	German	5945 6155 13730	
2130-2200	Spanish	5945 6155 13730	
2200-2230	German	5945 6155 13730	
2230-2300	English	5945 6155 13730	
2300-2330	German	6155 5945 9870	
2330-2400	Spanish	9870	
2330-2400	French	6155 5945	

C=via Radio Canada International (ORF/WWDXC TopNews/Bueschel-GER)

**AZERBAIJAN** 9164.97 *Voice of Azerbaijan*, \*0215 with carrier from at least 0205, IS thrice, ID mentioning Azerbaijan by M, choral anthem, and into vocal music. Distorted audio but strong signal. (19-Oct/Novello-NC) RealAudio Sample at <http://itre.ncsu.edu/radio/samples/azerbaijan.rm> I've

seen this one listed as *V. of Azerbaijan*, *R. Azerbaijan*, *R. Baku/Baki*, and *R. Dada Gorgud*—take your pick! (10-Oct/Hill-MA)

**BELGIUM Radio Vlaanderen Internationaal Brussels.** W98 schedule (25 Oct 1998—27 Mar 1999):

0430-0456	Dutch	11750B
0600-0656	Dutch	13745 15195
0700-0826	Dutch	5985 9925
0830-0856	English	9925 9940
0900-0926	German	5985 9925 Mo-Fr
0930-0956	French	15150 21510 Mo-Fr
1000-1026	Dutch	17690M
1030-1130	Dutch	17690 21510 Su
1130-1156	English	9925 13745
1200-1226	Dutch	6070B 15250B 9865P 17690T
1200-1256	Dutch	5985 13745
1300-1326	Dutch	17690
1400-1700	Sport	9925 13745 21510 Su
1700-1730	Dutch	5910 9925 12080J
1730-1756	English	5910 12080J 13650J
1800-1830	Dutch	13745 15370
1830-1856	English	13745
1900-1956	Dutch	5960J 9925 11805J 13745
1900-1956	Dutch	5960J 11805J Sa
1900-1956	Sport	5910 9925 13745 Sa
2000-2056	Dutch	5910 9925
2000-2100	Sport	5910 9925 11675 Sa
2100-2200	Dutch	5910 9925 11675 Sa
2130-2156	French	9925 Fr
2230-2256	English	13670B
2300-2326	Dutch	13670B

All via Wavre, Belgium, except: B=RNW Bonaire J=DTK Jülich M=RNW Antananarivo P=Petropavlovsk-Kamtchatka T=Tashkent (5-Oct/Brems-BEL/BC-DX/Bueschel-GER)

**BULGARIA Radio Bulgaria, Sofia thru 27 March:**

0000-0100	English	7375 9485
0000-0100	Spanish	5865 9415
0100-0200	Bulgarian	5865 7375 9415 9485
0200-0300	Spanish	5865 7500 9415
0200-0300	French	7375 9485
0300-0400	Russian	5890 7390
0300-0400	English	7375 9485
0400-0500	Bulgarian	5890 7390
0500-0530	Greek	5940 Mo-Fr
0500-0600	Greek	5940 Sa/Su
0515-0600	Turkish	5900 7390 Mo-Fr
0530-0600	Albanian	5940 Mo-Fr
0600-0700	Turkish	5900 7390 Sa/Su
0600-0700	Serbian	5940 Mo-Fr
0615-0700	German	7500 9500
0700-0800	Albanian	5940 Sa/Su
0700-0800	French	7500 9500
0800-0900	Serbian	5940 Sa/Su
1100-1200	German	15700 17500
1200-1300	English	15700 17500
1300-1600	Bulgarian	5865 12000
1500-1600	Russian	5935 7425 9385
1600-1645	Serbian	5865

1600-1700 Bulgarian 5935 7425 7500 17500  
 1645-1730 Albanian 5865  
 1700-1800 Spanish 11900 13800  
 1700-1900 Bulgarian 5935 7425  
 1715-1800 German 7535 7545  
 1730-1815 Greek 5865  
 1800-1900 French 7535 7545  
 1815-1900 Turkish 5865 7500  
 1900-2000 German 5850 7535  
 1900-2000 Russian 5935 7425  
 1900-2200 Bulgarian 5865 7500 7545  
 2000-2100 English 5850 7535  
 2100-2200 French 5850 7535  
 2200-2300 English 7535 7545  
 2215-2315 Spanish 5865 7500

(2-Oct/R. Bulgaria/BDXC Hotline/Nieuwenhuis-HOL)

Tentative from Feb 1, 1999 HS of Bulgarian National Radio "Horizont" back on SW via transmitters in Sofia to WeEu 0500-1900 on 9400, 9700, 11555. (20-Oct/PanView-BUL/BC-DX/Bueschel-GER)

**CAMBODIA** 9693 *Voice of Cambodia* (t); Phnom-Penh, 1045-1120, Vernacular M and W in discussion. Subject unknown, but Cambodia was mentioned. Some of the musical items used for bridging had French vocals. No identifiable ID heard. (21-Oct/Clem-tonson/DSWCI DX Window/Petersen-DEN)

**CANADA** *Radio Canada International* thru 27 March:

0000-0029 English 6040 9535 11855 Tu-Sa  
 0000-0059 English 5960 9755 Su/Mo  
 0000-0059 Spanish 6040 9535 11855 Su/Mo  
 0030-0059 Spanish 6040 9535 11865 Tu-Sa  
 0100-0130 French 9535 11865 9755 Tu-Sa  
 0100-0159 French 9535 11865 9755 Su/Mo  
 0130-0159 Spanish 9535 11865 Tu-Sa  
 0200-0259 English 6155 9535 9780 11865 9755  
 0300-0329 English 6155 9755 9780 Tu-Sa  
 0300-0329 French 6025U 9505V  
 0300-0359 English 6155 9755 9780 Su/Mo  
 0330-0359 Arabic 6025W 6150S 9505V 9615W  
 0330-0359 French 6155 9755 9780 Tu-Sa  
 0400-0429 English 6150S 9505V 9645U  
 0430-0459 Arabic 7200W 9505W 11715V  
 0600-0629 English 9740U 11905U 6150U 6090  
 9760 Mo-Fr  
 0630-0659 French 9740U 11905U 6150U 6090  
 9760 Mo-Fr  
 1200-1229 English 6150Y 11730Y  
 1230-1259 French 6150Y 11730Y  
 1300-1325 Chinese 6150Y 7260K 11955Y  
 1300-1359 French 11855 15425  
 1300-1359 English 9640 13650 17715  
 1330-1357 English 6150X 9535X  
 1400-1459 English 9640 13650 17715 Mo-Fr  
 1400-1659 French 17875 Su  
 1400-1659 English 9640 13650 17715 Su  
 1430-1455 Chinese 6030K 6150Y 7235Y  
 1430-1459 English 9555U 15325S 11915S  
 1500-1559 French 9555U 11915 11935 17820  
 1600-1659 Russian 6150K 6185Y 9555U 11935U  
 17820(Mo-Sa)

1630-1657 English 6140X 7150X  
 1700-1759 Ukrainian 9555U 11935U 15325 17820  
 1800-1859 Russian 7235U 11935U 11945 13650  
 15325 17820  
 1900-1959 Ukrainian 7235U 11935U 11945 13650  
 15325 17820  
 2000-2059 French 5995U 7235U 9805U 11945  
 13650 13690 15150 17820  
 2100-2159 English 5995U 7235U 9725 9805U  
 11945 13650 13690 15150  
 17820  
 2200-2229 English 7235U 9735U 9805 11945  
 13690 15150 11705Y  
 2229-2259 French 5995 7235U 9735U 11945  
 13690 11705Y 5960 9755  
 2300-2329 English 6040 9535 11865 5960 9755  
 2330-0059 English 5960 9755 Mo-Fr  
 2330-2359 Spanish 6040 9535 11865 Mo-Fr  
 2330-2359 English 6040 9535 11865 5960 9755  
 Sa/Su

K = Kimjæ Relay—Korea S = Sines Relay—Portugal U = Skelton Relay—England V = Vienna Relay—Austria W = Wertachtal Relay—Germany X = Xian Relay—China Y = Yamata Relay—Japan. (6-Oct/RCI/BDXC Hotline/Nieuwenhuis-HOL)

*Radio Asia Canada* has disappeared as its ties to the Tamil Tigers (LTTE) showed its head in their program. We were about to expose them to the German Govt. (G. Victor Goonetilleke-SLK 4S7VK, Oct 14) This should be satisfying to our reporter Ernie Behr, who first exposed their connections to the Liberation Tigers of Tamil Eelam, considered a terrorist organization in Sri Lanka. Harold Sellers, Toronto, hard-core-dx, also notes their "freqs empty, website not connecting, telephone number unanswered." Via hard-core-dx, Paul Ormandy, NZ, says RAC was last heard on 15245 around the end of Sep. (15-Oct/Hauser-World of Radio)

**CENTRAL AFRICAN REPUBLIC** 9900 *Radio Minurca*, Bangui is no longer planning to use 10400 kHz for a couple of days of testing. The antenna for the station has been fine-tuned for 9900 kHz. So when the station goes on the air it will be on 9900 kHz. (12-Oct/Nielsen/World of Radio/Hauser/DSWCI DX Window/Petersen-DEN)

**CHINA** *Heilongjiang People's Broadcasting Station*, Harbin:

0000-0600 Chinese 4840  
 0855-1500 Chinese 4840  
 2100-2400 Chinese 4840  
 (BBCM)

**CHINA—TAIWAN** *Radio Taipei International*, German sce, B98 schedule til Mar 27 1999: 0600-0700 9985[WYFR relay], 1800-1900 9955 direct, 2100-2200 15810, 9985 [WYFR relay]. (15-Oct/Klo-eter-TWN/Willschrey/BC-DX/Bueschel-GER)

3335 *CBS Taipei* 1509 local talk by W. (21-Oct/Calligaro-ITL)

**CLANDESTINE—MIDEAST** "Ida'at Kurdistan, Sawt-al Hizb al-Ishtiraki al Dimokrati al-Kurdistan" (or *Radio Kurdistan, Vo the Kurdish Socialist Democratic Party*, presumed) mainly in Ar, Kurdish: 1500-1730\*, \*0325-(presumed 0630\*). Noted on Oct 1 also 1900-1930. on Oct 3 1730-1830 & \*2035-2105\* all on 4120. (16-Oct/Pankov-BUL/BC-DX/Bueschel-GER)

"Seday-e Mojahed" (or "*VoMojahed*," Vo the Crusader) in Persian, \*1600-2100\* 6175. \*0200-0500\* and \*1500-1900\* on 4450 4650 4850(!) 5150 5350 5650 5750 6250. All freqs move each 2-3 minutes +/- 25 kHz, to avoid Iranian jammers. The QSL letter from VoM received here, the mailing address was given in Germany, but the envelope was stamped and came from Iraq. (16-Oct/Pankov-BUL/BC-DX/Bueschel-GER)

*Voice of Palestine, Voice of the Palestinian Islamic Revolution* (Arabic: sawt al-filistin, sawt al-thawrah al-islamiyah al-filistiniyah) operates from Iran. It was first heard in the mid-1980s.

0400-0500 Arabic 9670 6020  
1830-2030 Arabic 9695 7190 6145 6025

(BBCM)

"Seday-e Hezbe Communiste Irana" (*Voice of the Communist Party of Iran*) in Persian 1657-1757 & "Dendzi Shurashi Irana" (Vo Iranian Revol) in Kurdish 1500-1600, both on 3880 +/- 10 kHz, 4370 +/- 20 kHz. (16-Oct/Pankov-BUL/BC-DX/Bueschel-GER)

"Dendzi Kurdestana Irana" (or *Voice of the Iranian Kurdistan*) in Kurdish, \*0327-(presumed 0430)\*, \*1527-1657\* on 4150, irr. on 4010. (16-Oct/Pankov-BUL/BC-DX/Bueschel-GER)

"Dendzi Kurdestana Iraqa" in Kurdish, resp. "Sawt-o Kurdistan Iraq" in Arabic, or *Voice of the Iraqi Kurdistan*, the pro-Barzani radio: \*0345-(presumed 0630)\*; \*1645-1930\* (Thu, Sat \*1545-1700\*, \*1745-2100\*, Sun \*1445-1600\*, \*1745-2100\*) on 4085. (16-Oct/Pankov-BUL/BC-DX/Bueschel-GER)

*Voice of the Islamic Revolution* in Iraq (Arabic: sawt al-thawrah al-islamiyah fi al-iraq) has been observed intermittently since 1980 and broadcasts on frequencies which at other times carry Iranian radio's external service in Arabic.

0330-0530 Arabic/Kurdish 9610 7295 7115 6195  
(BBCM)

"Dendzi Gelli Kurdistana" in Kurdish, resp. "Sawt-o Shaab Kurdistan" in Ar, (or *Voice of the Kurdestanian People*), the pro-Talabani radio: \*1335-1730\* & non-daily \*2035-2150\*, also \*0335-(presumed 0630)\* on 6010 4060. 4060.1 V. of the People of Kurdistan 2136 Emphatic Kurdish talk by man and woman with many IDs of "Aira dengi gelli kurdistana." At s/off time, goes into a patriotic, in-your-face choral march/anthem (reminiscent of "Alexander Nevsky") that drags on for four full minutes till 2152\*-2155v\*. Quite solid signal with audio a

bit on the telephonic side. Seems late in the day for this one to be still running. (11-Oct+/Hill-MA)

"Seday-e Khargar" (*Voice of the Worker*) in Persian 1727-1813, repeated on the following day at 1527-1613, on 4190 +/- 10 kHz to avoid the Iranian jammer. (16-Oct/Pankov-BUL/BC-DX/Bueschel-GER)

**CONGO 5985 Radio Congo** 1800-1927 very good with debate with journalists on the last Civil War in Congo. 1927 ID Radio Congo—Radio Nationale, into vernacular; 2045 FF ID as "Radio Liberte," nx in FF, s/off anmts 2058, off 2100\*. (16-Oct/Vaghjee-MAU) 9610 R.Congo, Brazzaville, 1635-1657\*, French and Vernacular talk with frequent mentions of "Congo" and "Brazzaville," ID at 1655 as "Radio Congo;" fair to good (13-Oct/Timofeyev/DSWCI DX Window)

**COSTA RICA Radio For Peace International** sked:

0000-0300 6975 15050 21460U  
0300-0800 6975 15050  
0800-1200 15050  
1700-1800 15050  
1800-2400 15050 21460U

(Review of International Broadcasting/Hauser-OK)

2840H (2x1420), *TIRP Radio Pampa*, Nicoya, 0000-0031 UTC Prayers to Virgin Mother of God, and ID as "Mantenga la sintonia de 1420 kHz, Radio Pampa, Primer lugar." Then into program "Escuela Para Todos." (10-Oct/Escoto-HON/The Four Winds/Serra-ITL/Rev. of International Broadcasting/Hauser-OK)

Within the next few months, exact date not set, *AWR* will discontinue SW from Cahuita, and move all SWBC to the Dominican Republic. Will continue producing programs at Alajuela for their satellite network (11-Oct/Graham/HCBJ DX Partyline/Rev. of International Broadcasting/Hauser-OK)

**CROATIA Hrvatska Radio** noted at 1410 on three frequencies in //: 6165 somewhat weak with another station underneath (certainly not Lenk, harhar), causing a het of some 10 Hz; 7185 stronger; 9830 strongest. (Ludwig-GER)

**CZECH REPUBLIC Radio Prague** schedule:

0000-0030	English	7345 9465
0030-0100	Spanish	7345 9465
0100-0130	English	6200 7345
0130-0200	Czech	6200 7345
0200-0230	Spanish	6200 7345
0230-0300	Czech	7345 9435
0300-0330	English	7345 9435
0330-0400	English	9585 11600
0400-0430	English	9955-via WRMI
0700-0730	French	5930 7345
0730-0800	German	5930 7345
0800-0830	English	11640 15260
0830-0900	Spanish	11600 15260
0900-0930	French	11600 15260
0930-1000	Czech	15260 21745
1000-1030	English	17485 21745

1030-1100	Czech	17485 21745
1100-1130	German	7345 11640
1130-1200	English	11640 21745
1200-1230	Czech	11640 21745
1230-1300	English	6055 21745
1300-1330	German	6055 7345
1330-1400	Czech	6055 7345
1400-1430	English	21745
1430-1500	Czech	21745
1500-1530	Spanish	11600 13580
1530-1600	French	11600 13580
1600-1630	German	5930
1630-1700	Czech	5930 17485
1700-1730	English	5930 17485
1700-1830	English	5930 7315
1730-1800	French	5930 17485
1830-1900	Czech	5930 7315
1900-1930	Spanish	5930 9430
1930-2000	French	5930 9430
2000-2030	Spanish	5930 9430
2030-2100	Czech	5930 9430
2100-2130	English	5930 7345
2130-2200	Spanish	7345 9435
2200-2230	French	7345 9435
2230-2300	English	7345 9435
2300-2330	Spanish	9435 11600
2330-2400	Czech	9345 11600

(R. Prague website)

Sorry, everyone, but the new *WRMI* relay is a farce, as expected. UT Mon Oct 26 at 0401, *WRMI* 9955 had fair strength, but the Cuban jammers were at least equal, often overpowering. One might understand 67% of R. Prague if one wanted to put up with the noise, but why should we? Free advice for *WRMI* and R. Prague: it's time to try a new frequency, and see if the Cubans ruin it too. The new frequency, however inconvenient it may be for *WRMI*, should not have been used before, and should never carry any Cuban exile programming, or to be safe, not anything in Spanish at all (Hauser-OK/Rev. of International Broadcasting)

**DENMARK** *Radio Denmark*, all programs in Danish:

0030-0055	9935 9945
0130-0155	7465 7545 9945
0230-0255	7465 7545 9945
0330-0355	7545 7565 9945
0430-0455	7545 7560 9940
0530-0555	7440 7480
0630-0655	5965 7180 9590 13800
0730-0755	7180 9590 18950
0830-0855	13800 15175
0930-0955	13800 15175
1030-1055	13800 18950
1130-1155	13800 18950
1230-1255	9910 18950 21725
1330-1355	9590 9910 18950 21725
1430-1455	15705 18950
1530-1555	13790 13800 15705
1630-1655	9590 13800 15705

1730-1755	7485 11895 15705 18950
1830-1855	5960 7485 15705 18950
1930-1955	7485 9935 13800 15705
2030-2055	7580 15705 7560
2130-2155	7580 9945
2230-2255	9415 9925
2330-2355	9415 9935 9945

(7-Oct/R. Denmark/BDXC Hotline/Nieuwenhuis-HOL)

**DOMINICAN REPUBLIC** 4960.12 R. *Cima*, Santo Domingo, 0220 noted back on the air with guitar/vocal mx, ID "Con Cima," and nice signal. (18-Oct/Novello-NC)

**ECUADOR** *HCJB* sked:

0000-0100	Spanish	6050 15140
0000-0300	Quichua	3220 6080
0000-0700	English	9745 12015 21455
0030-0100	French	9660
0100-0230	Portuguese	11920
0100-0500	Spanish	6050 15140
0200-0430	Russian	5970
0430-0500	Japanese	9765
0430-0500	German	5970 9685
0500-0515	Ukrainian	5970 9685
0500-0515	Kikongo	9765 Mo-Fr
0515-0700	Russian	5970 9685
0530-0600	Czech	9765 Su/Tu/We/Th/Sa
0530-0600	Slovak	9765 Mo/Fr
0600-0630	German	9765
0630-0700	French	9765
0700-0730	Spanish	9765
0700-0900	English	9640 9775 21455
0800-0930	Portuguese	9745
0830-1000	Quichua	3220 6080 6110
0900-1030	Spanish	9765
0900-1100	English	9640 21455
0930-1000	German	6125
1000-1400	Quichua	3220 6080
1030-1100	Spanish	6050 9765
1100-1300	Spanish	6050 11960 15140
1100-1600	English	12005 15115 21455
1130-1200	Japanese	9660
1300-1500	Spanish	6050 15140 15295
1500-1600	Spanish	6050 15140
1530-1800	Portuguese	15295
1600-1700	Spanish	6050 15140 21455
1700-1800	Russian/+	9870*
1700-1900	Spanish	6050 15140 21455
1800-1900	RR/Uk/Ge/Ta	6085*
1830-1900	Czech	17795 21470 Su/Tu/We/Th/Sa
1830-1900	Slovak	17795 21470 Mo/Fr
1900-1930	French	15550 17795
1900-2100	Spanish	6050 15140
1900-2200	English	15115 21455
1930-2000	German	15550 17795
2000-2030	French	15550 17795
2030-2100	Japanese	15550 17795
2100-2130	German	15550 17795
2100-2130	Quichua	3220 6080

2100-2130 Spanish 6050 15140  
 2100-2200 Arabic 6085\*  
 2130-2230 Spanish 6050 12025 15140  
 15550  
 2130-2400 Quichua 3220 6080 9745  
 2200-2300 Japanese 11920 21455  
 2230-2300 Spanish 6050 15140  
 2230-2300 Russian 15295  
 2300-0100 Portuguese 11920  
 2300-2400 Spanish 6050 15140 21455  
 2300-2400 German 11955

\*-via UK (HCJB website)

**EGYPT** 4900 R. *Cairo* Gen Prog #1 with news (Kurdistan) and Arab songs on 1915. (19-Oct/Liangas-GRC)

**EQUATORIAL GUINEA** 5003.4 R. *Nacional de Guinea Ecuatorial*, Bata 2203 Political speech in Spanish // 6250.3 (Malabo); both fair/good. Unusual to hear these in parallel; 5003.4 seems to be used only for special occasions nowadays. (11-Oct/Hill-MA)

**ERITREA** 3999.5 *Voice of Broad Masses*, Asmara (t), 1610, agitated talk in UNID lang., western music. Not an RRI station as no SCI at 1600. Could not find // freqs. (6-Oct/Rouw/DSWCI/DX-Window/Pedersen-DEN)

5000 *Voice of Broad Masses of Eritrea*, sent full QSL card in 105 days after 2 follow up and USD1, v/s Mehreteab Tesfagiorgis, P.O.Box 243 Asmara, Eritrea. New frequency on the QSL: 6190 & 7175 kHz, time 0330-0600 and 1400-1830 (Oct/Canonica/DSWCI DX-Window/Pedersen-DEN)

7175 V. of the *Broad Masses of Eritrea* \*0325 Lively guitar melody interspersed with short, muffled echo announcements, man and woman alternating. Finally, at 0329, clear Arabic ID of "Huna asmara, idha'at saut al-jamahir al-iririyya" and continued with talk in Arabic. Very strong; no doubt running full listed 100 kw. Nothing audible on any other known VOBME freqs, though. (16-Oct/Hill-MA)

**GEORGIA** 5040 R. *Georgia*, Tbilisi, \*0200, big buzzy carrier, IS from 0158, 6 bongos, choral anthem, piano theme, program intro by W, but no explicit ID discernable, in presumed Georgian language. (20-Oct/Novello-NC)

**GERMANY** *Deutsche Welle* English programs, B98:

0100-0150 5960S 6040J 6145W 9640E 9700S  
 0200-0250 6035W 7225T 7285W 9615T 9765W  
 9815M  
 0300-0350 6045W 9535S 9640E 9700J  
 0400-0450 6015K 6065W 7225W 7280K 9565K  
 0500-0550 6100W 6120E 6185J 11795B  
 0600-0650 6045E 7225W 9565W 11785W 17820T  
 21695T  
 0900-0950 6160J 11775T 12055I 15470I 17820T  
 0900-0950 9565K 15145T 15410K 17800K  
 21600W

1100-1150 15370K 15410K 17780W 17800K  
 1600-1650 7120K 9735K 11810K 15145W 17800W  
 1600-1645 6170T 7120K\* 7225T 7305N 9585W  
 9735K\* 11810K\* 13790W 15145W\*  
 17800W\*  
 1900-1950 9640E 9765A 11785W 11810K 13690T  
 15135K 15275T  
 2000-2050 9725E  
 2100-2150 9615K 9670T 9690W 9765W 11785T  
 11865A 15275K  
 2300-2350 5990R 6010T 6045W 7235T

\*-to 1650 A=Nauen B=Bonaire E=Sines I=Irkutsk J=St. John's K=Kigali M=Samara N=Novosibirsk R=Kranji S=Sackville T=Trincomalee V=Valata Vol. W=Wertachtal (DW/Tilbury-AK)

It appears, that some Wertachtal transmitters are now getting their new modulators: I found 3995 last night somewhat splattering, as it wasn't the case until now. (25-Oct/Ludwig-GER/Rev. of International Broadcasting/Hauser-OK)

*Deutsche Telekom*, Jülich, Operational Schedule

B98 (Nov 98—Mar 99)

0000-0059	9490	WRN
0000-0100	6120	LRT
0000-0100	9835	LRT**
0000-0159	9925	HIC
0000-0159	11680	HIC**
0000-0359	11660	TOM
0100-0130	6155 Tu	VOD
0100-0159	6155 Su	GNW
0100-0259	9585	RAC
0200-0359	9925	HIC
0200-0359	7290	HIC**
0300-0459	6125	RAC
0400-0430	11795 Mo-Fr	UNR
0400-0459	5840	AWR
0400-0459	9605	TOM
0400-0559	7340 9780	HIC**
0400-0559	9925	HIC
0455-0730	6165	SRI
0500-0530	11795 Mo-Fr	UNR
0500-0559	6175 Sa/Su	RAC
0500-0859	13810	TOM
0500-1700	5840	**
0555-0815	9885 11860	SRI
0600-0630	5990 11675 M-F	UNR
0600-0650	13690	DWL
0600-0759	13820	HIC
0700-0759	13740 Su	GNW
0700-0930	12080	AWR
0700-1859	6110	SUN
0800-0900	7230 Sa/Su	AWR
0800-0959	13820	HIC
0800-0959	13830	HIC**
0900-1459	5965	TOM
0950-1900	6140	DWL
1000-1059	5910 Sa	GNW
1000-1630	5900	Digital Test
1030-1100	9690	DWL
1055-1330	9535	SRI
1125-1325	6045	DWL(RNW)

1245-1345	15330	DVB
1300-1329	15190 Su	UNL
1300-1330	6015	DWL
1300-1359	15190 Sa	GNW
1325-1529	15715	HAM
1400-1600	15470	RAC
1400-1759	13810	TOM
1430-1455	15635	DVB
1500-1659	6015	TOM
1600-1629	11840 Su	UNL
1600-1630	11910	RAC
1600-1659	11900 We	VOO
1600-1659	11840 Sa	GNW
1625-1815	6165 9620	SRI
1630-1700	9475	AWR
1700-1729	11745 Sa	UNL
1700-1730	13800 Mo-Fr	UNR
1700-1745	5840	TWR
1700-1759	11725 Sa	GNW
1700-1800	5890	AWR
1700-1800	12080	DWL(RVI)
1730-1800	13650	RVI
1730-1800	3995	DWL
1800-1829	11840 Su	UNL
1800-1830	11840 Mo-Fr	UNR
1800-1900	5840	AWR
1800-1900	9475 Su/We/Fr	AWR
1800-2059	11925	TOM
1825-2030	6165	SRI
1825-2130	9885 11910	SRI
1830-1859	6010 Tu-Th	UNL
1830-1859	11735 Su	UNL
1830-1859	6010 Sa	UNL
1900-1930	5970 6025	UNR
	11735 Mo-Fr	
1900-2000	6035	CHW odd week only
1900-2000	5960	RVI
1900-2000	11805	DWL(RVI)
1900-2059	11835 13855	RAC
	Sa/Su	
1900-2059	5840	HAM
2000-2059	9500 Su	LHL
2000-2100	9640	AWR
2000-2159	11645	HIC**
2000-2159	13830	HIC
2100-2130	9800	RAC
2100-2259	9510	RAC
2100-2259	6000	HAM
2100-2300	5840	**
2100-2330	5890	AWR
2100-2359	11840	TOM
2130-2200	9640	AWR
2300-0059	5905	RAC
2300-2359	9405Su	GNW

\*\* =not yet active

AWR Adventist World Radio  
 CHW Christliche Wissenschaft (Christian Science)  
 DVB Democratic Voice of Burma  
 GNW Good News World Radio  
 HAM High Adventure Ministry  
 HIC ??new name for??:

HRT Hrvatska Radiotelevizija Croatia  
 LHL L'Heure Luthérienne  
 LRT Radio Vilnius (Lithuania)  
 RAC Radio Asia Canada  
 RNW Radio Nederland Wereldomroep  
 RTE Radio Telefís Éireann  
 RVI Radio Vlaanderen International  
 SRI Swiss Radio International  
 SUN Sunrise Radio (England)  
 TOM The Overcomer Ministry (Brother Stair)  
 TWR Trans World Radio  
 UNL Universelles Leben (Universal Life)  
 UNR UN-Radio  
 VOD Voice of Deleverance  
 VOO Voix de l'Orthodoxie  
 WRN World Radio Network  
 (12-Oct/Volk-GER/ADDX/MIDX/Brazhnikov-RUS)

**GREECE** 6225.1 *ERA5* 0620 relaying church program //9425 NF?? (18-Oct/Liangas-GRC)

**GUINEA** 7125 *R. Guinee*, Conakry, 0708-0801. W announcer in French, with an Arabic speaking co-channel. Talks apparently about new government structure; announcer closing the transmission with "Radiodiffusion nationale de Conakry, nos émissions; merci de votre attention" and s/off at 0801. (Escoto/Rev. of International Broadcasting/Hauser-OK)

**GUYANA** 3289.82 *GBC*, Georgetown, 2245 presumed the one with W vocal Indian film mx cutting through the mush. Few words by deep-voiced man at 2300, then back to the soundtracks. (18-Oct/Novello-NC)

**HUNGARY** *Radio Budapest* sked:

0000-0100	Hungarian	11985 13685 Mo
0100-0200	Hungarian	6120 9835
0200-0230	English	6135 9835
0230-0330	Hungarian	9835 11900
0330-0400	English	9835 11980
0400-0430	Russian	3975 6005
0430-0500	Ukrainian	3975 6005
0500-0530	Romanian	3975 7260
0530-0600	Croatian	3975 5965
0600-0630	Slovak	3975 5915
0630-0700	Serbian	5915 9870
1100-1200	Hungarian	17670 21560 25700 Mo-Su [sic]
1200-1300	Hungarian	17670 21560 25700 Su
1200-1300	Hungarian	7135 9655
1300-1400	German	7135 9660 Su
1400-1500	Hungarian	7135 9840 Su
1530-1600	Russian	9660 11875
1600-1630	Croatian	3975 5965
1630-1700	Romanian	3975 5965
1700-1730	Ukrainian	3975 9680
1730-1800	Slovak	3975 6010
1800-1830	Serbian	6175 3975 Mo-Sa
1830-1900	German	3975 6175
1900-2000	Hungarian	3975 7185

2000-2030	English	3975 6025
2030-2100	Serbian	3975 7165 Su
2030-2100	German	3975 7165 Mo-Sa
2100-2200	Hungarian	3975 7230 11895
2200-2230	English	3975 7250
2300-2400	Hungarian	11985 13685 Mo-Su [sic]

(R. Budapest website)

**ICELAND** *Ríkisutvarpid* at 1230 on 13865.04 and 15775.04 (due to AIR 15770), 1215-1300. Program from 1410 lasted till sign-off at 1453[!] UTC on 11402.00 and 13860.04., 1410-1453. (25-Oct/Bueschel-GER/Rev. of International Broadcasting/Haus-er-OK)

**INDIA** 3315 *AIR Bhopal*, \*0025, IS, "Vande Mataram," etc; pretty weak, and not // Thiruvananthapuram-5010 at 0035 check. (21-Oct/Novello-NC)

3345 *AIR Jaipur*, \*0025 with IS, few words by M, and "Vande Mataram" song by accapella m/f chorus. Fair behind intermittent ute QRM. (22-Oct/Novello-NC)

4760 *AIR Port Blair*, 1130 with "Akashvani," a few minutes of presumed nx by W, and then film mx. Atop higher than usual noise level. (25-Oct/Novello-NC)

4800 *AIR Hyderabad*, 0045 with acoustic W vocal and chorus folk mx, good signal on a good Indian night. (21-Oct/Novello-NC)

4840 *AIR Mumbai* 0040, solo W vocal with slow sitar accompaniment, into film song with instrumentation like a Strauss waltz. Noted still on 0123 with ad-like string. Delhi-4860 also good at 0131 with presumed news, and Thiru-5010 at 0135 with talk. (20-Oct/Novello-NC)

4920 *AIR Chennai*, \*0015, IS, then W saying "Vande Mataram" and acapella group vocal; a few more words, then instrumental mx led off by a crazy percussion solo. Mumbai-4840 in but not quite as good at same time. (21-Oct/Novello-NC)

4940 *AIR Guwahati* 0010 Test tone till 0013, when bits and pieces of "Song of India" IS audible; hopeless from then on. Puny signal in barrage of QRN. (5-Oct/Hill-MA)

5010 *AIR Thiruvananthapuram*, \*0020, IS, "Vande Mataram" group accapella vocal; English nx by W 0035. Signal approaching local-like. (21-Oct/Novello-NC)

5040 *AIR Jeypore*, \*0025 with IS and "Vande Mataram" song peaking above noise level. (25-Oct/Novello-NC) \*0023 Ending test tone and into AIR IS; very brief announcement and choral singing (undoubtedly "Vande Mataram") at 0025. Nothing more readable after that. Very poor; usually doesn't make it at all, but conditions today were significantly better than normal. (8-Oct/Hill-MA)

**INDONESIA** 2694a *RDPT2 Ende*, 1210-1220, Indonesian, Jakarta news. NA. 1220 One man proclaiming we just heard the Jakarta news, then other man with "selamat malam" and ID of which I could only decipher. . programa Radio...Tingkat Dua Ende" also mentioning frequencies ("...MHz"). Faded away quickly. (8-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN)

3204.2a *RRI Bandung*, 1322-1401, Indonesian, Man and woman talking. //540 kHz but both channels very weak. Has some Indonesian country music at 1355, man announcing regional news at 1358 then own IS. Pips at 1400 then "Radio Republik Indonesia Bandung...warta berita." (7-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN)

3224.8 *RRI Tanjung Pinang*, Local pops by W vocals at 1120. At 1130 time pips, ID by M as "Radio Republik Indonesia Tanjung Pinang dengan Warta Berita Daerah" then local news. ending music of local news "Garuda Pancasila" was heard at 1138 then followed to dangdut music program. Fair to poor. (3-Oct/Yamada-JPN/Jembatan DX)

3231.8 *RRI Bukittinggi*, 1639-1659\*, Non-stop Indonesian soft-pop, at 1656 short ann by M speaker in Ins, piece of instrumental mx, M again and off. No ID heard. (5-Oct/Veldhuis-HOL)

3264.7 *RRI Gorontalo*, Signed on at 2053. IS until 2056, opening music and opening announcement including ID by M. SCI at 2058. Jakarta news relay heard at 2100. Poor. (16-Oct/Yamada-JPN/Jembatan DX)

3325 *RRI Palangkaraya*, 1557. Love Ambon guitar music at s/off. (5-Oct/Rouw/DSWCI DX-Window/Pedersen-DEN)

3395.1 *RRI Bandar Lampung*, Dangdut music at 1324. ID at 1347 as "Programa Satu, Radio Republik Indonesia Bandar Lampung" and canned RRI ID was heard at 1358. Telephone conversations at 1359. Fair. (12-Oct/Yamada-JPN/Jembatan DX)

3960.3 *RRI Palu*, 1554 BI talk, Love Ambon guitar mx, singed off. On other days also weak carrier (no audio) noted on 3959.5kHz (RRI Padang?). However, I am not sure which is which here. Can someone update us? (6-Oct/Rouw/DX Window)

3985.7 *RRI Surabaya*, 1045-1103, Indonesian, Announcement for some KTV thing on RRI Surabaya. Other announcement mentioning "Programa Satu." 1056 march music over which ID. 1057 music on a tingklik which sounds like a marimba and also singing later on. (6-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN)

4000.1 *RRI Kendari* (p). Dangdut music at 2036. Islamic religious talk at 2044. At 2058 talk by W and not relayed Jakarta news at 2100. Padang starts around 2200, so I presumed this as Kendari. Fair to poor. (10-Oct/Yamada-JPN/Jembatan DX)

4606.4 **RRI Serui**, Relayed from RRI Jakarta program until 0844, then changed to local program of reading Holy Koran. At 0900 English pops was heard. Usually the station uses on 7173.2kHz at this time. Fair to poor. (25-Oct/Yamada-JPN/Jembatan DX)

4753.3 **RRI Ujung Pandang** 1457 local music. (21-Oct/Calligaro-ITL) 4773.5 RRI Jakarta (t) // 4753.3 1503 local talk. (21-Oct/Calligaro-ITL)

4774.85 **RRI Jakarta** (t) 1706 local talk. (21-Oct/Calligaro-ITL)

4874.4 **RRI Sorong**, Western pops at 0925. ID at 0930 as "Radio Republik Indonesia Sorong, Program Satu" then W talk. The station signed off at 1210. Reactivated. (18-Oct/Yamada-JPN/Jembatan DX)

4927 **RRI Jambi**, Talk and dangdut music at 1418. ID by M at 1428 as "Inilah Radio Republik Indonesia Jambi" then dangdut music. //3355.3kHz which signs on around 1250. Fair. (11-Oct/Yamada-JPN/Jembatan DX)

6030a **RRI Banjarmasin**, 0748-0822, Indonesian, moderately strong signal, but a low heterodyne which was impossible to filter out. Played mostly Indonesian MOR. Has some announcements which sounded like ads. No news at 0800. Lady mentioned station name at 0808, but better announcement at 0822 mentioning "RRI...Banjarmasin." fair (8-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN)

6069.8 **RRI Jayapura**, Popular music including pop daerah, pop Indonesia, and western pops at 2007. ID by M at 2025 then talk program. Good signal but became weak little by little with local sunrise. (10-Oct/Yamada-JPN/Jembatan DX)

7098.0 **RRI Yogyakarta**, 0033-0039, Indonesian, Very distorted audio probably at the transmitter as there was no interference from other stations. Lady reading the news mentioning Yogyakarta once. End of news ID sounded like "RRI Yogyakarta" then some Gamelan music to round it off. Other lady announcer to introduce "lagu." (10-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN)

7173.2 **RRI Serui**, Local pops at 1156. SCI at 1159 then Jakarta news relay. ID at 1211 as "Radio Republik Indonesia Stasiun Serui" then switched to 4606.4kHz. Usually 4606.4kHz is heard at this time. Poor. (17-Oct/Yamada-JPN/Jembatan DX)

9525.0 **V.O.Indonesia**, Cimanggis. Usually Japanese program starts from 1130, but today did not. Thai program ended at 1130 then short local pops was heard for 2 minutes, and became silent. At 1134, Thai program started again instead of Japanese program. Apparently operation missing. (24-Oct/Yamada-JPN/Jembatan DX)

9614.3 **RRI Samarinda**, 0529-0546, Indonesian, Had own IS, pips then news opening with "Radio

Republik Indonesia stasiun Samadinda dengan warta berita." (RRI Samarinda with the news.) 0546 end of news with NA. Not heard at recheck 0730. (8-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN)

9704.9 **RRI Pontianak**, 0553-0618, Indonesian, Nice local pop music. Lady DJ telling something funny as she was laughing by herself. 0558 Man with ID "Stasiun RRI regional satu Pontianak..." then in the middle of the SCI transmitter failure. Came back after a minute in the middle of the Jakarta news. 0617 NA, local ID and frequencies then more music. Not heard after 0700. (8-Oct/van den Boogert-INS/DXW/Jembatan DX/Yamada-JPN) 9705.0 **RRI Pontianak** (p). Very weak and heavy interference. At 0700 Jakarta news relay and like information at 0710, but missed the existence due to poor condition. (25-Oct/Yamada-JPN/Jembatan DX)

15150.5 **RRI Jakarta**, Cimanggis, "Warta Berita" including "Forum Negara Pancasila" at 2316. Heavy jamming on 15150kHz started at 2338 and gave up listening. Good. (10-Oct/Yamada-JPN/Jembatan DX)

**RRI Bukittinggi** on 3231.8kHz is not heard recently. (Yamada-JPN/Jembatan DX)

**RRI Ambon** on 4845.1kHz is not heard in October. (Yamada-JPN/Jembatan DX)

**RRI Jambi** on 3355.3kHz can not be heard. First noted on Oct 24. (Yamada-JPN/Jembatan DX)

The list of inactive stations or stations not heard in Japan due to heavy QRM:

- 3223 **RRI Mataram**: Apparently inactive.
- 3241 **RRI Ambon**: Apparently inactive.
- 3250 **RRI Banjarmasin**: apparently inactive.
- 3295 **RRI Samarinda**: Apparently inactive.
- 3305 **RRI Dili**: long absent.
- 3355.3 **RRI Sumenep**: Don't confuse with **RRI Jambi** on same frequency
- 3375v **RRI Medan**: apparently inactive
- 3934 **RRI Semarang**: Often heard outside Japan, but not picked up here due to heavy QRM.
- 3960 **RRI Palu**: Often heard outside Japan, but not picked up here due to heavy QRM.
- 3985.7 **RRI Surabaya**: Often heard outside Japan, but not picked up here due to heavy QRM.
- 3987 **RRI Manokwari**: Often heard outside Japan, but not picked up here due to heavy QRM.
- 4766 **RRI Medan**: Inactive mid-September.
- 4855 **RRI Palembang**: long absent.
- 4866 **RRI Wamena**: long absent.
- 4871 **RRI Wamena**: long absent.
- 4881.2 **R. Suara Kasih Agung**: Already moved to MW frequency.
- 4874.6 **RRI Sorong**: Inactive mid-September.
- 4910.5 **RRI Bukittinggi**: apparently inactive.
- 4932 **RRI Surakarta**: possibly inactive.
- 4990v **RRI Gorontalo**: long absent.
- 5030 **RRI Sibolga**: last hrd in May by David Foster
- 5046 **RRI Yogyakarta**: apparently inactive.
- 5055 **RRI Nabire**: apparently inactive.

5059	<b>RRI Yogyakarta:</b> apparently inactive.	0630-0730	French	15325 15260 11790
5256	<b>RRI Sibolga:</b> long absent.	0630-0730	Italian	15230 15084 13615-v
5984	<b>RRI Tual:</b> No plans to return to shortwave.	0930-1000	Armenian	11705 9615
6025	<b>RRI Banjarmasin:</b> Maybe inactive.	0930-1130	Arabic	17540 15585 15350 15125 13605
6127.5	<b>RRI Nabire:</b> long absent.	1100-1230	English	15260-v 13605 11875-v 11830 9585
6153.6	<b>RRI Biak:</b> Inactive in the middle of September.	1130-1230	Arabic	17540 15585 15350 15125 11745
6189	<b>RRI Manokwari:</b> Not heard here. Inactive?	1200-1300	Italian	15115 15084 13600
9545	<b>RRI Palangkaraya:</b> long absent.	1230-1330	Arabic	17540 15585 15350 11745
9612	<b>RRI Jayapura:</b> long absent.	1230-1330	Malay	15200 13760 13605 11885
9705	<b>RRI Pontianak:</b> apparently inactive.	1230-1330	Pashto	11875-v 11830 9585 7180
9745	<b>RRI Medan:</b> long absent.	1330-1430	Chinese	15200 13685 13605 11885 9625
11750	<b>RRI Jakarta, Bonto Sunggu:</b> apparently inactive.	1330-1430	Urdu	11830 11775 9585 9525 7115 6175
11885	<b>RRI Jakarta, Bonto Sunggu:</b> apparently inactive.	1330-1700	Arabic	11995 7190

(Yamada-JPN/Jembatan DX)

Here are the official holidays in Indonesia as per decree issued by the Ministry of Religious Affairs. There are 13 Holidays in INS, but next year, a full 6 of them fall on a weekend!

New Year's Day	01 Jan
Id-Ul-Fitri (End of Ramadan)	19-20 Jan
Nyepi (Hindu Day of Silence)	18 Mar
Id-Ul Adha (Muslim Sacrifice Day)	28 Mar
Good Friday	02 Apr
Islamic New Year (1420 H)	17 Apr
Ascension of Jesus Christ	13 May
Waisak (Buddhist Holiday)	30 May
Birthday of the Prophet Muhammad	26 Jun
Liberation Day	17 Aug
Ascension of the Prophet Muhammad	06 Nov
Christmas Day	25 Dec

(17-Oct/Werdin-INS/BC-DX/Bueschel-GER)

**IRAN Voice of the Islamic Republic of Iran (VOIRI)** is the ext service of the Voice and Vision of the Islamic Republic of Iran (VVIRI), which is also known as Islamic Republic of Iran Broadcasting (IRIB). This schedule is based mainly on monitoring observations.

0000-0130	Arabic	9615 6145 6120 5995
0030-0130	Bengali	11915 11785
0030-0130	English	9685 9022 7260 6055
0030-0130	Spanish	9650 6175
0130-0230	Arabic	9615 6120 5995
0130-0230	Spanish	9650 7260 6175 6055
0130-0230	Urdu	11915 7130 6005
0230-0330	Arabic	7190 7130 5995
0230-0330	Pashto	7130 6005
0230-0330	Spanish	6175 6055
0230-0430	Azeri	9615
0300-0330	Armenian	6210
0330-0430	Pashto	9570 6005
0330-0430	Swahili	13605 11750 9525 7260
0430-0530	Turkish	11790 9525
0530-0630	Bosnian	15230 13610 9525
0530-0630	Spanish	15260 11790
0530-0930	Arabic	17540 15585 15350 15125
0545-0630	Hausa	15450 13755

0630-0730	French	15325 15260 11790
0630-0730	Italian	15230 15084 13615-v
0930-1000	Armenian	11705 9615
0930-1130	Arabic	17540 15585 15350 15125 13605
1100-1230	English	15260-v 13605 11875-v 11830 9585
1130-1230	Arabic	17540 15585 15350 15125 11745
1200-1300	Italian	15115 15084 13600
1230-1330	Arabic	17540 15585 15350 11745
1230-1330	Malay	15200 13760 13605 11885
1230-1330	Pashto	11875-v 11830 9585 7180
1330-1430	Chinese	15200 13685 13605 11885 9625
1330-1430	Urdu	11830 11775 9585 9525 7115 6175
1330-1700	Arabic	11995 7190
1400-1500	Russian	11960 11930 9735 9575
1430-1530	Bengali	15130 13605 11875 5995
1430-1530	Pashto-z	11830 (progr fr Zahedan studio)
1430-1530	Urdu	11775-v 9585 9525 7150 6175
1500-1530	Kazakh	11885 9585-v 7165
1530-1630	English	15130 13605 11775-v
1530-1630	Pashto	9525 7150 6175
1530-1630	Russian	9575 9022 7260
1530-1730	Urdu-z	11830 (progr fr Zahedan studio)
1630-1730	Armenian	9620 9535 6005
1630-1700	Georgian	?? (progr fr Gilan studio)— unconfirmed
1630-1730	Turkish	9525 9022 7260
1700-1830	Arabic	9695 7190 6025
1730-1830	Bosnian	11660 9615 7340 7295 7165
1730-1830	German	9530 9022 7260 7160
1730-1830	Russian	7290 7200 7115 6035
1730-1830	Swahili	11750 9650
1730-1830	Turkish	11885
1830-1900	Albanian	11660 9615 7340 7295
1830-1930	French	11900 9022 7260 7160
1930-2000	Italian	11660 9615 7340
1930-2030	English	9022 7260 7160
1930-2030	Russian	9740 7305 7290 7175
1945-2030	Hausa	11720 9605
2030-2130	Arabic	9695 6145 6025
2030-2130	Spanish	9022 7260
2130-2230	Bosnian	7170 7145 7125
2130-2230	English	6175 6025
2130-2330	Arabic	9022 6145 6025 5995
2330-0030	Chinese	11915 7215 7130
2330-0030	French	9022 7260 6030
2330-2400	Arabic	9615 9605 6145 6120 6025 5995

(BBCM)

This schedule shows services broadcast by the **Voice of the Islamic Republic of Iran (VOIRI)** from its studios at Mashhad, the capital of Khorasan province in northeast Iran, for listeners in central

<b>Asia.</b>					
0100-0300	Dari	7180	1300-1400	Italian	7240 17780 21520
0300-0330	Uzbek	7180	1335-1355	Albanian	7240 9690
0330-0500	Tajik	7180	1400-1415	Slovene	7240 9690
1330-1530	Urdu	7180	1400-1500	Italian	7240 17780 21520
1530-1600	Uzbek	7180	1415-1435	German	7240 9690
1600-1730	Tajik	7180	1430-1455	Arabic	7295D 9670 11880
1730-1800	Uzbek	7180	1435-1455	Croatian	7240 9690
(BBCM)			1500-1520	Turkish	7240 9720
			1500-1525	Italian	7240 7295 9670 11880 17780 21520
<b>IRAQ Broadcasts by Radio Iraq International (Ar: idha'at al-'Iraq al-duwaliyah min 'Baghdad) have been highly erratic for several years. This schedule only shows transmissions confirmed by recent monitoring observations.</b>			1520-1540	Greek	7240 9720
0100-0200	Arabic	11785v	1525-1555	Italian	7240 17780 21520
0200-0230	German	11785v	1530-1555	French	7295 9670 11880
0230-0300	French	11785v	1540-1600	Bulgarian	7240 9720
0300-0400	English	11785v	1555-1625	Italian	7240 7295 9670 11880 17780 21520
1900-2000	Arabic	11785v(irreg)	1605-1625	Russian	9605 11820 15280
1900-2100	Turkish	9755v-anncd 9715v-alt (both unconfirmed)	1625-1700	Italian	7240 17780 21520
2000-2030	German	11785v	1630-1655	Arabic	9690 11880 15230
2030-2100	French	11785v	1630-1655	French	9670 11800
2100-2200	English	11785v	1700-1800	Italian	9670 11840 15220 15320 15330 17870
			1805-1825	German	5990 7120 9540
			1815-1830	Czech	6170 7240
			1830-1845	Slovak	6170 7240
			1830-1905	Italian	11800 15250 17780
			1845-1905	Polish	6170 7240
			1910-1930	Serbian	6110 7240
			1910-1930	Somali	11840 15275 17780
			1935-1955	English	5970 7120
			1935-1955	Hungarian	6110 7240
			2000-2020	Danish	5970 7120 SU/Tu/Th
			2000-2020	Esperanto	5970 7120 Sa
			2000-2020	Russian	5995 7190 9845
			2000-2020	Swedish	5970 7120 Mo/We/Fr
			2025-2045	Arabic	5955 7290
			2025-2045	English	7115 9670 11715
			2050-2110	Portuguese	5955 7290 9670 11715 15320
			2110-2130	Spanish	5955 7290
			2115-2135	Roumanian	6125 7115
			2135-2155	Arabic	5955 7290
			2135-2155	Czech	6125 7115
			2155-2210	Slovak	6125 7115
			2200-2225	English	5990 9675 11900
			2210-2225	Polish	6125 7115
			2230-0050	Italian	6010 9575 9675 11755 11800
			2300-0500	Italian	6060 Notturmo dall'Italia
					On Sunday from 1345-1700, programs are subject to reduction or suppression to broadcast news and commentaries of sporting events in Italian language, 'Tutto il calcio minuto per minuto' and 'Domenica Sport': 1345-1700 9670 17780 21535 21520 21710 (Clemente-ITL)
			<b>JAPAN NHK Radio Japan new sked, all sites:</b>		
			0000-0015	English-RS	11815 13650
			0000-0100	English-GS	6155W 6180W 9665A 11705C
0050-0110	English	6010 9675 11800			
0050-0110	Spanish	9575 11755			
0110-0125	French	6010 9675 11800			
0110-0125	Portuguese	9575 11755			
0130-0230	Italian	6010 6110 9575 9675 11755 11765 11800			
0230-0305	Italian	6010 9575 9675 11755 11800			
0305-0325	Spanish	6010 9575 9675 11755 11800			
0330-0350	Russian	5975 7235 9690			
0350-0410	Ukrainian	5975 7235 9690			
0415-0435	Amharic	11840 15220 17780			
0415-0440	Italian/EE	5975 7235			
0435-0510	Italian	11840 15220 17780			
0445-0505	Lithuanian	5975 9670			
0500-2300	Italian	6060 9515 Radiouno			
0500-2300	Italian	7175 Radiodue			
0510-0530	Roumanian	5975 7235			
0510-0530	Somali	11840 15220 17780			
0535-0555	Arabic	9690 11840			
0535-0555	Russian	9670 11800 15280			
0600-0700	Italian	7240 17780 21520			
0700-1000	Italian	7240 9670 17780 21520			
1000-1100	Italian	7240 9670 11920 17780 21520			
1100-1300	Italian	7240 9670 17780 21520			

0100-0200	English-GS	6150G 11860S 11870 15325 15570 15590 17835 21670	1030-1045	Italian-RS	21700G
0100-0200	English-RS	17685	1030-1100	Burmese-RS	11740S
0200-0300	Japanese-GS	5960C 11840 11860S 11870 11890K 13630 15570 15590 17685 21610	1030-1100	Portuguese-RS	15590F
0230-0300	Persian-RS	9515G	1045-1100	Swedish-RS	21700G
0230-0300	Portuguese-RS	15590F	1100-1130	German-RS	9660W 11710W
0300-0400	English-GS	17810 17825 21610	1100-1130	Korean-RS	6090
0300-0400	Japanese-R1-GS	5960C 9515G 9660F 11840 11870 11890K 13630 15590	1100-1130	Vietnamese-RS	9620
0330-0400	Russian-RS	15570	1100-1200	English-GS	6120C
0330-0400	Swahili-RS	6135A	1100-1200	English-GS	9695 15590
0400-0430	Arabic-RS	9515G 9660F 11895F	1100-1200	Japanese-R1-GS	9750 11815
0400-0430	Korean-RS	15570	1130-1200	Bengali-RS	12045K
0400-0500	Japanese-GS	11840 15230 15590 17810	1130-1200	Chinese-RS	6190
0430-0500	Chinese-RS	15570	1130-1200	Indonesian-RS	9620
0430-0500	Russian-RS	12030G	1130-1200	Russian-RS	11710W
0500-0515	Italian-RS	12030G	1130-1200	Thai-RS	11740S
0500-0530	French-RS	17820K	1200-1230	Hindi-RS	12045K
0500-0530	Korean-RS	15570	1200-1230	Korean-RS	6190
0500-0600	English-GS	6110C 7230W 9835 11715 11760 11840 11950 15230 15590	1200-1230	Malay-RS	9695
0515-0530	Swedish-RS	12030G	1200-1230	Swahili-RS	17790A
0530-0600	Chinese-RS	15570	1200-1230	Vietnamese-RS	11740S
0530-0600	German-RS	12030G	1200-1300	Japanese-R1-GS	9750 11815
0600-0630	Bengali-RS	11890K	1230-1300	Burmese-RS	9695
0600-0630	Russian-RS	11715 11760	1230-1300	Chinese-RS	11740S
0600-0630	Spanish-RS	12030G 15590F	1230-1300	Chinese-RS	6190
0600-0700	English-GS	5975W 7230W 9835 11740S 11840 11850 15590	1230-1300	French-RS	15400A 17790A
0630-0700	Chinese-RS	17860	1230-1300	Urdu-RS	12045K
0630-0700	French-RS	12030G	1300-1330	Indonesian-RS	9695
0630-0700	Hindi-RS	11890K	1300-1330	Russian-RS	6190
0700-0730	Arabic-RS	15220A	1300-1400	Japanese-R1-GS	9750 11705C 11815 17695W
0700-0730	Urdu-RS	11890K	1330-1400	Thai-RS	7200
0700-0800	Japanese-GS	6145 6165 9835 11740S 11840 11850 11920S 17860	1400-1430	Korean-RS	6190
0800-0830	Russian-RS	6145 6165	1400-1430	Malay-RS	7200
0800-0900	Japanese-R1-GS	9530F 9685 9750 9835 11710W 11740S 11850 11920S 15220A 15230G 15590 17860 15220A 15230G 15590	1400-1500	English-GS	9505 11730 11880K
0830-0900	Persian-RS	17820K	1400-1500	Japanese-R1-GS	9750 11705C 11815 17695W
0900-1000	Japanese-GS	9530F 9685 9750 9835 11710W 11740S 11815 11850 11920S	1430-1500	Chinese-RS	6190
0930-1000	Indonesian-RS	9695	1500-1520	French-RS	11785
1000-1030	Spanish-RS	9685 12030 15590F	1500-1600	English-GS	7200 9505 9750 11730
1000-1100	English-GS	9695 11850 15590	1500-1600	Japanese-GS	6035 7110 7140 7200 9535 9835 11730 11880K 15355G
1000-1100	Japanese-R1-GS	11815	1600-1700	Japanese-GS	6090 7110 9535 9825 15355G
1000-1100	Japanese-R1-GS	9750 11815	1700-1800	English-GS	6090 7110 9535 9825 15355G
			1700-1800	Japanese-GS	6035 7140 7200 9835 11880K 21630A
			1800-1820	French-RS	7110 7255 11785
			1800-1900	Japanese-GS	6035 7200
			1820-1840	Spanish-RS	7110
			1840-1900	Russian-RS	7110
			1900-1920	Russian-RS	11715
			1900-2000	Japanese-R1-GS	6165 7225 11665 11910
			2000-2100	Japanese-R1-GS	6035S 6165 7225 11665 11910

2100-2200	English-GS	6035S 9725 11850 13630
2100-2200	Japanese-R1-GS	7225 11665 11910
2200-2300	Japanese-R1-GS	6050W 6115W 9725 11665 11705C 11850 11895F 11910
2210-2230	Korean-RS	9560
2230-2250	Chinese-RS	9560
2240-2300	Chinese-RS	13650
2240-2300	Malay-RS	11815
2300-0000	Japanese-R1-GS	9725 11665 11910
2300-2320	Indonesian-RS	11815
2300-2320	Thai-RS	13650
2320-2340	Burmese-RS	13650
2320-2340	Vietnamese-RS	11815
2340-0000	Chinese-RS	11815
2340-0000	Chinese-RS	13630
2340-0000	Indonesian-RS	13650

A=via Ascension Island C=via S, Canada F=via Montsinyre, French Guiana G=via Moyabi, Gabon K=via Ekala, Sri Lanka S=via Singapore W=via Skelton/Wooferton, UK (Hishikawa/Radio Japan/Volk-GER)

**JORDAN** 6985 is one of the well known 'side-spurs' put out by *Radio Amman* 170 kHz lower than 7155, in theory it should also appear on 7325 too. (19-Oct/Green-UK/WWDXC TopNews/Bueschel-GER)

**KAZAKHSTAN** 9505 *Kazakh Radio 2*, 1240 fair and fluttery with stringed instrument strumming and soaring M vocal, // to the Kiev relay on 11720, which was considerably stronger. Played a little tune at 1300 that may or may not have been an IS. (22-Oct/Novello-NC) RealAudio sample at <http://itre.ncsu.edu/radio/samples/kazakh-1300.rm> 11720 Radiochannel "*Evrasiya*" broadcasts in Russian 0940-1000 Tue/Sun //5970, 6000, 9505, 9620 and 1020-1040 Sun//9505 and 9602.(Club DX/VOR/Kle-pov/DSWCI DX Window/Petersen-DEN)

**KUWAIT** *Radio Kuwait* has added a morning transmission in English to its schedule: 0500-0800 on 15110. (21-Oct/Koie-DEN/BC-DX/Rev. of International Broadcasting/Hauser-OK)

**LAOS** 6130 *Lao National Radio*, Vientiane, 1455 very clear W in Laotian with M speaker follows by slow western pop music with Lao M song dominant for this time after 1505 no more heard Xizang Lhasa dominant on this freq. (16-Oct/van Rooy-HOL/DSW-CI DX Window)

6973v *Luang Prabang*—tune in 1150 own prgs. 1158 joins the main sce from Vientiane for nx at 1200. Weak signals. Goes off at 1400. Also noted around 0040. (26-Sep/Weerakoon-CLN/BC-DX/Bueschel-GER)

Domestic broadcasters in Laos, based on monitoring in Tioman Island, Malaysia:

- 4682.3 *Houa Phan Regional Station*, Xan Nua, 1000-1400, Lo Ve  
6130.0 *Lao National Radio*, Vientiane, 2200-0800, Lo  
6130.0 *Lao National Radio*, Vientiane, 0930-1600, Lo  
6972.5 *Luang Prabang Regional Station*, Louang Prabang, 1300-1400, Lo Ve

(Padula/EDXP)

**LIBERIA** 5880 *Star Radio*, Monrovia, \*0500-0505, tuned in to brass band anthem, muffled opening anmts by man in EE citing morning program sked to 8 o'clock (ie. 0800), then into lengthy talk by a different M anncr in local native language. Given the station has stated that the reactivated transmitter is only running 1.3 (or is it 3-?) kW, signal was surprising good, although LSB tuning is required to minimize slop from Vatican Radio on 5883. (13-Oct/Clark-ONT)

**LIBYA** Libyan radio's external service, *Voice of Africa*, was observed on 19th October with a news bulletin in English from 2044-2051 followed by French from 2051-2059 on 15415 and 15235kHz. Arabic programming resumed at 2100. The English service identified as "the Voice of Africa broadcasting from Tripoli, Great Jamahiriyah." This is the first time English or French programming has been observed from Libyan radio on shortwave for several years. Libyan radio's external service in Arabic, which previously identified itself as Voice of the Greater Arab Homeland, has been identifying as Voice of Africa since 12th October. (BBCM) So far, the bulletins—approximately eight minutes in English followed by eight minutes in French—have been heard within the periods 0130-0200, 1130-1200, 1730-1800 and 2030-2100 (the timing varies slightly from day to day). Broadcasts in Arabic are heard at other times. (Libyan radio's external service in Arabic, which previously identified itself as Voice of the Greater Arab Homeland, has been identifying as Voice of Africa since 12th October. It is observed on 15435, 15415 and 15235 kHz short-wave.)

**MALAWI** *MBC Radio Malawi* has not been heard on SW for the past few days. (17-Oct/Vaghjee-MAU)

**MALAYSIA** A check on dom stations in Peninsular Malaysia, with several recent changes of IDs for RTM networks:

Ch 1 in My 24h on 5965 (usu with low audio level and buzz or hum on both sidebands). Ann: '*Radio Malaysia Saluran Satu*'. Channel 4 in English 24h on 7295. Ann: '*Radio Malaysia Channel Four*'. Channel 5 in Ch 24h. Ann: '*Malaixiya Guangbo Dian-tai Di Wu Pindao*?' Channel 6 in Tamil 24h on 4845. Assume this announces as 'Channel 6' in Tamil. Channel 7 (local afternoon-1300) and Channel 8

(0400-local afternoon) on 6025 only in Malay and Orang Asli langs. Ann: 'Radio Malaysia Saluran Tujuh/Lapan'.

Music Channel in My/En 24h. Ann: 'Radio Malaysia Saluran Muzik'. Suara Islam (Voice of Islam) 1400-1600 on 6026, 6175 and 9750.

RTM Sabah 5979 and RTM Sarawak via Kuching 4895/7270 and Sibu 5005/6050 are ll well heard here, but I have been unable to trace Kuching 5030, Miri 6060 and Kuching 7130 despite several attempts, tentatively suspect that at least the first two of these frequencies may now be inactive. (22-Oct/Davies-MLA/BC-DX/Bueschel-GER)

#### MONACO TWR Monte Carlo:

0745-0935	English	9870 Fr
0745-0950	English	9870 Sa
0755-0920	English	9870 Su-Th
0930-0945	German	7160 9795 Su-Fr
0930-1015	German	7160 9795 Sa
1330-1345	Croatian	7255 Fr/Sa
1330-1345	Serbian	7255 We
1330-1415	Croatian	7255 Su/Mo/Tu/Th
1345-1415	Croatian	7255 We
1345-1415	Macedonian	7255 Sa
1345-1415	Slovenian	7255 Fr
1415-1430	German	7160 9795 Fr
1430-1500	German	7160 9795
1515-1530	Slovak	7355 Tu/Fr/Sa
1515-1600	Czech	7355 Su/Mo/We/Th
1530-1600	Czech	7355 Tu
1601-1616	Hungarian	7340 Sa
1601-1631	Hungarian	7340 Su-Fr
1900-1915	Russian	9705 Su
1900-1945	Russian	9705 Tu-Sa
1915-1945	Belorus	9705 Su

(2-Oct/MIDXB/Brazhnikov-RUS)

#### MONGOLIA Voice of Mongolia schedule Sep 28-Mar 28:

0830-0900	Russian	12015
0900-0930	Japanese	12085
0930-1000	Mongolian	12085
1000-1030	Chinese	12085
1030-1100	Japanese	12085
1130-1200	Mongolian	12085
1200-1230	Chinese	12085
1230-1300	English	12085
1300-1330	Russian	12015
1330-1400	Japanese	12085
1430-1500	Chinese	11790 12085
1500-1530	English	11790 12085
2000-2030	Russian	11790 12085 (poss. only 11790)
2030-2100	English	11790 12085

(21-Oct/Brazhnikov-RUS/WWDXC TopNews/Bueschel-GER)

4850 Radiostation Khekh Tangar, 0107-0145, is on the air again, noted with non-stop western

pop and rock music, advertising at 0140-0145 followed by jingle with ID in Mongolian and English ("Blue Sky") and more music. 4850 is only SW freq. for Mongolia—Radiostation Khekh Tangar (Blue Sky), 2200-1500, broadcasting here since April 15, 1994, in Mongolian. I have QSL letter from this station, v/s Director, A. Buidakhmet. But on Oct 5, from 1350 till s/off at 1455 there was noted domestic service—Radio Ulaanbaatar with clear ID at 1400, //LW 227 kHz. Cochannel ORM due to Uzbek R. and CNR. (9-Oct/Brazhnikov-RUS/DSWCI DX-Window/Pedersen-DEN)

**MOZAMBIQUE** 3210 *Radio Nacional*, Maputo, 1800, returned to the air on after more than a year off the air on this frequency; good signal at, ID as "Radio Nacional Mozambique" (5-Oct/Vaghjee-MAU/DSWCI DX-Window/Pedersen-DEN) 3210.1, UNID, weak signal with quite some static noise. African sounding music and M speaker in presumed Portuguese. Possibly Mozambique. (5-Oct/Veldhuis-HOL)[Likely, Mark-AQ]

**MYANMAR** R. Myanmar, 4725 & 5985 noted from around 1115 fade-in with Burmese, different progrs. (2-Oct/Padula-AUS/EDXP/BC-DX/Bueschel-GER) Radio Myanmar f/in around 1415 on v5985 (Oct 26), clear channel. Until 1430 Burmese, then IS, ID and px in En. 1453 open carrier and 1457 IS of Radio Tirana-ALB. [observed on v5985.85] (26-Oct/Volk-GER/BC-DX/Bueschel-GER)

[non] *Democratic Voice of Burma* in Burmese to Myanmar:

1245-1345	13820-Dushanbe	15330-Julich
1430-1455	11850-Kvitsoe	13820-Dushance
		15635-Julich

(17-Oct/DVB/WWDXC TopNews/Bueschel-GER) Both programs should test also on either 5910, 5945 and 7490 from unknown location. (CRW/WWDXC TopNews/Bueschel-GER)

**NAMIBIA** 6060 *NBC* Windhoek, 1535-1600, English. Magazine program. Swaziland electoral system explained. Security arrangements at Zimbabwean Universities which re-open Monday. (22-Oct/Clemilton/DSWCI DX Window/Petersen-DEN)

6175 *NBC* Windhoek, 1410-1430, Afrikaans. Talk program. A Mr. VdMerwe discussing the survival habits of Baboons in times of drought, and other wild life issues. Signal was lost under QRM at 1530. (20-Oct/Clemilton/DSWCI DX Window/Petersen-DEN)

**NETHERLANDS** *Radio Netherlands* in English, B98 schedule:

0930-1125	P7260 I12065 B9820
1130-1225	J6045 W9855
1430-1625	M12090 I13755 M15585
1730-2025	M6020 M9605
1830-2025	F9895 F11655 B15315
2130-2325	Wo1512

2330-0125 B6165 B9845  
0430-0525 B6165 B9590

F=Flevoland, M=Madagascar, B=Bonaire,  
I=Irkutsk-RUS, J=Jülich-D, P=Petropavlovsk-Kam-  
chatskiy, T=Tashkent-UZB, W=Wertachtal-D,  
Wo=Wolvertem-BEL. (RNW/BC-DX/Bueschel-GER)

#### NORTHERN MARIANA ISLANDS *KFBS/FEBC* Saipan:

0800-0830	Banjar	15380
0830-0900	Gorontalo	15380
0855-1100	Russian	11650
0900-0930	Makasar	15380
0930-1000	Bugis	15380
0955-1600	Mandarin	9495
1000-1030	Sundanese	15380
1030-1100	Javanese	15380
1100-1115	Mongolian, chi.	11650
1100-1230	Indonesian	15380
1115-1130	Mongolian, halh	11650
1130-1145	Russian	11650 Mo-Sa
1130-1145	Ukrainian	11650 Su
1145-1400	Russian	11650
1230-1300	Malay	15380
1300-1400	Vietnamese	9670
1400-1430	Koho	9670 Su
1400-1430	Vietnamese	9670 Mo/Tu/Th/Fr/Sa
1400-1430	White Hmong	9670 We
1400-1530	Russian	9465
1430-1530	Burmese	9670
1530-1545	Kirghiz	9465 Fr-Sa
1530-1545	Russian	9465 Su/Tu/We
1530-1545	Udmurt	9465 Su
1530-1545	Uzbek	9465 Th
1530-1600	Udmurt	9465 Su
1530-1600	Ukrainian	9465 Mo
1545-1600	German	9465 Tu-We
1545-1600	Kazakh	9465 Fr-Sa
1545-1600	Osetin	9465 Th
1545-1600	Russian	9465 Su
1600-1615	Uighur	9495
1600-1800	Russian	9465
1615-1630	Kazakh	9495 Tu-We
1615-1630	Kirghiz	9495 Th-Fr
1615-1630	Osetin	9495 Mo
1615-1630	Uzbek	9495 Sa/Su
1800-1830	Russian	9465 Su/Mo/Tu/We/ Th/Sa
1800-1830	Ukrainian	9465 Fr
1830-1845	German	9465 Su
1830-1845	Russian	9465 Tu/Th/Sa
1830-1845	Ukrainian	9465 Fr
1830-1900	English	9465 We
1830-1900	Romanian	9465 Mo
1845-1900	German	9465 Su/Fr
1845-1900	Russian	9465 Th
1845-1900	Ukrainian	9465 Tu/Sa

(FEBC website)

**NORWAY** This note from Olav M. Grimdalen, Frequency Manager of *Radio Norway International*: First of all I like to express my sympathy to all of RNI listeners that no longer will receive "Norway No." I have done whatever I can to get the support to continue, but in vain. It is a sad business that NRK now has chosen to stop sending the English program. Anyway the show must go on.

I am enclosing our schedule starting from 25 October to 27 March 1999. Even if you do not understand Norwegian I personally would like to receive listeners report over E:mail. Preferable from South East Asia and Western North America Far East and the Middle East. Thank you very much for you that take the time to inform me of how the frequency I have chosen are working.

0000-0100	9935 9945
0100-0200	7465 7545 9945
0200-0300	7465 7545 9945
0300-0400	7545 7565 9945
0400-0500	7545 7560 9940
0500-0600	7440 7480
0600-0700	5965 7180 9590 13800
0700-0800	7180 9590 18950
0800-0900	13800 15175
0900-1000	13800 15175
1000-1100	13800 18950
1100-1200	13800 18950
1200-1300	9910 18950 21725
1300-1400	9590 9910 18950 21725
1400-1500	15705 18950
1500-1600	13790 13800 15705
1600-1700	9590 13800 15705
1700-1800	7485 11895 15705 18950
1800-1900	5960 7485 15705 18950
1900-2000	7485 9935 13800 15705
2000-2100	7580 7560 15705
2100-2200	7580 9945
2200-2300	9415 9925
2300-2400	9415 9935 9945

(Grimalden-NRK)

**OMAN** Here is a new observed schedule of *R. Oman* (Sep 23-24) including some new freqs, such as 7120, 13620 (co-ch with KWT and JOR) or 17630:

6120	0200-0400
7120	0200-0400
7230	0200-0455+, +1325-2130
9735	0400-0600, 1900-2130
11805	1600-1900
11890	0400-0900, 1800-2130
13620	+1015-1400
15140	1400-1600
15375	1400-1800
17630	+1015-1400
17730	0600-0800

(Sep/Timofeyev-RUS + Paniview-BUL/BC-DX/Bueschel-GER)

**PAKISTAN** *Radio Pakistan* is now using API-1 transmitter for Turkish at 1700 on 12015 nominal,

but it's working very badly and often 'peaks' at 12008-12012-12014. I've suggested they tune to clear 12010, but will need to repair the transmitter first! API-4 is used on 13580 also Turkish at 1700-1730. (19-Oct/Green-UK/BC-DX/Bueschel-GER)

3663.7v **Azad Kashmir** R. 0104 Unaccompanied singing that sounded very much like Gregorian chant, with solo man alternating with unison chorus of men; man in subcontinental language (Urdu?) from 0109. Drifted slowly down to 3663.5 by 0112, then sank beneath the waves and was gone by 0118. Very weak, though I was able to confirm // with stronger 4790.4. Only a tiny, slowly drifting het on subsequent evenings. I think this may be the first time I've ever heard the "real" (Kashmir-based) AKR from the East Coast. (8-Oct/Hill-MA)

#### **PALAU KBN Palau:**

0700-0800	9965 9985 13840 15725
0800-1100	9955 9965 9985 13840 15725
1100-1300	9955 9965 9985
1300-1400	9955 9965 9985 13840
1400-1600	9955 9965 9985
1600-1800	9955 9965
1800-1900	9965
2100-2400	9985
2200-2400	9955
2200-2400	9965

(George Jacobs & Associates, Inc.)

**PAPUA NEW GUINEA** 4890 **NBC** Port Moresby, 1125, back on the air at usual good level with pop mx like Mary-Chapin Carpenter's "Passionate Kisses," announced by familiar M DJ. (19-Oct/Novello-NC) 1935 with easy listening songs and ID, 2000 news; quite good, best on LSB. (19-Oct/Liangas-GRC) Oct 20 first time heard in a long time @ 1100. An equipment failure? ID, news and px of US Pops. What was interesting was a series of ads which aired at 1130. The NBC were advertising for applicants to fill vacancies at the various regional broadcasting stations. I heard an ad for personnel for Radio Central and Eastern Highlands. (20-Oct/Rippel-VA/DSWCI DX Window/Petersen-DEN)

9675 **NBC** Port Moresby, 1230, using their alternate frequency today, with 4890 empty. Local version of "Mr. Moonlight," Eddie Rabbitt, and Creedence Clearwater Revival songs. Big signal. Back on 4890 next day. (23-Oct/Novello-NC)

**PARAGUAY** ZP30, **La Voz del Chaco**—everything is ready for building the facilities for a SW service. HCJB would provide know-how and technical installations. The only remaining problem is that the authorities just do not issue licences for SW stations at the time. (Kuhl-GER/NU/Radio Nuevo Mundo/Rev. of International Broadcasting/Hauser-OK)

**PERU** 4748.3 **Radio Huanta 2000**; 1022 huayno and comunicado. (17-Oct/TIN-JPN/Relampago DX)

4824.42 **Radio La Voz de la Selva**, Iquitos; noted at 1006 with "La Bamba." (17-Oct/TIN-JPN/Relampago DX)

4935.02 **Radio Tropical**, Tarapoto; 1010-1020 fair signal. chicha and several advs in Tarapoto. (17-Oct/TIN-JPN/Relampago DX)

5025 **Radio Quillabamba**; 1000-1005 good signal over 9+20dB and no QRM of Radio Rebelde. Playing beautiful regional folklore of Cusco. At 1005 ID was given by M announcer with TC as "5 de la mañana con 5 minutos, 5 y 5 minutos en los estudios de Radio Quillabamba transmitiendo desde Quillabamba, capital de la Provincia de La Convención, Cusco, Peru." (17-Oct/TIN-JPN/Relampago DX)

5304.98 **Radio La Inmaculada**, Santa Cruz; 1036-1045 program "Alegre Despertar." Ar 1045 ID was announced. (17-Oct/TIN-JPN/Relampago DX)

5522.3 **Radio Sudamerica**, Cutervo; is still active here, but has been licensed to operate on 3320kHz in the 90 meter band shortwave with call sign OAW2D. It may change the operating frequency in the future. (TIN-JPN/Relampago DX)

5760.2 **Radio Sorocucho** 1015-1050 New station from Sorocucho, Pvcia de Celendin, Dpto de Cajamarca. 5 de la madrugada con 20 minutos la hora que te informa tu nueva Radio Sorocucho, ahora amigos con la mejor musica en esta mañana, hoy domingo 25 de octubre del año 1998...En la Radio Sorocucho la buena radio, la radio en la onda corta en los 5305 Khz...Noted nominal frequency 5305 Khz, maybe that station is the reported by TIN. (25-Oct/Rodriguez-COL/Rev. of International Broadcasting/Hauser-OK)

6674.8 **Radio Impacto** 1120-1200 React. freq. with new name Radio Impacto, ex- Radio Ondas del Rio Marañon. QTH is Jiron Amazonas No. 315 in Aramango, Pvcia de Bagua, Dpto de Amazonas, Peru. program: Variando los exitos. with Los Chaskis del Peru and El Comunero de los Andes. TC: Atraves de la Radio Impacto 6 de la mañana con 25 minutos, 6 de la mañana con 25 minutos en todo el territorio peruano...ID: Somos desde Aramango Radio Impacto desde el Jiron Amazonas No. 315, en los 6675 Khz banda internacional de 49 metros...(25-Oct/Rodriguez-COL/Rev. of International Broadcasting/Hauser-OK)

6690.06 **Radio Estudio DW**, Pardo Miguel Naranjos; 1024-1130 fair. Thanks to tip from Rafael Rodriguez & Henrik Klemetz in Colombia, I heard this station for the first time here in Tokyo. It was reported the first morning program was entitled as "Mananitas Campesinas" but the announcer said as follows: "Las 6 de la mañana con 10 minutos, 6 de la mañana con 10 minutos en sus estudios de su Radio DW. Transmite Radio Estudio DW...a la hora de costumbre con el programa POR LAS RUTAS CAMPESINAS." and also "Las 6 de la mañana con 46 minutos, las 6 de la mañana con 46 minutos...les

esperamos en Buens Vista...en su sintonia de su program POR LAS RUTAS CAMPESINAS...en Radio Estudio DW." (17-Oct/TIN-JPN/Relampago DX)

6797.68 *Radio Ondas del Rio Mayo*, Nueva Cajamarca; 1015-1034 fair, Px "El Madrugador" playing musica cajamarquina with social service including "Comunicados" and "avisos." (25-Oct/TIN-JPN/Relampago DX)

7040.61 *Radio San Ignacio*; 11130 fair under HAM QRMs. px "Amanecer Campesino" ID was frequently announced. (17-Oct/TIN-JPN/Relampago DX)

9674.8 While looking/checking 9675 for PNG—which I didn't find!—I came across a LA stn using 9674.8. Splash fr VoA 9680 til 0700, then clear but weak. Vaguely relig mx like VozCristiana when first heard on Sep 29. All announcements in Spanish, so not likely to be Cancao Nova-Brz, could it be Radio del Pacifico in Peru on extended sched? (19-Oct/Green-UK/BC-DX/Bueschel-GER)

**PHILIPPINES FEBC** Philippines:

0100-0300	English	15450
0115-0130	Atsi	15465 Th-Sa
0115-0130	Lushai	15465 Su
0115-0130	Maru	15465 Mo-We
0130-0145	Kuki	15465 Fr-Su
0130-0145	Meithei	15465 Mo-Th
0145-0200	Naga-ao	15465 Sa/Su
0200-0215	Lushai	15465 Sa
0500-0900	Mandarin	15450
0800-0830	Sasak	12005
0830-0900	Javanese	12005 Su/Tu/Th/Sa
0830-0900	Sundanese	12005 Mo/We/Fr
0900-1000	Indonesian	12005
0900-1600	Mandarin	9405
0915-0945	Komering	15095 Mo/We/Fr
0915-0945	Ogan	15095
0930-1100	English	11635
0945-1015	Batak, toba	15095
1000-1030	Amoy	9475
1000-1030	Minangkabau	12005
1015-1045	Malay	15095
1030-1045	Mien	11610
1030-1100	Swatow	9475
1045-1100	Khmu	11610
1045-1115	Aceh	15095
1100-1130	Blue Hmong	11610 Th/Sa
1100-1130	White Hmong	11610 Su/Mo/Tu/We/Fr
1100-1230	Cantonese	9475
1115-1130	Eastern cham	9795 We
1115-1130	Katu	9795 Tu
1115-1130	Muong	9795 Th
1115-1130	Nung	9795 Mo
1115-1130	Stieng	9795 Sa/Su
1115-1145	Bahnar	9795 Fr
1130-1145	Black tai	9795 Mo/Sa
1130-1145	Bru	9795 Tu
1130-1145	Chru	9795 We
1130-1145	Jeh	9795 Th
1130-1145	Mon	15095

1130-1200	Chrau	9795 Su
1130-1200	Lao	11610
1145-1200	Karen-sgaw	15095
1145-1200	Rengao	9795 Th
1145-1200	Roglai	9795 We
1145-1200	Sedang	9795 Fr
1145-1200	Tho	9795 Tu
1145-1200	White tai	9795 Mo/Sa
1200-1215	Rawang	15095
1200-1300	Khmer	11610
1200-1300	Vietnamese	9795
1215-1230	Lisu	15095
1230-1345	Burmese	15095
1230-1600	Mandarin	9475
1300-1315	Hre	9795 Tu
1300-1315	Koho	9795 Mo
1300-1330	Jarai	9795 Fr
1300-1330	Koho	9795 Su/Th
1300-1330	Rade	9795 We/Sa
1315-1330	Hre	9795 Tu
1315-1330	Mnong	9795 Mo
1330-1345	Jingpo	9795
1345-1400	Chin, daai	15095
1345-1400	Mien	9795
1400-1415	Karen-pwo	15095 Mo/Sa
1400-1415	Palauung, pale	15095 Mo-Fr
1400-1600	English	11995
1415-1430	Chin-haka	15095 Mo-We
1415-1430	Chin-tidim	15095 Th-Sa
1415-1430	Lushai	15095 Su
2200-2400	Mandarin	9405
2230-2300	Lao	9875
2230-2315	Khmer	9495
2230-2330	Indonesian	9780
2300-2315	Akha	11650 Sa/Su
2300-2330	Blue Hmong	9875 Th/Sa
2300-2330	White Hmong	9875 Su/Mo/Tu/We/Fr
2315-0015	Vietnamese	9495
2315-2330	Lahu	11650
2330-0115	Burmese	15465
2330-2345	Wa	11650
2345-0030	Shan	15520

(FEBC website)

**QATAR** *Qatar Broadcasting Service* (QBS), Doha, all broadcasts in Arabic:

0245-0705	9570 7210
0707-1305	17895 9570
1305-1705	11750 9570
1705-2130	11750-(alt) 9570 7210

(BBCM)

**RUSSIA** *Voice of Russia*, English schedule to 7-Mar-99:

0200-0300	12020 9875 9865 7180
0300-0400	12020 9875 9865 7180 5940
0400-0500	13640 12020 12000 9850 7180 7125 6065 5920
0400-0430	12060
0500-0600	13640 12020 12000 9850 7180 7125 6065 5920
0600-0700	21790 17570 15525 15470 15460

0700-0800	21790 17570 17495 15525 15470 15460	1530-1600	5910M 6060M 6125S 7145T 7220Y 7340P 7440I 12060M 13705M 15455M
0800-0900	21790 17495 15525 15470 9905	1600-1630	5985T 5910M 6060M 6125S 7220Y 7340P 12060M 13705M 15455M
0900-1000	17495 15525 15470 9905	1630-1700	5895T 5910M 6060M 6125S 7220Y 7340P 12060M 13705M 15455M
1500-1600	11500 9800 9775 7440 6030	1700-1730	5895T 5910M 6060M 6125S 7220Y 7340P 12060M
1600-1700	9775 7210 6005 4975 4940 4730	1730-1800	5895T 5910M 6060M 6125S 7170M 7220Y 7340P 12060M
1700-1800	9470 7305	1800-1900	5895T 5910M 6060M 6125S 7170M 7340P 12060M
1800-1900	9890 9480 7340 7305 5965 5940	1900-1930	5895T 5910M 6060M 6125S 7170M 7340P
1900-2000	9890 9775 9745 9480 7340 7310 7305 5965 5940 5920	1930-2000	5895T 5910M 6045M 6060M 6125S 7170M 7340P
2000-2100	9890 9480 7340 7300 5965 5940	2000-2200	5895T 5910M 6045M 6060M 6125S 7170M 7340P 7390I
From 7-Mar-99 thru 28-Mar-99:		2200-2300	7220Y 7390I
0200-0300	15595 12020 9875 7180	2300-2330	7220Y
0300-0400	15595 12020 9875 7250 7180	2330-2400	7220Y 9700I
0400-0500	13640 12040 12020 12000 9875 9850 7180 7125	I-Irkutsk GPR-10 M=Moscow GPR-1 P=St. Petersburg GPR-2 S=Samara T=Tbilisskaya Oktyabrsky [Ar-mavir] Krasnodar TCR-4 Y=Yekaterinburg YeRe (4-Oct/Rudnev-RUS/BC-DX/Bueschel-GER)	
0500-0600	13640 12040 12020 12000 9875 9850 7180 7125	4485 <b>Radio Bashkortostan</b> , Address: ul.Gafuri, 9/1, 450076 Ufa broadcasts its 1st Channel: Radio Bashkortostan + Radio Rossii in Bashkirian (60%), Russian (39.5%), Tatar (0.5%). Local programs: Mon-Fri 0200-0300, 0700-0900, 1300-1500; Sat 0200-0900; Sun 0300-0900	
0600-0700	21790 17665 17570 15525 15460	4795 <b>Buryatiya</b> , Ulan-Ude. Local Programs + Radio Rossii 2100-1600 (irr 1800) (Brazhnikov/MIDX/DSWCI DX Window/Petersen-DEN)	
0700-0800	21790 17665 17570 17495 15525 15460	4860 <b>Chita</b> , Chitinskaya oblast has been off the air for few months. (Brazhnikov/MIDX/DSWCI DX Window/Petersen-DEN)	
0800-0900	21790 17665 17495 15525 9905	5550.4 <b>Radio Kyzyl</b> , Republika Tuva (Siberia)—new on SW and possibly a feeder, 2220-2359*, local progr mostly in Tuvian but also in Russian till 2300 and between 2310 and 2359 and Radio Rossii nx at 2300, ID and time ann in RR at 2310 as "Govorit Kyzyl, sem chasov desyat minut," weather reports in Tuvian/RR at 2255, 2311, 2355, final ann in two langs at 2359 incl in RR as "Peredacha iz Kyzyla okonchena" (=The bc from Kyzyl is ended)—fair to almost good with some QRM from utility stn, also on Sep 23 at 2330-2359*, by the way, you can find this stn in WRTH98 under "TU" in "Russia" (22-Sep/Timofeyev-RUS/DXW/BC-DX/Bueschel-GER) new 5550 Monitoring at 1000-1300. R. Rossii *1000-1010, then R. Kyzyl 1010-1042*, 1100-1301 R. Rossii with several pauses during transmission. Nothing at 1329. (10-Oct/Miroshnikov-RUS/NC-DX/Bueschel-GER)	
0900-1000	17665 17495 15525 9905	6095 <b>R. Khanty-Mansiysk</b> , 0100-0130, local IS, RS with usual morning progr "Yugorskaya parallel" incl various nx items, ID's as "Radio Yugry" and local summer time ann (UTC +5h), another progr in	
1500-1600	15550 11500 9710 9480 9475		
1600-1700	12065 9475 7210 6005 4975 4940 4730		
1700-1800	12065 9830		
1800-1900	12065 12010 9890 9820 9785 7340		
1900-2000	15470 12065 12010 9890 9820 9785 9475 7340 7310 5920		
2000-2100	12070 12010 9890 9820 9785 7360 7340		

(VOR website/Quaglieri-NY)

**Radio Rossii SW relays: (tentative):**

0000-0200	7220Y 9700I
0200-0500	5910M 6110M 6115M 6125S 7220Y 7325T 7335P 7380M 9700I
0530-0600	6110M 7220Y 7250M 7335P 9700I 9860M 11720T 11990S 12060M
0600-0630	7220Y 7250M 7335P 9700I 9860M 11720T 11990S 12060M
0630-0700	7220Y 7250M 7335P 9700I 9720M 9860M 11720T 11990S 12060M
0700-0730	7220Y 7250M 9720M 9860M 11720T 11990S 12060M
0730-0800	7220Y 7250M 7440I 9720M 9860M 11720T 11990S 12045P 12060M
0830-1200	7220Y 7250M 7440I 9720M 11720T 11990S 12045P 13705M 15455M
1200-1230	7220Y 7250M 7440I 9720M 12045P 13705M 15455M
1230-1400	6125S 7145T 7220Y 7250M 7440I 9720M 12045P 13705M 15455M
1400-1430	6125S 7145T 7220Y 7250M 7440I 9720M 13705M 15455M
1430-1500	6125S 7145T 7220Y 7250M 7340P 7440I 9720M 13705M 15455M
1500-1530	6125S 7145T 7220Y 7340P 7440I 13705M 15455M

local langs (Khanty and Mansy) at 1000. Fair, // 4820. (30-Sep/Timofeyev-RUS/DXW/BC-DX/Bueschel-GER)

**Pomorje TV and Radio Company** is operated by the state TV and radio company "Pomorje." It usually identifies simply as "Govorit Arkhangelsk" ("this is Arkhangelsk"); when not carrying local programs, it relays Radio Russia from Moscow.  
0100-2300 Russian 6160

Local programming is from 0300-0400 and 1410-1500. (BBCM)

**Murmansk Radio** is operated by the state TV-Radio company "Murmansk." It usually identifies simply as "Govorit Murmansk" ("this is Murmansk").  
0100-2300 Russian 5930

Local programs air from 0300-0410, 0600-0700 (Sa/Su), 0810-0900 (Mo-Fr "Radiostantsiya Atlantika"), 1400-1500 (Mo-Fr), 1510-1600 ("Radio Miks") (BBCM)

9489.75 R. **Abkhazia**, Sukhumi, \*0329 Tuned around in the vicinity looking for a weak signal, then parked here for a moment; and got completely blown away by huge S9 carrier, IS thrice, and signon by W including "Govorit Sukhum" ID. Used electronic pop mx theme "Children" by Robert Miles, then into presumed nx by man. (18-Oct/Novello-NC)

**Radio Vaticana** uses now a CIS transmitter 1450-1610 on 11695 for Hindi, Tamil, Malayalam and English. (Lieberwirth/Ludwig/BC-DX/Bueschel-GER)

**SAUDI ARABIA** 7150 BSKSA Holy Quran, 0319, reactivated freq after approx. two months of silence and in the morning only (no signal at 1500-1700), //9553.6, 9619.4, 9715, 9718.3, 11785, 11870 and 17895 (14-Oct/Timofeyev-RUS/DSWCI DX Window)

**SEYCHELLES FEBA** sked:

0030-0100	Hindi	7350
0045-0100	Bangla	9785 Su-We
0100-0115	Marathi	7350
0100-0200	Tamil	9785
0115-0200	Telugu	7350
0200-0215	Hindko	9785 Mo-Tu
0200-0215	Siraiki	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	11690 15555
0300-0330	Farsi	11690
0315-0345	Swahili	11885 Tu/Fr
0315-0400	Swahili	11885 Su/Mo/We/Th/Sa
0345-0430	Arabic	15540
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	Hindi	15540 Th
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 Su
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/Th
1300-1330	Malayalam	11600
1315-1330	Gujarati	15445
1330-1400	Sinhala	9810
1330-1400	Tamil	11600
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
1445-1500	Badaga	15445 Mo-Tu
1445-1500	Konkani	15445 We/Sa
1445-1500	Tulu	15445 Th/Fr
1445-1515	Kannada	15445 Su
1500-1515	Kannada	15445 Mo-Sa
1500-1600	English	11600
1515-1530	Azeri	11665 Fr-Su
1530-1545	Nuer	11885 Fr-Mo
1530-1600	Farsi	11665
1545-1600	Dinka	11885 Fr-Mo
1600-1615	Hazaragi	11665
1600-1615	Makonde	11885
1600-1630	Amharic	11640 Fr-Su
1615-1630	Dari	11665
1615-1630	Guragena	11640 Mo-We
1615-1700	Swahili	11885 Th-We
1630-1700	Amharic	11640
1630-1700	Dhivehi	11665 Fr
1630-1700	English	11665 Su
1700-1730	Oromo	11640 Su
1700-1730	Somali	9810 11885
1800-1830	Tamil	11745 Fr

1830-1900 Malayalam 11745 Fr  
 1833-1848 French 9500 Tu-We  
 1833-1903 French 9500 Th-Mo  
 1900-1945 Arabic 9455  
 (FEBA website)

**SLOVAKIA** *Radio Slovakia International* sked:

0100-0130 English 5930 7300 9440  
 0130-0200 Slovak 5930 7300 9440  
 0200-0230 French 5930 7300 9440  
 0700-0730 English 11990 15460 21705  
 0730-0800 Slovak 11990 15460 21705  
 0800-0830 German 5915 6055 7300  
 1400-1430 Russian 11990 13715 9440  
 1430-1500 German 6055 7345 9505  
 1600-1630 Russian 5915 9535 11990  
 1630-1730 Slovak 5915 6055 7345  
 1730-1800 English 5915 6055 7345  
 1800-1830 French 5915 6055 7345  
 1830-1900 Russian 5915 9485 11990  
 1900-1930 German 5915 6055 7345  
 1930-2000 English 5915 6055 7345  
 2000-2030 Slovak 5915 6055 7345  
 2030-2100 French 5915 6055 7345

(RSI website)

**SOUTH AFRICA** B98 schedule of *Channel Africa*:

0300-0325 English 9525  
 0300-0325 Swahili 9765  
 0330-0355 French 9525  
 0400-0430 English 5955  
 0430-0455 French 9525  
 0430-0455 Portuguese 3345 5955  
 0500-0530 English 15215  
 0530-0555 Portuguese 15215  
 0600-0630 English 15215  
 0630-0655 Portuguese 15215  
 1300-1455 English 11900 17895 21530 Sa/  
 Su  
 1500-1525 Swahili 15545  
 1500-1530 English 17870  
 1530-1555 French 17870  
 1600-1630 English 6000  
 1600-1630 Swahili 11900  
 1630-1655 French 11900  
 1630-1655 Portuguese 3345 6000  
 1700-1730 English 17870  
 1730-1755 Portuguese 17870  
 1800-1830 English 17870  
 1830-1855 French 17870

**Radio Sonder Grense** (SABC Domestic Service)

0500-1700 7185  
 1700-0500 3320  
 (15-Oct/Volk-GER/WWDXC TopNews/Bueschel-GER)

**Trans World Radio:**

0330-0400 Oromo 7215 We-Fr  
 0330-0400 Tigrinya 7215 Mo/Tu  
 0330-0430 Amharic 7215 Sa/Su  
 0600-0635 English 11735  
 1527-1542 Yao 7265

1542-1557 Sena 7265  
 1600-1630 KiRundi 9530  
 1630-1700 Borana 9530 Mo  
 1630-1700 Oromo 9530 Tu-Su  
 1630-1700 Tigrinya 11705  
 1640-1655 Somali 9650  
 1657-1712 Juba 9650 Th-Sa  
 1657-1712 Shuwa 9650 Mo-We  
 1657-1727 Arabic 9650 Su  
 1730-1800 Amharic 9530  
 1800-1827 Amharic 9530  
 1803-1833 Fulfulde 9510  
 1830-1900 Bambara 9680  
 1833-1848 Hausa 9510  
 1848-1903 Yoruba 9510  
 1900-1930 Baoule 9680  
 1903-1933 Kanuri 9510  
 1930-2000 French 9680  
 1933-2003 Nupe 9510  
 2000-2015 French 9680 Su  
 2003-2033 Twi 9510  
 2033-2048 Ewe 9510 Sa

**SPAIN** *Radio Exterior de Espana:*

0000-0100 Spanish 11815 Mo-Fr  
 0000-0100 Spanish 17845 Sa/Su  
 0000-0100 Spanish 6125 9540 9620 9745 11815  
 11945 11880  
 0000-0200 English 6055  
 0100-0200 Spanish 6125 9540 9620 11945  
 0100-0400 Spanish 3210 5970 5990 Tu-Sa  
 0100-0400 Spanish 5990 Su/Mo  
 0115-0145 Sefardi 11775 11795 Tu  
 0200-0500 Spanish 6125 9540 9620  
 0200-0500 Spanish 6055 Tu-Sa  
 0400-0500 Spanish 5970 Tu-Sa  
 0415-0445 Sefardi 9690 Tu  
 0500-0556 English 6055  
 0500-0700 Spanish 6000 9710 11890  
 0700-0800 Spanish 9710 12035 15215 15480  
 0800-0900 Spanish 12035 15215 15480  
 0900-1000 Spanish 12035 17755 21570 21610  
 0900-1100 Spanish 17755 Sa/Su  
 0900-1200 Spanish 9520 Su  
 1000-1100 Spanish 9620 12035 17755 21570  
 21610  
 1100-1200 Spanish 5970 17755 Sa/Su  
 1100-1200 Spanish 9620 9630 11815 12035  
 17755 21570 21610  
 1100-1400 Spanish 5970 Mo-Fr  
 1200-1300 Spanish 11910 12035 17755 21570  
 21610 21700  
 1200-1600 Spanish 9500 Mo-Sa  
 1200-1700 Spanish 5970 9500 17755 Su  
 1200-1700 Spanish 5970 17755 Sa  
 1300-1400 Spanish 11795 Sa/Su  
 1300-1400 Spanish 11795 11910 12035 17755  
 21570 21610 21700  
 1400-1700 Spanish 11795 12035 17755 21570  
 21610 21700  
 1400-1700 Spanish 11795 15125 Sa/Su  
 1600-1700 Spanish 15375 Mo-Sa

1700-1730	Russian	9500
1700-1800	Spanish	7275 11795 17715 21700
1700-1800	Spanish	9745 11795 15125 Sa/Su
1700-1900	Arabic	21610
1700-1900	English	15170 Mo-Fr
1700-1900	Spanish	17755 Sa
1700-2100	Spanish	9665 17755 Su
1700-2200	Spanish	9665 Sa
1730-1800	German	9590
1800-1900	French	9590
1800-1900	Spanish	7275 9745 11815 15125 17715
1800-2100	Spanish	9745 15125 17845 Sa/Su
1800-2400	Spanish	11815 Mo-Fr
1825-1855	Sefardi	6130 Mo
1900-2000	French	6045 Sa/Su
1900-2000	French	7170 9595 Mo-Fr
1900-2000	French	9595 Sa
1900-2200	Arabic	6045 7270
1900-2200	Spanish	7275 9630 9745 11815 15125
2000-2100	English	9595 9680 Mo-Fr
2100-2200	French	9595 Su
2100-2200	Spanish	9745 15125 Sa/Su
2200-2300	English	9595 Sa/Su
2200-2300	Spanish	6045 7270 7275 9630 9745 11815 11880
2200-2400	Spanish	9745 Sa/Su
2300-2400	French	6055
2300-2400	Spanish	6125 9540 9620 9745 11815 11880 11945

(Radio Incontro/Rev. of International Broadcasting/  
Hauser-OK)

**SRI LANKA** 6005 *SLBC*, \*0030-0052, English // 9730, 15425 and very unusual harmonic or spurious signal on 11852.6—no idea what is this—poor to weak with a lot of QRM (14-Oct/Timofeyev-RUS/DSWCI DX Window)

**SWAZILAND Trans World Radio:**

0300-0330	Ndebele	3200
0300-0330	Swahili	5965
0300-0345	Shona	3240
0330-0345	Swahili	5965 Sa
0342-0358	Lomwe	4775
0400-0430	Chewa	6040 Mo/We/Th/Sa/Su
0400-0430	German	3200
0400-0430	German	4775
0400-0430	Tumbuka	6040 Tu/Fr
0430-0500	Chewa	6040
0430-0600	English	3200
0430-0605	English	4775
0505-0605	English	4775 9500
0605-0705	English	4775 6100 9500
1400-1415	Urdu	15330
1435-1440	Portuguese	7315 Mo-Fr
1440-1510	French	7175
1440-1510	Portuguese	7315
1510-1525	Makua	7315
1510-1555	Malagache	7175
1525-1540	Lomwe	7315

1540-1555	Kimwani	7315 Sa/Su
1540-1555	Lomwe	7315 Mo-Th
1540-1555	Portuguese	7315 Fr
1540-1555	Tigrinya	9500
1600-1630	Chewa	6135 We-Mo
1600-1630	Shangaan	4760 Su
1600-1630	Tshwa	4760 Mo-Fr
1600-1630	Tumbuka	6135 Tu
1600-1700	Portuguese	4760 Sa
1600-1830	English	9500
1630-1645	Portuguese	4760 Mo-Th
1630-1645	Shangaan	4760 Fr/Su
1630-1658	Chewa	6135
1700-1800	Swahili	6135
1730-1745	English	3200 Mo-Th
1730-1745	Pedi	3200 Su
1730-1745	Sotho	3200 Fr
1730-1745	Tswana	3200 Sa
1745-2015	English	3200
1800-1830	Ndebele	3240
1800-1830	Swahili	6135
1830-1900	Shona	3240
1845-1900	Umbundu	6130
1900-1915	KiKongo	6130 We-Fr
1900-1915	Lunyaneka	6130 Sa
1900-1915	Ndau	3240
1900-1915	Portuguese	6130 Mo/Tu
1900-1930	Lingala	9525
1900-1930	Portuguese	6130 Su
1915-1930	Luchazi	6130 Sa
1915-1945	Portuguese	6130 Mo-Fr
1930-1945	Chokwe	6130 Sa/Su
1930-2000	French	9525
1945-2000	Kimbundu	6130
2000-2005	Portuguese	6130 Mo-Fr
2000-2015	French	9525 Sa/Su

(6-Oct/Schaay-HOL/BC-DX/Bueschel-GER)

**SWEDEN Radio Sweden** Stockholm B98, replaced English see to winter time:

1230	7280 9455 [?]
1430	15240 17870 21810
0230	7280 9455
0330	7115 9435

(15-Oct/Hauser/World of Radio)

**SWITZERLAND Swiss Radio International** Final B 98:

0030-0100	German	9885 SOT 9905 GUF
0100-0130	English	9885 SOT 9905 GUF
0130-0200	Spanish	9885 SOT 9905 GUF
0200-0230	French	9885 SOT 9905 GUF
0230-0300	Spanish	9885 SOT 9905 GUF
0300-0330	Italian	9885 SOT 9905 GUF
0330-0400	German	9885 SOT 9905 GUF
0400-0500	English	9885 SOT 9905 GUF
0500-0530	English	6165 JUL
0500-0530	French	9885 SOT
0530-0545	Italian	9885 SOT
0530-0600	French	6165 JUL
0600-0615	German	6165 JUL

0600-0700	French	9885 JUL 11860 JUL 13635 SOT
0615-0630	French	6165 JUL
0630-0700	English	6165 JUL
0700-0730	Italian	6165 JUL
0700-0730	Italian	9885 JUL 11860 JUL 13635 SOT
0730-0800	English	9885 JUL 11860 JUL 13635 SOT
0800-0815	German	9885 JUL 11860 JUL 13635 SOT
0830-0900	English	9885 GUF 13685 SOT
0900-0930	Italian	9885 GUF 13685 SOT
0930-1000	German	9885 GUF 13685 SOT
1000-1030	French	9885 GUF 13685 SOT
1100-1130	English	9535 JUL
1100-1200	English	9540 SNG 17815 SOT
1130-1200	German	9535 JUL
1200-1230	French	9535 JUL
1200-1230	German	9540 SNG 17815 SOT
1230-1300	French	9540 SNG 17815 SOT
1230-1300	Italian	9535 JUL
1300-1330	English	9535 JUL
1300-1330	Italian	9540 SNG 17815 SOT
1400-1500	English	9575 SNG 15185 SOT
1500-1530	German	9575 SNG 15185 SOT
1530-1600	French	9575 SNG 15185 SOT
1600-1615	English	9575 SNG 15185 SOT
1630-1700	Italian	6165 JUL 9620 JUL 15275 SOT
1700-1800	Arabic	6165 JUL 9620 JUL 15275 SOT
1800-1815	French	6165 JUL 9620 JUL 15275 SOT
1830-1900	German	6165 JUL
1830-1900	Italian	9620 SOT 9885 JUL 11910 JUL
1900-1930	Italian	6165 JUL
1900-2000	Arabic	9620 SOT 9885 JUL 11910 JUL
1930-2000	French	6165 JUL
2000-2030	English	6165 JUL
2000-2030	English	9620 SOT 9885 JUL 11910 JUL 13700 GUF
2030-2100	German	9620 SOT 9885 JUL 11910 JUL 13700 GUF
2100-2130	French	9620 SOT 9885 JUL 11910 JUL 13700 GUF
2200-2230	French	9885 SOT 11660 GUF
2230-2300	German	9885 SOT 11660 GUF
2300-2330	Italian	9885 SOT 11660 GUF
2330-0000	Spanish	9885 SOT 11660 GUF

(20-Oct/SWISSCOM/MIDXB/Brazhnikov-RUS)  
 3985 performed well for the last time (apart from the terrible, distorted feed from China). The pause between the penultimate and the final CRI Program around 2129 was filled by the ongoing SRI output (with conclusion of the French transmission). Beijing finished with some interval signal ringing at 2157, followed by an English ID "This is Swiss Radio International" as last words from Lenk.

After four minutes of silent carrier the bar in my radios LCD display caved at 22:00:58. That was it. What remains is some malicious joy: It will become a little bit more expensive now to heat the swimming pool at Lenk, as until now the cooling water from the transmitters was used for this purpose. By the way, I'm somewhat curious about the fate of the rig. (24-Oct/Ludwig-GER)

**SYRIA** For B98 period **Radio Damascus** Adra 500 kW 13605 is registered as follows:

1700-1800	nd, to zones 29,30
1800-2100	340 degr, to zones 4,8,37n,38nw
2200-2400	250 degr, to zones 13-15,37,38,46
0000-0100	312 degr, to zones 4,8-10,27,28

(20-Oct/PanView-BUL/BC-DX/Bueschel-GER)

**TAJIKISTAN** 4635 **Tajik Radio 1**, Dushanbe, 0100 with twangy string instrument IS twice, then "Inja Dushanbe" by man and then by woman, followed by choral anthem. Fair but quite readable. (21-Oct/Novello-NC) RealAudio sample at <http://itre.ncsu.edu/radio/samples/rdushanbe.rm>

**TANZANIA** 5985 **R. Tanzania**, 1900, fair signal with identification then news in vernacular. Have been looking for this one for some time...parallel of 5050 was audible at similar strength. (11-Oct/Ormandy/HCDX/DSWCI DX Window)

**THAILAND** **Radio Thailand**, Bangkok:

0000-0030	English	9680
0030-0100	English	13695
0100-0200	Thai	13695
0300-0330	English	15460
0330-0430	Thai	15460
0530-0600	English	15115
1100-1115	Vietnamese	7285
1115-1130	Khmer	7285
1130-1145	Lao	11805
1145-1200	Burmese	11805
1200-1215	Malaysian	11805
1215-1230	Indonesian	11805
1230-1300	English	9810
1300-1315	Japanese	7145
1315-1330	Mandarin	7145
1330-1400	Thai	7145
1400-1430	English	9530
1800-1900	Thai	11855
1900-2000	English	9535
2000-2015	German	9535
2015-2030	French	9535
2030-2045	English	9535
2045-2115	Thai	9535

(8-Oct/R. Thailand/BDXC Hotline/Nieuwenhuis-HOL)

**TURKEY** **Voice of Turkey** B98 schedule:

0000-0400	Turkish	5980 6120 7300 8445 9460 15105
0400-0500	English	6010 7240 21715
0400-0500	Turkish	5980 6120 7300 9445 9460

0500-0800	Turkish	9445 11605 11925 11955 17715 21500 21715
0800-1000	Turkish	9460 11925 11955 15350 17715 21715
0830-0930	Azerbaijani	11835 17755
0930-1030	Persian	11795 17870
1000-1100	Turkish	9460 11955 15350 21715
1000-1200	Arabic	15105 15245
1030-1100	Croatian	13770
1030-1130	Rumanian	9630
1100-1130	Serbian	13770
1100-1300	Turkish	9460 11955 15350 15615- Fri 21715
1130-1230	Greek	9630 11625
1200-1300	Chinese	15105
1230-1330	Albanian	11910
1230-1330	Bulgarian	7110
1300-1400	Urdu	17715
1300-1600	Turkish	9460 11955 13750 15350 15615-Fri
1330-1430	English	15295 17815
1400-1500	Persian	11940
1400-1500	Russian	15385
1430-1530	German	17870
1500-1600	Azerbaijani	5965
1500-1700	Arabic	6120 11790
1530-1630	Greek	6145
1600-1700	Kazakh	7295
1600-1700	Turkish	9460 11955 13750 15350
1630-1730	Hungarian	9655
1700-1730	Georgian	5960
1700-1800	Kyrgyz	6095
1700-2000	Turkish	5980 6120 7110 9460 9560
1730-1800	Macedonian	5970
1730-1800	Tatar	7270
1800-1900	Russian	6135
1800-1900	Uzbek	5955
1830-1930	German	6035 9635
1900-2000	Bosnian	5990
1900-2000	Turkmen	6060
1930-2030	English	9630 9655
2000-2200	Turkish	5980 6120 7110 7190 9460 9560
2030-2130	French	6135 7150 9590
2130-2230	English	9525
2200-2300	Turkish	5980 6120 7110 7190 9445 9460 9560 15105
2300-2400	English	7280 9655
2300-2400	Turkish	5980 6120 7300 9445 9460 15105

(21-Oct/Brazhnikov-RUS/WWDXC TopNews/Bueschel-GER)

**TURKMENISTAN** 5015 R. *Asgabat*, 0235 Emotive, wailing M vocal, accompanied by acoustic band of pipes and stringed instruments. Didn't stick around for ID, but distinctive sound gives this one away. (18-Oct/Novello-NC)

**UKRAINE** The mystery station I reported on 6690 is *Radio Promyn* (Progr 2 of the National Radio Company), listed in the WRTH only on MW. Thanks

to Feodor Brazhnikov for his help to identify the stn. (26-Oct/Volk-GER/BC-DX/Bueschel-GER)

9620 *Kazakh Radio* via Kiyev, 1205, nice signal with multiple selections of acoustic guitar strumming and solo M vocals, // 11720. Easy to hear at Cape Hatteras, but rare at home. (19-Oct/Novello-NC)

**UNITED KINGDOM** [Canada] *BBC WS* via Sackville, valid March 1999:

0000-0500	6175
1100-1200	5965
1200-1400	5965 9515
1400-1500	9515 15220
1600-1615	9515
1615-1700	9515 Sa
1700-1830	17840
1830-1900	17840 Mo-Sa
2000-2200	11755
2200-2400	6175 9590

(1-Oct/RCL/Hauser-OK)

*Merlin Network One*—Frequency Schedule—25/10/98 to 27/03/99:

0000-0300	3985 9560
0300-0600	3985 9895
0600-0700	6110 13720
0700-0800	6110 9915 13720 17630 21550
0800-0900	9915 13660 13720 17630 21550
0900-1200	9915 13660 17630 21550
1200-1400	9915 13645 17630 21550
1400-1600	9915 13680 17630 21550
1600-1700	6185 21550
1700-1800	3965 6185 21550
1800-1900	3965 6125 21550
1900-2000	6125 9690
2000-2200	11755 11985
2200-2300	7120 7170 9835
2300-2400	3985 7170 9835

(23-Oct/Wiltsher/MNO)

**UNITED STATES KNLS**, Anchor Point; schedule valid until 28th March 1999:

0800-0900	English	7365
0900-1000	Russian	7365
1000-1100	Mandarin	7365
1100-1200	Russian	6150
1200-1300	Mandarin	7365
1300-1400	English	7365
1400-1700	Mandarin	7355
1700-1800	Russian	7355

(12-Oct/KNLS/BDXC Hotline/Nieuwenhuis-HOL)

*WRNO* is probably the most incompetent operation on SW. On Sat night, Oct 3, noticed a distorted mess on 7355 0000-0300 Oct 4; two progs mixed together at the same time, one of them a ball game. This happens quite often, especially on weekends. The operator on duty must have been drunk or asleep. I wish the FCC would crack down on *WRNO* and put a stop to this nonsense. (14-Oct/Behr-ONT/Rev. of International Broadcasting/Hauser-OK)

Reception reports for the **AFRTS** broadcasts can be sent to AFRTS, Broadcast Center, Affiliate Relations Service, 1363 Z St., Building 2730, March AFB, CA 92518-2017, U.S.A. or US Naval Communications Station, MARS, Key West Naval Base, Key West, FL 33040, U.S.A. (10-Oct/Harms/SW Bulletin/Magrone-ITL/Play-DX/Bennett/WDXC Contact/Hauser/Review of International Broadcasting) 12689.5 and 4278.5 USB utilize 1 kW on each freq. Military transmitters, model URA119, are used. The programming is in support of Operation UNITAS and will cease on/about 15 Nov 1998. (10-Oct/O'Driscoll/Review of International Broadcasting/Hauser-OK)

**KWHR Hawaii**

0000-0400 17510  
 0400-0700 17780  
 0700-0800 11565 17780  
 0800-1500 9930 11565  
 1500-1600 9930 11565  
 1600-2000 9930  
 2000-2200 15405  
 2200-2400 17510

**WBCQ Kennebunk, ME**

2000-1000 7415

**WHRA Greenbush, ME**

0000-0300 7395  
 0300-0500 7465  
 0500-0800 7435  
 1800-2000 17655  
 2000-2200 15460  
 2200-2400 13760

**WHRI Noblesville, IN**

0000-0400 5745 5755 7315  
 0400-1000 5755 7315  
 1000-1300 6040 9495  
 1300-1500 6040 15105  
 1500-1800 13760 15105  
 1800-2100 9495 13760  
 2100-2200 5755 9495 13760  
 2200-2400 5755 9495

**WINB Red Lion, PA**

0000-0800 11950  
 1900-2400 13790

**WRNO New Orleans, LA**

0400-1600 7395  
 1600-2300 15420  
 2300-0400 7355

**WSHB Cypress Creek, SC**

0000-0100 7535  
 0100-0200 7535  
 0200-0400 5850 7535  
 1000-1300 6095  
 2200-2400 7510

**KTBN Salt Lake City, UT**

0000-1600 7510  
 1600-2400 15590

**KVOH Rancho Simi, CA**

0000-2400 9975  
 1400-0300 17775

(George Jacobs & Associates, Inc.)

**High Adventure Ministries**

1325-1529 15715  
 1900-2059 5975  
 2100-2259 6000-Jülich

(Bob German-USA, Oct 19)

**World Harvest Radio WHRI / KWHR / WHRA**  
 Frequency Schedule, eff Oct 25, 1998 to Mar 28, 1999:

**WHRI Angel 1**

0000-1000 7315  
 1000-1300 9495  
 1300-1800 15105  
 1800-0000 9495

**WHRI Angel 2**

0000-0400 5745 Tu-Su  
 0400-1000 5755  
 1000-1500 6040  
 1500-2100 13760  
 2100-1000 5755 Su  
 2100-2400 5755

**KWHR Angel 3**

0400-0800 17780  
 0800-2000 9930  
 2000-2200 15405  
 2200-0400 17510

**KWHR Angel 4**

0700-1600 11565

**WHRA Angel 5**

0000-0300 7395  
 0300-0500 7465  
 0500-0800 7435  
 1800-2000 17655  
 2000-2200 15460  
 2200-2400 13760

(14-Oct/Brashier-WHRI/WWDXC TopNews/BueschelGER)

**URUGUAY** A Brief Summary of Current Uruguay Activity on SW:

**ACTIVE STATIONS**

6125 **CXA4 SODRE**, Montevideo 1000-1245 // CX6 (MW 650) Class mx program. 1245-0100 // CX38 (MW1290) Educational programs, specifically IDs as "Radio Educativa SODRE" in the period 1700-2100. 0100-0300 // CX6 (MW 650) Class mx program. QSL info: Send your rpts to "Radioactividades," c/o Sr Luis "Lula" Ignacio Moreira, P.O.Box 7011, 11000 Montevideo. He is co-producer of this program on mass media and DX-ing, that has been bcst for ten years over CX26, and which is the descendant of the old (and defunct) "DX Club del Uruguay." You can contact them also via their website

at <www.chasque.apc.org/radioact> and E-mail <at radioact@chasque.apc.org>

6140 **CXA20 R. Montecarlo**, Montevideo 1030-1530 //CX20(MW930). 1405-1425 carries "Aqui Roma," produced by "RAI (Radio Televisione Italiana), Representacion para las Americas," a trilingual Italian nx program (Italian, Spanish, Portuguese), produced in the office of RAI in Montevideo (RAI's ADDR: Av. 18 de Julio 1044, 11100 Montevideo, URUGUAY). A 2KW xmtr is used, the same for all Montecarlo/Oriental SW channels. Inverted-V ant., NE. QSL info: The station is confirming with QSL-It v/s: Alexi Haysaniuk, Gerente Tecnico, who is also a ham. In good relations with him, I personally have been helping foreign DXers, intermediating with tapes and rcprn rpts that are sent to my QTH and which I forward to Mr. Haisaniuk. They have E-mail but I would suggest to forward rpts via snail-mail.

9595 **CXA72 R. Montecarlo**, Montevideo, 2330-0300(of the following day). //930, but has occasionally been hrd relaying certain programs of CX12 R. Oriental MW730 (specially sports) in the past. Carries "Aqui Roma" 0205-0222. Dipole ant, NE. QSL info see above.

9650 **CXA42 Emisora Ciudad de Montevideo**, Montevideo 1300-2130 //CX42 (MW 1370). Occasionally extends s/off when special sport broadcasts and during summer Carnival in Feb, first of Mar every year, when bcsts are made of the "Concurso de Agrupaciones Carnavalescas" from the "Teatro de Verano del Parque Rodo," a classical carnival competition. PWR:1.5 KW. QSL info:f/d QSL-cd issued, no rp required. v/s: Aramazd Yizmeyian, owner.

11735 **CXA7 R. Oriental**, Montevideo 1630-2330 //CX12 (MW 730). Sked may be extended when special sports bcsts. Carries "Aqui Roma" 2205-2220. Xmtr, same as 6140/9595. Ant: Dipole oriented to Europe. QSL-info, see 6140

#### INACTIVE STATIONS

6045 **CXA61, R. Sarandi Sport**, Montevideo (ex-R. Sport or Libertad Sport, ex-R. Integracion Americana, with xter in Rivera during past years). SW channel for MW 890. Owner has declared there is no interest in using SW for the moment, but has not returned license.

6075 **CXA3 LV de Artigas**, Artigas, SW channel for CX118 (MW 1180). Lack of 4-400 tubes. Reportedly plans to resume, but date unknown. See Future Plans.

9620 **CXA6 SODRE**, Montevideo. //CX26 (MW 1050), faulty transformer. Resuming delayed because almost no funds are devoted to SODRE's SW activity. QSL info see 6125, above.

11835 **CXA19 R. El Espectador**, Montevideo, in a recent QSL-It to a Canadian DXer for a 1993 rpt I have helped him to get (and which tok a month of efforts), current Gerente de Programacion: Sr. Oscar Pessano states that "SW xmsns are "suspended"

(note that he doesn't write "dropped") in favor of all-day RealAudio bcsts over their website at www.espectador.com The stn is having its 75 anniversary next month. I presented him an idea of making special "a la St. Helena" bcsts using this inactive xter (if something remains of it), during the anniversary, but no answer was given.

15275 **SODRE**, inactive for a long period.

#### FUTURE PLANS

6035 **CXA30 R. Nacional**, Montevideo -INACTIVE- (used to //CX30 MW 1130). Has expectations to return to SW, but their economical situation is not easy and the stn plans are slow. Plans are to adapt to SW use their current MW xter (of Czech origin). But one of the new MW xters was broken, and this is delaying the process.

6055 **CXA?** To be assigned soon. Usually well informed source indicated that MW stn CW148 **R. Universo**, Castillos, Depto. de Rocha has applied for this channel. Awaiting official granting.

6075 **CXA3 LV de Artigas**, Artigas -INACTIVE- some reports indicate that they plan to resume in a future but no date given. See below.

6155 **CXA?** To be assigned soon. Applicants for this channel were **CW155, R. Sarandi del Yi**, Sarandi del Yi, Depto. de Durazno, also **CW155 R. Universo**, Castillos, (as 6055) and two other persons located in Montevideo (intermediates?). Awaiting official granting.

9620 **SODRE**, Montevideo -INACTIVE- if technical problem, as read above, is solved would be on the air again relaying CX26 MW 1050, 1000-0300. Budget to SODRE's SWs is almost nil. The MW stn, however has continued to ID mentioning also this fqcy.

31mb **LV de Artigas** has revealed interest in opening a fq in this band, but no more info available.

15230 **CXA142 Emisora Ciudad de Montevideo**, still no date for starting here. Station seemingly has not hurry and State doesn't force them. (Nigro-URU)

**UZBEKISTAN Radio Uzbekistan** 1st home sce was observed on 8082, //4850. (4-Oct/Spremborg-GER/BC-DX/Bueschel-GER)

**VATICAN CITY STATE Vatican Radio**, thru March 1999:

0330-0345	Albanian	4005
0345-0400	Slovenian	4005
0400-0415	Croatian	4005
0415-0430	Czech	4005 5880
0430-0445	Slovak	4005 5880
0445-0500	Hungarian	4005 5880
0500-0520	Polish	4005 5880 7250
0520-0540	German	4005 5880 7250
0540-0600	French	4005 5880 7250
0600-0620	English	4005 5880 7250
0620-0630	Italian	4005 5880 7250

0630-0700	Mass Latin	4005 5880 6185 7250 9645 11740 15595
0700	Ital/FF/EE	4005 5880 6185 7250 9645 11740 15595
0710	Mass-Romanian	7250 9645 Su
0745	Arabic	5880 7250 9645 15595 Mo-Fr
0830	Mass-Italian	7250 Su
0930	Mass-Oriental	11740 15595 17550 Su
1000	Papal Audience	5880 We
1100	Angelus	5880 9645 11740 15595 21850 Su
1100	Italian French English	5880 9645 11740 15595 21850 Mo-Fr
1110	Italian	5880 Su
1130	French	11740 Sa
1150	Spanish	11740 Sa
1300	Italian	5880 9645 11740 15595 21850
1400	SS/Port	9645 11740
1500	GG/Polish	5880 7250 9645
1530	Italian	5880 7250 9645 Fr
1530	Music	5880 7250 9645 Fr
1600	Vespers	5880 7250 9645
1630	Italian	5880 7250 9645
1700	FF/English	4005 5880 7250 9645 15595
1730-1740	Albanian	4005 5880 7250
1740-1800	Slovenian	4005 5880 7250
1800-1810	Croatian	4005 5880 7250
1810-1830	Hungarian	4005 5880 7250
1830-1840	Czech	4005 5880 7250
1840-1900	Slovak	4005 5880 7250
1900-1920	Polish	4005 5880 7250
1920-1940	German	4005 5880 7250
1940-2000	Rosary	4005 5880 7250 9645 11625
2000-2020	Italian	4005 5880 7250 9645 11625
2020	Esperanto	4005 5880 Su
2030-2050	French	4005 5880 7250
2050-2110	English	4005 5880 7250
2110-2130	Spanish	4005 5880 7250
2130-2140	Portuguese	4005 5880 7250
2140-2200	Arabic	4005 5880 7250
2200-2310	Italian	4005 5880
2310	Music	4005 5880

(10-Oct/Vatican Radio/BDXC Hotline/Nieuwenhuis-HOL)

**VIETNAM** *Voice of Vietnam* is absent from 10060 at present. Not clear if this is a frequency change or transmitter failure (25-Oct/van den Boogert/DSWCI DX Window/Petersen-DEN)

4796v *R. Son La* (t), 1347-1358\*, in local language, local singing, short final ann—unusual strong signal, but with severe QRM from a utility

transmitter (13-Oct/Timofeyev-RUS/DSWCI DX Window)

4959.7 *V. of Vietnam*, Hanoi 2205 Woman in Vietnamese giving the 1-2-3-4 count for morning calisthenics; somewhat stronger than // 5924.6. Much better reception than usual. This one seems to alternate between 4959.7 and 4960 these days. (7-Oct/Hill-MA)

6494v *R. Cao Bang*, 1236-1359\*, in local language with nx at 1300-1305, also a lot of local songs - poor to fair with an almost good signal at approx. 1250-1320 (time of local sunset, I suppose...), very poor modulation. (13-Oct/Timofeyev-RUS/DSWCI DX Window)

7154.4 *RTV Bac Thai*, 1314-till approx.1400, in local language, local music and singing; weak. (13-Oct/Timofeyev-RUS/DSWCI DX Window)

Updated summary of Domestic Services in Vietnam, for those stations known to be operational, based on actual recent monitoring in South Asia by Bob Padula. Details of some local morning services are not known. Frequencies and broadcast times are subject to variation, for Lao Cai, Yen Bai and Cao Bang.

4681 *Lao Cai Broadcasting Station* 1000-1300 Vn Ve

4740 *Son La Broadcasting Station*, Tuyen Quang, 0300-1400 Vn

4960 *Voice of Vietnam* (2) Hanoi 2200-1600 Vn

5030 *Voice of Vietnam* (Hmong Service) Hanoi 1200-1600 Hm

5597 *Lao Cai Broadcasting Station* 1000-1330 Vn Ve

5925 *Voice of Vietnam* (1) Hanoi 2200-1600 Vn

6165 *Voice of Vietnam* (Hmong Service) Hanoi 1200-1600 Hm

6386 *Radio Yen Bai* 1000-1300 Vn drift ex 6542

6516 *Radio Cao Bang* 0300-0500 Vn, severe drift

6516 *Radio Cao Bang*, 0230-1400 Vn severe drift

6696 *Lao Cai Broadcasting Station* 2230-2300 Vn Ve

6696 *Lao Cai Broadcasting Station* 0500-0600 Vn Ve

7153 *Radio Bac Thai*, Tainquyen 0300-0600 Vn relays Hanoi 0500-0530

7153 *Radio Bac Thai*, Tainquyen 0900-1420 Vn relays Hanoi 1100-1130

10060 *Voice of Vietnam* (1) Hanoi 2200-1600 Vn [see above-AQ]

12035 *Voice of Vietnam* (2) 2200-1600 Vn

(Padula/EDXP)

**YEMEN** 5950 *R. Yemen*, Sana, \*0300-0330, one more reactivation after some months of silence, 1 time signal, opening ann, ID, long NA, Quran reading and singing, //9780.3 (\*0255 witrn unusual "bird trill" IS) (14-Oct/Timofeyev-RUS/DSWCI DX Window)

SA

# Pirate Radio Report

Chris Lobdell

P.O. Box 146

Stoneham, MA 02180-0146

Internet: clobdell@medicone.net

Hi, and welcome to the November issue of **THE PIRATE RADIO REPORT**.

The bands have been fairly active over the past month. Besides the usual 6955 kHz frequency, *Radio Metallica Worldwide* has been using the former pirate frequency of 7415 [made popular in the 92-95 Period] during the afternoons before WBCQ signs on the air. Maybe other pirates will try it too, so keep an ear tuned there as well.

This month, we have information on a pirate which gains its name and programming from a current AM station of the same name, **WRKO SHORTWAVE!**

## Pirate Profile: WRKO Shortwave!

**WRKO SHORTWAVE** made its first broadcast on the July 4<sup>th</sup> weekend of 1997, simulcasting WRKO 680 kHz, a Boston AM outlet. This former Top 40 outlet, then known as "The Big 68" has been all talk since the early eighties. For the 4<sup>th</sup> of July weekend, they went back to rock, playing oldies. In August of 1997, we rebroadcast an interview with Allan Weiner about his ill fated radio ship Electra.

Future shows from WRKO SHORTWAVE will feature old airchecks and actual hit parade countdown shows from the late '60s and early '70s, when The Big 68 ruled the Boston airwaves.

For equipment we use both a 100 watt AM and SSB transmitter. Audio gear includes various reel to reel and cassette decks. Correct reception reports will be QSLed. Address them to WRKO SHORTWAVE, Box 109, Blue Ridge Summit, PA 17214 or by email: [Wrkosw@hotmail.com](mailto:Wrkosw@hotmail.com). Although not connected to our pirate station, check out the web site [www.big68.org](http://www.big68.org) for info about WRKO's Top 40 History.

[Many thanks to Dale Dorman for this info! If you want your pirate station profiled, send in the info and we'll print it here.

## Loggings, yeah, we've got those!

**Polka SW**, a station absent from the pirate airwaves was noted on September 12<sup>th</sup> at 0236 with Polka mx, beer drinking and the farm report. [Dave Krause-OH & Bill Wilkins-MO]

**Radio Eclipse**, hosted by Steve Mann was heard on September 12<sup>th</sup> at 2340 UTC with comedy skits and talk about Clinton. Rap music was played. [Dave Krause-OH]

**Radio Metallica Worldwide**, as we mentioned earlier has been using 7415 kHz. Bill Finn heard them there on October 4<sup>th</sup> at 2048 UTC sign on talking about the Clinton sex scandal and poking fun at WBCQ. [Finn-PA]

**Scream Of The Butterfly**, was heard on October 3<sup>rd</sup> at 2321 UTC playing music by The Doors and others. [Bill Finn-PA]

The **Voice Of The Pig's Ear** has been one of the most active pirates over the last month. They were noted in PA at 0043 UTC on 6955 kHz USB on October 10<sup>th</sup>. [Kohlbrenner-PA]

The Europirate **SWRS/SHORTWAVE RELAY SERVICE** has been heard by many, including Brian Alexander in PA. He heard them on September 12<sup>th</sup> on 11470 kHz USB at 2145 past 2300 UTC. [Alexander-PA]

Don't forget to report those Halloween logs to us next month!

Happy Pirate DX!

Chris



# QSL Report

Sam Barto  
47 Prospect Place  
Bristol, CT 06010

## Certificado de Sintonia

Radiodifusora: Radio Ham, TGMM  
Transmitiendo desde: Cabrian, Dept. Quetzaltenango  
Frecuencia de: 4825 khz/60:30 metros GUATEMALA  
Potencia: 500 vatios  
Horas, fecha: 06:07 a 07:07 horas local; 15 de Enero de 1994



selo oficial

Hemos comprobados sus detalles de recepcion, y confirmamos la emisora sintonizada esta nuestra.

*Sam Barto*  
toma

**ANTARCTICA (Argentina)**  
**LRA36 Radio Nacional Sao Gabriel**  
15476 f/d cd. w/ decal and business cd. in 273 ds. for a SP rpt. v/s H. Casela. (Constanti-MO).

**ANTIGUA: Deutsche Welle** 17810 p/d cd. in 3 mo. w/ sked. (Barto-CT).

**ASCENSION ISLAND:**  
\* **Radio Telefis Eire** 17885 via **English Bay** f/d "Landscape" cd. in 13 ds. (Humenyk-ONT).

**BELGIUM: Radio Vlaan-**

**deren International** 15545 f/d "Cartoon" cd. in 19 ds. (Name?)

**BENIN: Voice of the Revolution** 4870 p/d "Map" cd. in 162 ds. for a FR rpt., and \$1.00. (Raymond-NH). **Radiodiffusion du Benin** 4870 via **Cotonou** f/d cd. in 3 mo. for a FR rpt. (Barto). **Radiodiffusion et Television du Benin** 5025 via **Parakou** f/d cd. in 3 mo. for a FR rpt. of a 95 reception. (Barto-CT).

**BRASIL: Radio Cultura** 17815 p/d ltr. in 38 ds. for a PT rpt., taped rpt., and \$1.00. v/s Valvenio Martins, Coordinador de Producao. (Stephens-AL). **Radio Clube Paranaense** 6040 p/d ltr. in 42 ds. for a PT rpt. and \$1.00. v/s Vicente Miskosz, Superintendente. (Stephens) **Radio Record** 9505 n/d "Logo" cd. in 45 ds. for a PT rpt., taped report and \$1.00. v/s Mario Luiz Catto, Diretor Geral. (Stephens-AL). **Radio Difusora Do Amazonas** 4805 n/d "3D Manaus Opera House" cd. in 39 ds. after 2nd rpt. w/ tape and \$1.00. v/s Joaquim Marinho. (Stephens-AL).

**CANADA: CHNX** 6130 f/d form ltr. on Maritime Broadcasting System letterhead in 182 ds. for 2 IRCs. v/s Wayne S. Harvey, Chief Engineer. 50 watts. Also rcvd. sticker. (Wilkins-MO). f/d ltr. in 65 ds. w/ sticker. (Name?) **Deutsche Welle** 5960 f/d "Cologne" cd. in 212 ds. for 1 IRC. v/s B. Klaumann, Transmission Management. (Brouillette-IL). **Radio Japan** 5960 f/d "Drying Octopuses" cd. in 27 ds. w/ sked. v/s Y. Fushimi. (Humenyk-ONT).

**CAMBODIA: National Radio of Cambodia** 11940 p/d ltr. w/ 2 skeds and 3 stickers in 67 ds. after a f/up rpt. and \$1.00. v/s Kem Yan, Director of International Relations. (Stephens-AL).

**CHILE: Voz Cristiana** 21500 f/d cd. \* in 17 ds. for a taped rpt. sent to the FL address. (Stephens-AL).



# WORLD HARVEST RADIO

WHRA

Carl Mann



Test QSL

LESTER BROADCASTING

**CHINA, PEOPLES REP. OF:** China Radio International 9870 and 9440 via Kunming f/d "Hong Kong" cd. in 9 wks. (Barto-CT). 6550 via Beijing f/d cd in 2 1/2 mo. (Barto). 11755, 9890 and 9785 f/d "Tiger" cd in 3 mo. w/ sticker. (Barto). Chinese Peoples Broadcasting Station 9845, 9800, 7504, 6750, 7935, 9080, 9290 and 9340 p/d "Hong Kong" cd. in 7 wks. (Barto-CT).

**COLOMBIA:** Armonias del Caqueta \* 4915 f/d "Logo" cd. w/ a separate "Thank you for Listening" cd. in 220 ds.

for a SP rpt. and \$1.00. v/s P. Alvaro Serna A., Director. (Stephens)

**COSTA RICA:** Radio Exterior de Espana 5970 and 11815 p/d ltr. in 6 wks. w/ sticker. (Barto). 3210, 5990 and 5970 p/d ltr. in 5 wks. (Barto-CT) 15125, 11815 and 9745 p/d ltr. in 6 wks. v/s Pilar Salvador. (Barto).

**CUBA:** Radio Habana Cuba 9550 f/d "Logo" cd. in 164 ds. (Humenyk). 9820 f/d "Logo" cd. in 113 ds. v/s Lourdes Lopez. (Name?)

**CYPRUS:** BHC 21470 f/d ltr. from Merlin Communications in 2 wks. for 2 IRCs. v/s Hild Myklebust, Team assistant Scheduling and Frequency Management. (Wilkins-MO).

## DOMINICAN REP.:

\* Radio Nor-te "La N-103" 4800 f/d "Logo" cd. w/ colorful station promo cd., friendly ltr. and 2 DR coins in 39 ds. for a SP rpt. and

**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.



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.



\$1.00. v/s Antonio Perez, Empresario. (Stephens)...Great QSL!...Sam. Radio Cristal Internacional 5013 f/d "Logo/Map" cd. in 177 ds. for a SP rpt. and \$1.00. v/s Margarita Reyes. The station requests photos of their listeners for their album. (Brouillette-IL).

**ECUADOR:** HCJB 21455 f/d cd. in 85 ds. for an E-mail rpr. (Neal-TX).

**EGYPT:** Radio Cairo 9475 n/d cd. in 170 ds. w/ schedule, postcards and tourist info. (Name?)

**ENGLAND:** Merlin Communications 9525 n/d "First Anniversary" cd. in 42 ds. for 1 IRC. (Stephens-AL). Radio Caroline Communications 9525 via Merlin Communications f/d 5x7 orange cd. w/ sticker and brochures in 23 ds. for 1 IRC. v/s John Knight. (Stephens-AL).

**ERITREA:** Voice of the Broad Masses of Eritrea 7085 f/d cd. in 7 wks after a f/up rpt w/ \$1.00. The en-

RADIO CAROLINE SALES  
148 GRANGE ROAD  
RANSGATE  
KENT  
CT11 9PR

### RECEPTION VERIFICATION

DEAR Carl,

I CAN VERIFY THAT THE RECEPTION REPORT YOU SENT TO RADIO CAROLINE ON 27/7/98 IS CORRECT. THANK YOU FOR YOUR INTEREST IN THE WORLD'S MOST FAMOUS RADIO STATION.

BEST WISHES

*John Knight*

JOHN KNIGHT, RADIO CAROLINE.

## RADIO CAROLINE

Reception Verification  
July 27<sup>th</sup> 1998.

### SHORT WAVE

15.200 kHz POWER 500  
16.57 to 18.01 UTC

Carl Mann



**NEVER FORGET**  
RADIO WASN'T RADIO BEFORE  
**CAROLINE**



1969 - 10 DE OCTUBRE - 1994

**LT 24**  
RADIO SAN NICOLAS  
**AM 1430**

SAN NICOLAS

velope was addressed as follows: Mehret-  
eah Teafagiorgis, Box 243, Asmara, Erit-  
rea. (Maroti-NY).

**EUROPEAN RUSSIA: Deutsche Welle** 15540 via  
**Moscow** f/d cd. in 56 ds. (Humenyk-ONT).

**FINLAND: Radio Finland - YLE** 11900 f/d  
"Tovers" cd. in 18 ds. for 1 IRC. (Bro-  
uilliette-IL).

**FRANCE: Radio France International** 11670  
via **Issoudun** f/d "Toucan - Antenna at  
Montsinery" cd. in 160 ds. w/ schedule.  
(Humenyk-ONT).

**FRENCH GUIANA: Swiss Radio International**  
9885 via **Montsinery** f/d cd. in GM in 7  
wks. (Barto-CT).

**GABON: China Radio International** 9730 via  
**Moyabi** f/d "Huangguoshu Waterfalls at  
Guizhou" cd. w/ paper cut and schedule  
in 9 wks. (Barto).

**GEORGIA REPUBLIC: TV - Radio Tbilisi** 11805  
f/d "Transmitter Tower" cd. w/ postcard  
and schedule in 52 ds. after 3 f/up rptcs  
for \$1.00. The f/up was sent

via registered mail. v/s Helen Aphhadze, Editor. (Ste-  
phens). **Radio MII \* XEOI** Apartado Postal 21-1000  
**Radioostantsiya Gruziya** 6230 f/d itr. w/ sked. 04021 México, D.F.

MEXICO

**GERMANY (East): Deutsche Welle** 9765 via **Nauen** p/d cd. in  
2 mo. (Barto).

**GERMANY (West): Swiss Radio International** 9840 and

11725 via **Julich** f/d cd. in GM in 7 wks.

(Barto). **Deutsche Welle** 11785 via **Wert-**

**achtal** f/d cd. in 2 mo. (Barto). 17780

f/d cd. in 7 wks. (Barto). 11795, 6075

and 3995 p/d cd. in 3 mo. (Barto). 6040

f/d cd. in 130 ds. (Clapper-NY). **Radio**

**Vilnius** 5905 and 5880 via **Julich** "Land

of Amber" cd. in 2 mo. (Barto). 9855 f/d

blue "Logo" cd. in 42 ds. (Humenyk). **Mid-**

**west Radio Ireland** 5905 via **Julich** f/d

"Mountain Lake" cd. w/ info. sheet in 60

ds. for 1 IRC. v/s Michael Commins and

Gerard Delany. (Stephens-AL).

**GUATEMALA: Radio Maya de Barillas TGBA** 2360

f/d cd. w/ pennant, info. itr. and a

color photo of the station building in 175 ds. after

3 f/up rptcs. in SP. I enclosed a taped rpt. and \$1.00.

v/s Jose Castaneda, Gerente. (Stephens-AL).

**ICELAND: INBS** 13865 f/d "Reykjavik f/d cd. in 1 mo. (Barto). 11402 and

13860 f/d cd. in 5 wks. (Barto).

**INDIA: All India Radio** 10330 via **Bombay** f/d cd. w/ site in 286 ds. for

a rpt. to Delhi. v/s A.K. Bhatnagar, Director

Estimado *Jeff*

Por medio de la presente, acusamos recibo de  
su Informe de recepción correcta del día  
14/05/98, con un valor SINPO de  
.....; correspondiente a  
nuestra emisión de las 6:25 a las 10:15  
horas UTC, en la frecuencia de los 820 kHz,  
banda de 49 m. 6010

Recibiremos con gran interés y agrado nuevos  
informes de recepción y comentarios sobre  
nuestras emisiones, que Ud. amablemente nos  
haga llegar.

*Radio Mil*

**ICELAND: INBS** 13865 f/d "Reykjavik f/d cd. in 1 mo. (Barto). 11402 and

13860 f/d cd. in 5 wks. (Barto).

**INDIA: All India Radio** 10330 via **Bombay** f/d cd. w/ site in 286 ds. for

a rpt. to Delhi. v/s A.K. Bhatnagar, Director

of Frequency Assignments. (Stephens-AL).

**JAPAN: Radio Japan** 17810

f/d "North Star and

Mtn. Fuji" cd. in 22

ds. w/ sticker, post-

card and schedule.

(Humenyk-ONT).

**JAVA: RRI Jakarta** 9680

f/d cd. in 45 ds.

after 4 f/up rptcs.,

taped rpt. and \$1.00

v/s Drs. Syamsul Mu-

in Harahap, Station

Manager. (Stephens).

**KALININGRAD: Radio Ned-**

**erlands** 5835 f/d cd.

w/ site in 10 ds.

(Maroti-NY).

We thank you for your reception report  
and are pleased to confirm that you have  
heard our station on 29.05.98  
at 19.55-20.10 GMT  
on 11402 kHz



**A** PRIORITAIRE  
PAR AVION

Sincerely yours

*Rikistaru p.d*

*Dr. Jeff Molaude*

*6808 Stora Way*

*BLK GROVE, CA 94758*

*U.S.A.*

**RNV** CLASSIC NATIONAL  
BROADCASTING SERVICE  
CONSULATED ESTABLISHED 1950

QSL



**TRANS WORLD RADIO**  
*Bonaire, Netherlands Antilles*

**KOREA, PEOPLES DEMOCRATIC REPUBLIC:**

Radio Pyongyang 13760.2, 11700.1 and 9345 f/d "Mountain Scenery" cd. in 3 mo. w/ pennant. (Barto). **KCBS** 2350 and 2850 p/d cd. in 3 mo. (Barto-CT).

**KOREA, REPUBLIC OF: Radio Korea International** 15575 via Kimie f/d "The Iron Ring Door Handle" cd. in 32 ds. w/ rpt. form, schedule and booklet. (Humenyk-ONT).

**MALAGASY REPUBLIC: Adventist World Radio** 3215 f/d cd. stamped "WWCR Silent Period" w/ sticker, QSL stamp, calendar, schedule and religious info. in 72 ds. v/s E. Gysin-Ruif, Listener Mail Department. (Stephens-AL).

**MOLDOVA: Voice of Russia** 7125 via Chisinau p/d cd. w/o site and a friendly thank you ltr w/ schedule in 62 ds. v/s Mrs. Tanya Stukova, VOR World Service Letters Department. (Stephens-AL).

**NAMIBIA: NBC** 3290 via Hoffung f/d cd. w/ ltr. and schedule after a f/up rpt. in 1 mo. (Constanti-MO).

**NEW ZEALAND: Radio New Zealand International** 17675 f/d "Logo" cd. in 11 ds. w/ schedule and sticker for 3 IRCs. (Brouillette-IL).

**NICARAGUA: Radio Miskut** 5770 f/d ltr. in 135 ds. after a f/up rpt. in SP and a taped rpt. Also sent the station \$1.00. v/s Evaristo Mercado Perez, Director. (Stephens-AL).

**NORWAY: Radio Denmark** 9590, 13800, 17640 and 18950 p/d "Logo" cd. in 6 wks. (Harto). 15705, 15735, 18950 and 7485 p/d cd. in 5 wks. (Harto). 9935, 11640, 11735 and 13805 p/d cd. w/ sticker in 2 mo. (Barto). 15220 and 7485 p/d "Logo" cd. w/ stickers and schedule in 2 1/2 mo. (Barto). 7180, 13800 and 15640 same in 6 wks. v/s Kate Sand. (Barto). 15640, 15650, 9590 and 17535 p/d "Logo" cd. in 6 wks. w/ sticker. (Barto-CT).

**NORWAY: Radio Denmark** 9590, 13800, 17640 and 18950 p/d "Logo" cd. in 6 wks. (Harto). 15705, 15735, 18950 and 7485 p/d cd. in 5 wks. (Harto). 9935, 11640, 11735 and 13805 p/d cd. w/ sticker in 2 mo. (Barto). 15220 and 7485 p/d "Logo" cd. w/ stickers and schedule in 2 1/2 mo. (Barto). 7180, 13800 and 15640 same in 6 wks. v/s Kate Sand. (Barto). 15640, 15650, 9590 and 17535 p/d "Logo" cd. in 6 wks. w/ sticker. (Barto-CT).

**PERU: Radio La Hora OAZTA** 4855.6 f/d ltr. in 3 mo. for a SP rpt. v/s Carlos Gamarra M., Director. (Barto).

**PORTUGAL: Radio Portugal International** 9780 and 13640 f/d cd. w/ postcard in 2 mo. (Barto). 21655, 17745, 17725 and 15200 f/d cd. in 5 wks w/ personal ltr. and station sticker. v/s Isabel Saraiva. (Barto).

**Deutsche Welle** 12015 via Sines f/d cd. in 7 wks. (Barto).

**RIO MUNI: Radio Africa** 15185 f/d "Logo" cd. w/ station seal in 47 ds. w/ personal ltr. and schedule. (Humenyk-ONT).

**ROMANIA: Radio Moldova International** 7500 f/d green "Logo" cd. w/ seal in 89 ds. for 3 IRCs. My rpt. was sent by BulgarianDXer Rumen Pankov of Sofia. (Stephens).

**Radio Romania International** 7195 f/d "Sucevita Monastery" cd. w/ schedule in 57 ds. v/s F. Dochinov. (Humenyk-ONT).

**РАДИО·КИЇВ·РАДИО·**  
**РАДИО·КИЇВ·РАДИО·**



**KGEI San Francisco**  
 Far East Broadcasting Co., Inc.



**ROMANIA: Radio Moldova International** 7500 f/d green "Logo" cd. w/ seal in 89 ds. for 3 IRCs. My rpt. was sent by BulgarianDXer Rumen Pankov of Sofia. (Stephens).

**Radio Romania International** 7195 f/d "Sucevita Monastery" cd. w/ schedule in 57 ds. v/s F. Dochinov. (Humenyk-ONT).

All illustrations on this page are via Jeff Molander.

**RWANDA: Deutsche Welle**

15370, 15410 and  
17800 f/d cd. in 7  
wks. (Harto). 17860  
f/d cd. in 3 mo.  
(Barto). 15135 p/d  
cd. in 2 mo. (Barto)

**SAINT HELENA: Radio**

**Saint Helena** 11092  
f/d "Map/Logo" cd.  
w/ ltr. in 182 ds.  
for \$1.00. v/s Der-  
ek Richards, Pro-  
ducer/Presenter.  
(Brouillette-IL).

**SAUDI ARABIA: BSKSA**

9555, 11780, 11935  
and 15230 f/d "Logo"

cd. w/ personal ltr., report form and schedule in 157 ds. (Humenyk).  
**SCOTLAND: Weekend Music Radio** 6952.2 2 f/d cds. w/ station history and  
photos of their mobile transmitter in 1 mo. for an E-mail rpt. 400  
watts. v/s Jack Russel. (Maroti-NY).

**SOUTH AFRICA: HBC** 7205 via **Meyerton** f/d "Satelite Earth Station,  
Honeydew" cd. w/ schedule in 40 ds. (Humenyk-ONT).

**SPAIN: Radio Exterior de Espana** 15110 p/d ltr. in 6 wks.

(Barto). 17890, 17805, 17755 and 17715 p/d ltr. in  
1 mo. (Barto). 7275, 9630 and 6130 p/d ltr. w/  
sticker and schedule in 6 wks. (Barto).  
9620, 9540, 6125 and 6055 p/d ltr.  
in 5 wks. (Barto).

**SUDAN: Voice of Sudan** 8000 f/d "Verifi-  
cation Certificate" w/ NDA position ltr.  
on Sudan in 33 ds. for a rpt. sent to the  
London address. (Constanti-MO).

**SWEDEN: TERACOM** 17870 and 15235 f/d "Control  
Room" photo cd. in 89 ds. for an E-mail rpt.  
on the April 98 Radio Sweden test. v/s H. Widen-  
stedt. (Stephens-AL).

**SWITZERLAND: Swiss Radio International** 9905 f/d cd.  
in GM in 7 wks. (Barto). 6135 via **Schwarzenburg** p/d  
"View of Sarnen" cd. w/o site in 42 ds. (Stephens-AL).  
9885 f/d cd. in 64 ds. for \$2.00. (Clapper-NY).

**THAILAND: HBC** 9580 p/d ltr. in 48 ds. after a f/up rpt. v/s  
Ms. Jaruvan Messaertong, Secretary. (Stephens-AL).

**TURKEY: Voice of Turkey** 7300 via **Emirler** f/d "Traditional Cos-  
tume" cd. in 45 ds. w/ schedule and stickers for 2 IRCs. (Brou-  
7190 cd. in 51 ds. w/ schedule, stickers and a  
station pennant. (Griffin-VA).

**USA: WRMI Radio Miami International** 9955 f/d ltr. in 16 ds. w/ sked.  
(Humenyk-ONT). **WHRI** 13760 f/d "Globe w/ Logo" cd. in 84 ds. w/ sked.

v/s Loren Holycross.  
\* (Humenyk). **KXOL** 1660  
**Hooper, Utah** p/d ltr  
in 26 ds. (Delmage-  
ALR). **WPHG** 1620  
**Atmore, AL** p/d ltr.  
w/ schedule and  
station info. in 1  
mo. v/s John Mathis,  
President and CEO.  
(Barto-CT). **WEWN**  
11875 and 15745 f/d  
cd. in 3 wks. (Barto)  
5825, 13615 and  
15745 f/d "Antenna  
Farm" cd. in 3 wks.  
w/ schedule. (Barto).

**RADIO TELEVISION MALAYSIA**

96009 SIBU SARAWAK

**VERIFICATION**

Date 12 June 1998

Dear Mr Jeff

We are pleased to inform you that your report on Radio  
Malaysia Sibu SarawakDate 12 June 1998  
Time 10 35 57  
Frequency 5015 MHz 60 metres

Transmitter power 10 KW

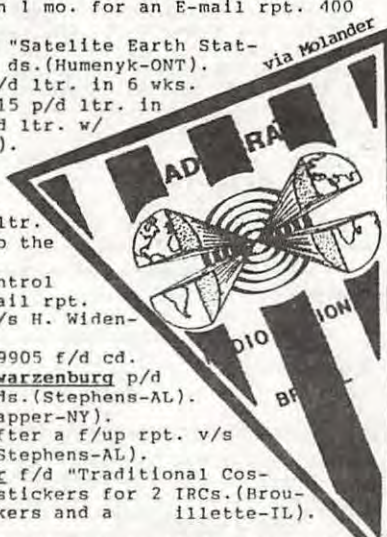
Using 12.12 MHz

in 12.12 MHz

LANGUAGE is

found to be correct and in accordance with our  
programme scheduleThank you for your report and wish you all the best in  
your undertakings

DGL18819051

To  
Jeff Newman  
6000 Ph a way  
ELK GROVE CA 95721  
USA**RADIO BARQUISIMETO**

PRESTIGIO INTERNACIONAL DE LA RADIODIFUSION VENEZOLANA

via Molander

**YVMR 690 Kc/s**ONDA LARGA  
50 KW**YVXJ 9.510 Kc/s**BANDA INTERNACIONAL  
de 31 metros -15 KW**YVMQ 4.990 Kc/s**ONDA CORTA  
15 KW**YVMR/FM 96.9 Mc/s**

MODULACION DE FRECUENCIA

APARTADO POSTAL 567 y 576

BARQUISIMETO - VENEZUELA

WBCQ - The Planet  
97 High Street  
Kennebunk, ME 01033 USA

Dear John Sgrulletta

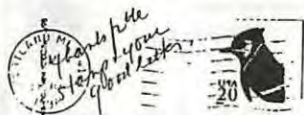
We are pleased to confirm your reception of **WBCQ, The Planet**

Date of reception 8/21/98  
Time 01:46-2:08 UTC (7:36 PM) - EDT  
Frequency 7415 F12 MHz kHz

Thank you for listening.

E. Elaine Steg Office Manager  
Signature

Use this official IFFI postmark address: WBCQ, The Planet, 97 High Street, Kennebunk, ME 01033 USA



Mr. John Sgrulletta  
337 Bullet Hole Rd.  
Malden, MA

**Taipei Radio International** 9680 via **WYFR** f/d "Insects in Taiwan" cd. in 45 ds w/ newsltr., postcard and schedule. (Humenyk-ONT). **WJCR** 13995 f/d "White Cross w/ Logo" cd. in 27 ds. v/s Gerri Powell. (Humenyk). **WHRA** 7465 f/d "Test OSL" cd. in 211 ds. for an E-mail rpt. v/s James L. Holycross, Engineering Department. (Stephens-AL). 15460 f/d "First Day OSL" cd.

in 179 ds. w/ schedule. (Humenyk). **KVOH Voice of Hope** 17775 f/d cd. in 109 ds. (Delmage-ALB). **WWCR** 15685 f/d "Globe" cd. w/ schedule in 32 ds. v/s Tammy Heliz. (Delmage). **WBCQ The Planet** 7415 f/d "Rainbow Globe" cd. in 27 ds. v/s Elaine Star. (Delmage-ALB). same in 10 ds. for 2 ms. (Wilkins-MO). cd. in 10 ds. (Humenyk). f/d cd. in 7 ds. for a taped rpt. and ms. (Stephens-AL). **Voice of Greece** 17705 via **Greenville** f/d "Holly Mount Halkioiki, Macedonia" cd. w/ schedule in 35 ds. (Humenyk). 17765 via **Delano** same cd. in 10 ds. (Humenyk-ONT).

Rio de Janeiro, march 11th, 1998.

Dear Jonh, via Sgrulletta

RADIO GLOBO S/A:  
DEPT: TÉCNICO-RJ

Thank you for your recent letter to Rádio Globo, we have liked so much your reception report.

We are sending an adhesive of our Broadcasting Station.

\* Rádio Globo - Música, Esporte e Notícias \*

Warm regards

Guilherme Viterbo  
e-mail: boconcorde@guilherme.com.br

**USA (Pirates): Anteaater Radio** 6955 f/d large "Logo / Cartoon" cd. in 35 ds. v/s Peter Worth. (Stephens-AL). **KNBS** 6955 f/d green "Cartoon" cd. in 135 ds. for 3 ms. I sent address label w/ ms. and both were used. (Wilkins-MO). **Radio Azteca** 6955 f/d yellow cd. w/ "Aztec Symbols" in 27 ds. for 3 ms. Also rcvd. tourist info., cartoon and humorous survey. v/s Bram Stoker. (Wilkins-MO). **WGTC Parody** 6955 f/d cd. in 107 ds. for \$1.00. v/s Steve Main. (Pasquale-PA). **Rock-it-Radio** 6955 f/d "Cat Riding a Rocket" cd. w/ newsltr. in 3 mo. for a UNID. logging. v/s Bennie Dingo. (Stephens-AL). **Tangerine Radio International** 6955 f/d orange "Hand Holding the World" cd. in 9 ds. for 3 ms. Address label and ms. were sent and used. (Wilkins-MO). **Radio Nonsense** 6955 f/d "Antique Radio w/ Microphone" color sheet in 122 ds. (Stephens). same sheet in 125 ds. for 3 ms. (Brouillette-IL).

**URUGUAY: Emisora Ciudad de Montevideo** 9650 f/d glossy "Logo / Antenna Photo" cd. w/ sticker in 29 ds. for a SP rpt., tape and \$1.00. v/s Aramazd Yizmeyan, Director General. (Stephens-AL).

**UZBEKSTAN: Radio Tashkent** 17775 and 15295 f/d cd. w/ schedule in 3 mo. (Barto-CT).

**VENEZUELA: Radio Valera** \* 4840 p/d "Certificado de Sintonia"

# Merlin Network



QSL

This is confirmation that you heard Merlin Network One broadcasting to the UK on the Astra 1E satellite and around the world on shortwave

To: Carl Mann

With thanks for your support



Registered Office: Merlin Communications International plc  
PO Box One, 20 Lincoln's Inn Fields, London WC2A 3ES, UK

MERLIN COMMUNICATIONS

FINNISH

**OSL COLUMN**

SeNes  
CMI1712098 E. 120011  
Nasches, M. OZRO  
S.4.d.-

Distinguido Señor: Continuamos tomando a Dios en cuenta y darle las gracias por su cooperación del 1/17/1977. El nombre es RADIO Q1752WR, el cual es insignia, de la cual se le dio que pudo gran parte de este año. Transmisiones con un transactor de 700 Watts de potencia. Agradecemos nuevamente a estación de exportar nuestra señal, y esperamos seguir contactado con un entusiasmo y entedado. QRO118-

Atte.,  
The Group of Finlandians  
Director

quisimeto 4990 f/d "Photo Collage" cd. for a 1980 reception. Same VZ DXer utilized. (Stephens-AL)...Who is this masked man...Sam. HI!

**VIETNAM: Voice of Vietnam** 12019.6 and 9839.9 f/d cd. w/ station pennant in 2 mo. (Bar-to-CT). 9729.6 and 7285 f/d cd. w/ sticker, paper pennant and schedule in 2 mo. (Barto)

**WEST IRIAN: Radio Republik Indonesia** 4606 via Serui p/d ltr. w/ photos of the v/s and his family in 103 ds. for an IN rpt. and \$1.00. v/s Natalis Edowai. (Stephens-AL).

**YUGOSLAVIA: Radio Yugoslavia** 7130 f/d "Map / Globe Listeners Club" cd. w/ schedule in 40 ds. for 1 IRC. (Brouillette-IL).

**ZAMBIA: ZNBC** 6265 f/d postcard for a registered rpt. in 33 ds. v/s P. Nkula. (Constant-MO).

**NOTES:** I received a letter from Borowski who admitted to being the "knucklehead" that sent in the reports without a name. You shouldn't be so hard on yourself. That's as bad as someone who wins the lottery and hands in their unsigned million dollar ticket and forgets to sign it. HI! By the way, what is your favorite football team?...Sam.

form cd. w/ business cds. in 60 ds. after a f/up rpt. and \$1.00. v/s Gladys Barroeta & Mariela Leal. OSL was obtained w/ the assistance of a VZ DXer who walked my rpt. through. (Stephens). Radio Juventud 4900 f/d photo collage cd. in 110 ds. after an untold number of rpts. for a 1978 reception. Thanks to a VZ DXer who took my rpt. to the station. (Stephens). Radio Yaracuy 4940 same scenario as above for a 1992 reception. (Stephens). Radio Continental 4940 f/d "Antenna/ Logo/Globe" cd. in 271 ds. after a f/up rpt. in SP and \$1.00. This was for a 1995 reception. v/s Francisco Jose Ocano. (Stephens). Radio Lara 4800 f/d "Photo Collage" cd. in 110 ds. after several rpts. went unanswered for a 1978 reception. Thanks again to the VZ DXer. (Stephens). Radio Bar-



FINNISH  
BROADCASTING  
COMPANY

Short Wave Centre  
Prelviikki  
FIN-28660 PORI FINLAND

From: Randy Stewart  
Thank you very much for your reception report. It has been found to be correct and is hereby verified.  
Date: SR 4 92 Time: 15:30-15:50 UT  
Frequency: 15400 kHz  
You sincerely: Viktor Radu by  
Pasi Iyhyalaalokanen  
Location: 21 35' E 61 29' N Picture: Matti Junttila

This should take us through another month. Hope the OSLs take you through this month and to the next OSL Column.

Sam

**RADIO AZTECA** Not valid without Official Seal

Sure, we can confirm that DAN MCCARTHY from CALHOUN GA heard us on 6360 KHz. at 2336 9/19 UTC via WABR

QSL# 268 B.S. Bram Stoker

# Net Notes

Tom Sundstrom  
P.O. Box 2275  
Vincentown, NJ 08088-2275  
Fax: 609-859-3226  
Internet: [trs@lrsc.com](mailto:trs@lrsc.com)  
<http://www.lrsc.com>

Glenn Hauser's monthly "Continent of Media" show,<sup>1</sup> airing only on RFPI/Costa Rica, is now on the Web, thanks to Harry Helms. The show is approximately 30 minutes long. You'll need the Real Audio player version 5.0 or G2, free for the download.

Japan Radio Company closed its New York office last August, and most of the staff headed west to Seattle. The JRC home page<sup>2</sup> does not have the new office information, but we found a JRC Canada Web site that has the Seattle contact data.<sup>3</sup> This page also lists a "service depot" in Fort Worth, but it doesn't identify the product lines handled. There is no e-mail address; you'll have to revert to telephone or fax. The NRD-545 is now shipping in the USA; some people visiting our Web site have purchased the receiver during October.

Chuck Rippel has created his 'Receiver Based Hobby Radio' that focus on the R-390-series receivers and

now includes different receiver audio files of DX stations. It allows the visitor to hear the difference between a variety of the better table-top radios.<sup>4</sup>

Ten-Tec<sup>5</sup> introduced an external PC receiver a month or so ago, the model RX-320, that is controlled by receiver software. It costs just \$295, direct from the Tennessee factory. The software runs on all flavors of Windows. The complete review was posted October 28 on the Radio Netherlands' RealRadio pages (which have been re-organized).<sup>6</sup> I'll give you a hint. For the money, it is a heck of a receiver.

Just for the fun of it... where have I heard that before... we have a "workspace camera" pointed at the messy desk here. When we're on line, the picture is updated every 2 minutes. The link is accessible off the home page and most other pages.

In the listings below, "http://" is implied.

<sup>1</sup> [www.dxing.com/ContinentOfMedia.html](http://www.dxing.com/ContinentOfMedia.html)

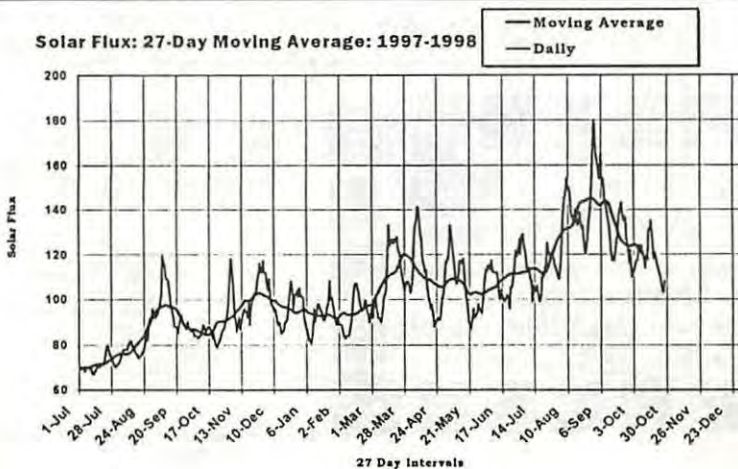
<sup>2</sup> [www.jrc.co.jp/index-e.html](http://www.jrc.co.jp/index-e.html)

<sup>3</sup> [www.jrcc.com/info/howto.htm](http://www.jrcc.com/info/howto.htm)

<sup>4</sup> [users.exis.net/~crippel/](http://users.exis.net/~crippel/)

<sup>5</sup> [www.ten-tec.com](http://www.ten-tec.com)

<sup>6</sup> [www.rnw.nl/realradio/](http://www.rnw.nl/realradio/)



# Contributors' Page

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

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

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA  
Dustin BRANN, Kansas City, MO  
John BOONE, Spring, TX  
Richard CLAPPER, Au Sable Forks, NY  
David CLARK, Thornhill, ONTARIO  
Peter COSTELLO, Matawan, NJ  
Nicolas ERAMO, Buenos Aires, ARGENTINA  
Bob FRASER, Cohasset, MA  
Hugh GRIFFIN, Jr, Portsmouth, VA  
Bob HILL, Littleton, MA  
Mark HUMENYK, Weston ONTARIO  
Fred KOHLBRENNER, Philadelphia, PA  
David KRAUSE, Eastlake, OH  
Jerry LINEBACK, Scranton, KS  
George MAROTT, Mt. Kisco, NY  
William McGUIRE, Cheverly, MD  
James MILLS, TURKS & CAICOS IS  
Bob MONTGOMERY, Levittown, PA  
Gary NEAL, Sugarland, TX  
Ed NEWBURY, Kimball, NE  
Jay NOVELLO, Wake Forrest, NC  
Takayuki Inoue NOZAKI, Tokyo, JAPAN  
Denis PASQUALE, New Brighton, PA  
Sheryl PASZKIEWICZ, Manitowoc, WI  
Bob RAYMOND, Nashua, NH  
Chuck RIPPEL, Cornland, VA  
David ROSS, Hamilton, ONT  
Conrad ROUTH, Chamblee, GA  
Giovanni SERRA, Rome, ITALY  
John SGRULETTA, Mahopac, NY  
Bill SMITH, Mincola, TX  
Mike STRAIN, Bayville, NJ  
Ed TILBURY, Ankorage, AK  
Fred TRESHER, Philadelphia, PA  
Patrick VAN LOO, Washington, DC  
Gerald WITHAM, Keaau, HI  
Dan ZIOLKOWSKI, Hanburg, NY

R8B AOR AR-7030 100' LW  
R8B 50' LW  
  
R8A NRD-515/SE-3 ANC-4 Carolina Beam  
AR3030 DX-390 YB400 70' LW Tun-4A  
Sony 2010 ICF-7600 7600G LW's  
Sony ICF-2003 ICF-SW100S 2m LW  
DX150B LW  
Sony 2010 120' dipole at 35'  
Magnavox D-2935 AN-60 DX-SWL sloper  
R8 NRD-525 Datong FL-3 AD Sloper  
Kenwood R600  
R7A beverage antennas  
Sony 2010 10/45m dipoles MFJ-956 tuner  
DX-380  
NRD-515 15m sloping wire  
R388 DX Pro active antenna  
Grundig YB-400  
WJ-1000 R8 60'Sloper 20' loop  
R8A LW's  
  
Sony 2010 beverage antennas  
R8 NRD-525 60' LW Eavesdropper  
DX-398 20m 5/8 wave vertical  
WJ-HF1000A R8B R390A/SE-3 51S-1 LW's  
R8B R8A+Sherwood SE-3 50' inverted L  
NRD-535D AD 60' Sloper  
NRD-525 AD Sloper  
NRD-515 AD Sloper Moseley trap dipole  
R8B 150' LW  
DX380, 390, 394, 398 FRG-7 MFJ-1020B LW  
AOR-7030 80' LW  
ATS-818 Sony 2010 FRG-7700  
R8B FRG-100 DX-390 Delta Loop Dipole  
R8 ANC-4 135' LW  
R8 Sloper SPS NRF-7 SEM QRM Eliminator

Thanks go out to the above thirty-seven members who took the time this month to send in and share their loggings, QSL returns, and Scoreboard totals with the rest of us, and welcome to our new contributors. Its your contributions that help make this club what it is. If you have never contributed, or have not sent in items in a while, why not take a little time this month to send in and share your logs with the rest of us.

Please take note of the equipment listed next to your name above and send me any updates or corrections for next months page. If you would rather not list your equipment just drop me a note.

Finally, for our members sending in material through the postal system, Log and QSL reporting forms are available for an SASE to the address above. Good Listening!

# Tropical Band Loggings

Sheryl Paszkiewicz

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

- 2310 AUSTRALIA *VL8A* 10/9 1045 mx variety show (Ripp-VA)  
 2410 NEW GUINEA *R Enga* 9/27 1226 EG pops, fair (Line-KS) 10/9 1059 ID, lang nx, peak at 1102 (Ripp-VA)  
 3172.7 PERUR *Municipal* daily 0900-1300 & 2300-0400 Quechua w/folklore & comunicados, sometimes as *R Marcawana*, FC. Addr: Plaza de Armas 124, Paucartambo (TIN-JP)  
 3210 COSTA RICA *REE* Relay 9/14 0301 ID (Rout-GA)  
 3210 MOZAMBIQUE *RM* 10/11 0335 muddy anmts, piano mx (Clar-ON)  
 3215 SULAWESI *RRI Manado* 9/16 1201 local nx, good (Line-KS)  
 3215 USA *WWCR* 9/14 0252 ID (Rout-GA)  
 3235 NEW BRIT *RWNB* 10/8 1238 mx, fair (Smit-TX)  
 3240 SWAZILAND *TWR* 9/26 0340 rel, ID (Rout-GA)  
 3249 HONDURAS *R Luz y Vida* 9/11 0312 tlk, ID (Rout-GA)  
 3255 SOUTH AFRICA *BBC* Relay 9/19 0429 EG nx, ID (Rout-GA)  
 3264.8 SULAWESI *RRI Gorontalo* 10/8 1228 vocal mx, fair (Smit-TX) 1200 RRI nx, exc (Line-KS)  
 3279.5 ECUADOR *LV del Napo* 9/14 0238 mx ID (Rout-GA)  
 3289.8 ECUADOR *R Centro* 9/10 0620 tlk, mx, ID (Rout-GA)  
 3289.8 GUYANA *GBC* 10/10 0357 domestic nx, BBC Relay, ID (Clar-ON) 9/16 0904 Early Bird Show, ad, ID, TCs (Kohl-PA) 10/6 2203 EG lcl nx, ad for JP Santos, TC, ID (Mill-TURKS) 9/27 0920 EG birthday greet, US pops (Mont-PA) 9/15 0547 BBC Relay, ID (Rout-GA)  
 3300 GUATEMALA *R Cultural* 9/11 0315 tlk in EG, ID, mx (Rout-GA)  
 3315 INDIA *AIR Bhopal* 10/12 0037 EG nx //4920, 5010 (Clar-ON)  
 3320 SOUTH AFRICA *R Souder Grense* 9/12 0300 TP, ID, AK tlk (Rout-GA)  
 3324.7 GUATEMALA *R Maya* 9/11 0317 tlk, mx, ID, fair (Rout-GA)  
 3325 SUMATRA *RRI Palangkaraya* 10/8 1231 vocal mx (Smit-TX) 9/16 1159 SCI (Line-KS)  
 3326 NIGERIA *RN* Lagos 9/13 0438 EG pgm summary, IDs (Clar-ON)  
 3340 PERU *R Altura* 9/24 0259 mx ID (Rout-GA)  
 3344.9 MOLUCCAS *RRI Ternate* 10/8 1233 mx, fair (Smit-TX) 9/16 1157 tlk & anmts, SCI (Line-KS) 10/14 1107 nx, anthem, poor (Bran-MO)  
 3345 INDIA *AIR Jaipur* 9/30 1634 tlk, mx //3223, poor (Serr-IT)  
 3345 NEW GUINEA *R Northern* 10/8 1244 mx, tentative (Smit-TX)  
 3360 GUATEMALA *LV de Nahuala* 10/5 0108 instl mx, tlk (Mill-TURKS) 9/12 0200 ID, tlk, marimbas, good (Rout-GA)  
 3370 GUATEMALA *R Tezulutlan* 9/16 marimbas ID (Rout-GA)  
 3380 GUATEMALA *R Chortis* 9/12 0210 ID, marimba mx, weak (Rout-GA)  
 3385 SUNDAS *RRI Kupang* 9/17 1212 RRI nx //others (Line-KS)  
 3395t NEW GUINEA *R E Highlands* 10/8 1055 EZL, anmts, nx (Sgru-NY)  
 \*3663.7v AZAD KASHMIR *AKR* 10/8 0104 singing, poss Urdu, drifted down //4790 think this is first time I've hrd this (Hill-MA)  
 3905 NEW IRELAND *RNI* 10/11 1107 church svc, lang tlk, signature guitar mx (Ripp-VA)

- 3955 ENGLAND *BBC* 9/19 0429 nx, ID (Rout-GA)
- 3960 GERMANY *Overcomer* 10/5 2216 preaching in EG (Mill-TURKS)
- 3965 FRANCE *RFI* 9/19 0445 FR tlk ID (Rout-GA)
- 3975 HUNGARY *R Budapest* 8/30 1635 pres Slovak, mx, ID (With-HI) 9/19 0459 IS, tlk, mx, ID (Rout-GA)
- 3976 KALIMANTAN *RRI Pontianak* 10/8 1239 tlk, tent, ham QRM (Smit-TX)
- 3987.2 IRIAN JAYA *RRI Manokwari* 9/19 1125 presumed w/moderate carrier (Clar-ON)
- 3995 GERMANY *DW* 9/19 0435 GM nx (Rout-GA)
- 4000.1 SUMATRA *RRI Padang* 9/29 2152 lcl nx, pops, SCI, could have been Kendari (Hill-MA)
- 4000.1 UNID *RRI* site? 10/10 1210 warta berita, anthem //4753 (Bran-MO)
- 4059.5 CLAND *Vo Iraqi Kurdistan* 10/11 1628 AR nx, ID, drifting (Serr-IT)
- 4060.1 CLAND *Vo Peop Kurdistan* 10/11 2136 KD tlk, sev Ids, march (Hill-MA)
- 4085 CLAND *Vo Iraqi Kurdistan* 8/10 1915 ID, chant, tlk (Serr-IT)
- 4461 PERU *R Norandina* 9/22 0948 OA mx (Line-KS) 9/21 1130 Amanacer Campesino pgm, folklore, ID, FC (TIN-JP)
- 4499.9 CHINA *Xinjiang PBS* 9/30 1645 CH ment Zhonguo (Serr-IT)
- 4569 PERU *R Gotas del Oro* 9/22 0951 OA mx (Line-KS)
- 4606 IRIAN JAYA *RRI Serui* 9/27 1255 Indo tlk (Line-KS)
- 4635 TAJIKISTAN *Tajik R* 9/30 1653 //5800, 7510 chants, tlk (Serr-IT)
- 4735 CHINA *Xinjiang PBS* 9/24 2359 TP, IS, ID, NA, nx (Ripp-VA)
- 4748.3 PERU *R Huanta 2000* 9/26 1044 anmmts, ads, ment Huanta (Line-KS) 10/15 1038 uptempo mx, anmmts, Tcs, IDs (Bran-MO)
- 4753 SULAWESI *RRI U-P* 10/8 1234 vcls, good (Smit-TX) 9/27 1252 Indo pops (Line-KS)
- 4760 ANDAMAN *AIR Pt Blair* 9/11 2347 SC mx, chants (Clar-ON)
- 4765 BRAZIL *R Rural* 9/9 0300 tlk mx ID (Rout-GA)
- 4770 NIGERIA *Kaduna* "Welcome to Kaduna" tlk ID, fair (Rout-GA)
- 4775 PERU *R Tarma* 9/26 1047 anmmts, mx (Line-KS) 9/9 0305 ID, weak (Rout)
- 4775 SWAZILAND *TWR* 9/18 0400 rel mx in lang (Tres-PA) 9/9 0400 rel, ID (Rout-GA)
- 4775.2 BRAZIL *R Educ Rural* 9/14 0318 mx ID (Rout-GA)
- 4777 JAVA *RRI Jakarta* 9/27 1251 Indo pops (Line-KS) 10/12 2208 morning prayers, chatter //9630 (Clar-ON)
- 4780 ECUADOR *R Oriental* 10/13 1057 TC, ID, food price list (Bran-MO)
- 4783.1 MALI *RM* 9/25 2223 FR Afr mx w/chimes, drums, nx (Mont-PA) 9/19 0556 IS, sev lang anmmts, ID (Rout-GA)
- 4789.1 IRIAN JAYA *RRI Fak-Fak* 9/27 1246 tlk, mx, SCI (Line-KS)
- 4790 PERU *R Atlantida* 9/26 1049 tlk, fair (Line-KS) 10/15 1041 anmmts, Tcs, Ids, huaynos (Bran-MO) 9/9 0247 mx, ID, 0256\* (Rout-GA)
- 4790.3 PAKISTAN *AKR* 10/4 0145 tlk, chants, anmmts (Serr-IT) 10/12 0047 instl mx, tlk, chorus (Clar-ON)
- 4800 GUATEMALA *R Buenas Nuevas* 10/4 0232\* rel chant, sermon, ID (Serr) 9/9 0310 tlk, mx, ID (Rout-GA)
- 4815 BURKINA FASO *RTV* 9/24 2230 FR to 2400\* Afr mx, good quality, ID (Mont-PA) 9/10 0530 anthem, anmmts, ID (Rout-GA)
- 4819.3 HONDURAS *R Evangelica* 9/9 0328 ID, mx (Rout-GA)
- 4820 BOTSWANA *RB* 9/18 0400 lang cmtry (Tres-PA) 9/10 0251 IS, ment Gaborone (Rout-GA)
- 4820 INDIA *AIR Calcutta* 10/12 0032 HD nx //4840, 4860 (Clar-ON)
- 4824.4 PERU *LV de la Selva* 1053 SP anmmts, mx, good (Line-KS)

- 4825 BRAZIL *R Canção Nova* 10/12 0409 anmts, rel cmnts, ID, jingle (Eram-ARG)
- 4826.3 PERU *R Sicuani* 9/21 1100 ID, anncd 4835 (TIN-JP)
- 4830 VENEZUELA *R Tachira* 10/12 0000 mx, ID (Eram-ARG) 9/9 0333 tlk, ID (Rout-GA)
- 4832 COSTA RICA *R Reloj* 9/18 0630 LA mx (Tres-PA) 9/9 0404 talk ID (Rout)
- 4835 GUATEMALA *R Tezulutlan* 9/9 0358 ID, marimbas (Rout-GA)
- 4835 MALI *RTM* 9/19 0556 IS, mx, ID //4783 (Rout-GA)
- 4845 GUATEMALA *R Kekchi* 9/14 1131 ID (Rout-GA)
- 4845 MALAYSIA *RM Kajang* 9/27 1242 Tamil tlk, poor (Line-KS)
- 4860 INDIA *AIR Delhi* 9/27 1239 Hindi tlk, fair (Line-KS)
- 4870 BENIN *ORTB* 9/27 \*0550 instl IS, ID, vcls (Clar-ON) 9/25 0458 IS, NA Afr mx (Rout-GA)
- 4875 BRAZIL *R Roraima* 9/14 0846 tlk, mx, ment Boa Vista (Ziol-NY) 9/12 0245 mx, tlk, ID (Rout-GA)
- 4875 INDO *Sorong?* 9/17 1213 tlk //3345 (Line-KS)
- 4880 BANGLADESH *RB* 10/11 \*2358 IS, TP, anmts, rel chants, tlk (Clar-ON)
- 4885 BRAZIL *R Clube* 9/16 0333 pops, TC, ment Belem (Bran-MO) 9/12 0220 ID "en Belem" (Rout-GA)
- 4890 GABON *RFI* Relay 9/9 0430 ID, fair (Rout-GA)
- 4890 PAPUA *NBC* missing several weeks (Smit-TX)
- 4915 BRAZIL *R Anhanguera* 9/11 0156 ID (Rout-GA)
- 4915 GHANA *GBC* 9/14 0528 rooster, good morning to you, ID (Rout-GA)
- 4915 PERU *R Cora* 10/12 0405 LA mx, ID "Yo soy Cora" (Eram-ARG) 9/13 ID (Rout-GA)
- 4920 INDIA *AIR Chennai* 9/27 1235 EG nx, Hindi tlk (Line-KS)
- 4920 ECUADOR *R Quito* 9/10 0640 LA mx (Tres-PA) 10/10 0313 lengthy nx, lds, Tcs, ads (Bran-MO) 9/9 0430 ID (Rout-GA)
- 4925 SUMATRA *RRI Jambi* 9/29 1229 Indo tlk, mx (Line-KS) 10/11 2301 Jak nx, anthem, getting weaker (Clar-ON)
- 4929.8 UNID 9/19 2248 lite pops, poor, Namibia? (Kohl-PA)
- 4930 HONDURAS *R Int'l* 9/9 0445 ID (Rout-GA)
- 4934.3 BOLIVIA *R Norte* 9/21 \*0930 Takirari mx, anmts, FC, ID (TIN-JP)
- 4935 PERU *R Tropical* 9/18 0200 SP tlk mx ID (Rout-GA)
- 4939.5 VENEZUELA *R Amazonas* noted on 9/10 (Rout-GA) time?
- 4940 INDIA *AIR Guwahati* 10/12 0013 chorus, anmts, sitar (Clar-ON) 10/5 0010 tone, Song of India IS, puny sig (Hill-MA)
- 4950 ANGOLA *R Nacional* 10/10 0332 Afr pops, TP, ID, nx (Bran-MO) 9/25 0450 TP, PT tlk, Afr mx, ID (Rout-GA)
- 4950 KASHMIR *AIR Srinagar* 10/2 1633 chants, ID, poor (Serr-IT)
- 4955 COLOMBIA *R Nacional* 10/4 0243 marimbas, ID, slogan (Serr-IT) 9/10 0410 NA, ID (Rout-GA)
- 4959.7 VIETNAM *VoV* 10/7 2205 morn calisthenics //5924.6 (Hill-MA)
- 4960 SAO TOME *VOA* Relay 9/25 noted at 0510 (Rout-GA)
- 4965 ZAMBIA *Christian Vo* 10/4 1722 EG Afr pop, jingle, nx (Serr-IT) daily 2100 pops, EG DJ, 2200 nx, test tone (Hill-MA)
- 4974.8 PERU *R del Pacifico* 10/24 1008 tlk, anncr singing, lds, ment saints (Pasz)
- 4975.2 PERU *R del Pacifico* 9/19 0215 palabra de Dios tlk, //9674.8 (Nove-NC)
- 4976 UGANDA *RU* 10/4 1716 EG Afr pops, tlk abt economy (Serr-IT)
- 4980 VENEZUELA *Ecos del Torbes* 9/11 0450 SP cmtry (Tres-PA) 9/14 1054 ID (Rout-GA)
- 4985 BRAZIL *R Brasil Central* 10/4 0147 pops, FC, TC poss ID (Bran-MO) 9/30 2300 mx tlk ID (Rout-GA)

- 4990.9 PERU *R Ancash* 10/15 1053 OA mx, TC, ID (Bran-MO) 10/12 0355 huaynos , ads, Tcs, ID (Eram-ARG)
- 4990.9 SURINAM *R Apintie* 9/26 0350 lite jazz, muffled anmnts, pops, mixing w/ Ancash (Clar-ON)
- 4994.9 PERU *R Andina* 10/4 1040 folk mx, Tcs, IDs (Bran-MO)
- 5003.4 RIO MUNI *RN* 10/11 2203 pol speech //6250 (Hill-MA) 10/12 2111 tlk switched to another anncr 2113 //stronger 6250 (Clar-ON)
- 5005.3 NEPAL *R Nepal* 9/24 \*0015 IS, ID (Ripp-VA) 9/25 0012 IS (Nove-NC)
- 5011.6 DOM REP *R Cristal* 9/15 2250 tlk ment Santo Domingo, ID (Rout-GA)
- 5015 TURKMENISTAN *TR* 9/18 2350\* exotic ME mx, OM (Kohl-PA)
- 5018.6 COLOMBIA *Ecos del Atrato* 9/18 0100 mx tlk ID (Rout-GA)
- 5018.6 PERU *R Horizonte* 9/22 1150 folklore, ID (TIN-JP)
- 5020 SOLOMON *SIBC* 10/2 1145 EZL mx, cmtry, ID, anthem (Sgru-NY)
- 5025 CUBA *R Reloj* 9/14 0600 ID (Rout-GA)
- 5025 PERU *R Quillabamba* 9/24 2330 MOR mx, no Rebelde, ID, rosary (Nove-NC)
- 5030 SARAWAK *RTM Kuching* 10/8 1237 tlk, vcl (Smit-TX)
- 5030.1 COSTA RICA *AWR* 9/18 0359 rel tlk ID (Rout-GA)
- 5035 BRAZIL *R Aparecida* 10/1 2255 tlk, mx, ID (Sgru-NY)
- 5040 GEORGIA *Georgian R* 10/4 0317 flute & strings, anmt, ID (Serr-IT) 10/8 0158 IS, chimes, anthem, nx (Sgru-NY)
- 5040 INDIA *AIR Jeypore* 9/12 0005 OC, IS, chorus (Clar-ON) 10/8 \*0023 tone, IS, anmts (Hill-MA)
- 5040 UNID 10/3 1509 pop song, annmt (Serr-IT)
- 5047 TOGO *R Lome* 9/15 0300 Afr mx FR tlk ID (Rout-GA)
- 5050 CHINA *Haixia* 1 10/7 2143 CH opera //4940 (Hill-MA)
- 5070 USA *WWCR* 9/14 0515 rel, ID (Rout-GA)
- 5077 COLOMBIA *Caracol* 9/14 0501 ID (Rout-GA)
- 5085 USA *WGTG* 9/14 0505 rel, ID (Rout-GA)
- 5097.3 PERU *R Eco FM* 9/21 2402\* ID (TIN-JP)
- 5100 LIBERIA *LCN* 9/15 EG anmts (Rout-GA)
- 5174.7 PERU *R Master* 9/22 \*1104 buenos dias, lengthy ID (TIN-JP)
- 5304.7 PERU *UNID* Pampas 9/20 1130 fair folk mx, ads, sounds like R Union, QRM from La Inmaculada, needs more work (TIN-JP) 9/25 2340 Andean instl w/hollering (Hill-MA)
- 5305 PERU *R La Inmaculada* 9/26 0258\* folk mx, tlk, Ids, NA (Alex-PA) 10/13 1040 mx, tlk, ment Santa Cruz, IDs (Bran-MO) 9/21 1010 Alegre de esportar pgm (TIN-JP) 9/29 1050 tent w/Andean mx, flutes (Ripp-VA)
- 5461.2 PERU *R Bolivar* 9/20 2340 Atar decer folklore pgm ID (TIN-JP)
- 5522.2 PERU *R Sudamerica* 9/19 0130 folk mx, tlk (Alex-PA) 9/29 1027 huaynos, ID 1030 (Ripp-VA)
- 5678 PERU *R Ilucan* 9/19 0000 SP remakes, ID, tlk (Alex-PA) 10/4 1058 ads tlk, Ids, OA mx (Bran-MO) 9/29 1020 huaynos, ID (Ripp-VA)
- 5699.9v PERU *R Frece San Ignacio* 9/19 0303\* tlk, folk mx, ID (Alex-PA)
- 5835 UNID *DW* site? 10/8 0100 //6085, abrupt off 0159 (Sgru-NY)
- 5850 GERMANY *Sunrise R* relay 9/2 0650 pop mx, ID (With-HI)
- 5872.3 N KOREA *KCBS* 10/5 \*1200 IS, anthems, numbers (Nove-NC)
- 5880 LIBERIA *Star R* 10/12 \*0500 brass band anthem, anmts, tlk (Clar-ON)

Thank you to all who took the time to send in their loggings. Special hello to James Mills of the Turks & Caicos Islands. This month loggings from 10 states, 1 Canadian province and 4 foreign countries. Next deadline November 20.



# International Band Loggings

Wallace C. Treibler  
357 N.E. 149th Street  
Seattle, WA 98155  
nwinkers@gte.net

- 5975 ANTIGUA BBCWS relay in EG 0030, world nx, QTH, taped cmnty (Trescher PA, Humenyk ONT)  
6005 JAPAN NHK feeder Sapporo in JP 0735, sports excerpt, chatter, Western vcls, f (Witham HI 10/2)  
6005 GERMANY Deutschland Radio Berlin in GM 2220, Sci-fi type mx, tlks, QRN (Mills BWI 10/4)  
6010 ITALY RAI Rome in EG 0055, tlk on new national budget, //11800, g (Fraser MA 9/21)  
60499 NIGERIA R Nigeria Ibadan in EG 0610, mostly int'l nx, signal a bit distorted (Clark ONT 9/27)  
6065 ZAMBIA Christian Voice Lusaka in EG 0455, relig singing, ID 0459, theme mx, vcls, f (Clark 9/13)  
6070nf CHILE R Voz Christiana in SP 0957, clear ID's, tlks w/interludes of mx (Montgomery PA 9/29)  
60898 NIGERIA R Nigeria Kaduna in lang \*0429, drum IS, choral NA, fair with Anguilla off (Clark 9/13)  
6100 LIBERIA RLI V of Peace Monrovia in lang/EG 0635-0703, lengthy tlk in lang, native vcl, OM in Afro-accented EG w/ID & ancmnt of new pgm segment at "7 o'clock", cig ad, vg (Clark ONT 9/27)  
6155 ROMANIA RRI Bucharest in EG 0255, fcy and sked, QTH, s/off ancmts, g (McGuire MD 9/4)  
6155 UNITED KINGDOM R Japan relay in EG 0054, vocals, nx, cmntry by YL (Mills BWI 10/3)  
6188 CHILE R Oriente in SP 1022, LA mx, TC, interview, ads (Brann MO 10/4, Kohlbrenner PA 9/16)  
62286nf ALBANIA R Tirana in EG 0130-0157\*, nx, press review, mx, //1160 (Alexander PA, Krause OH)  
6250 EQUATORIAL GUINEA RN Malabo in SP \*0458, Afr'n mx, ID, NA, hi-life, f (Tilbury AK 10/14)  
64797 PERU R Los Andes in SP 0200-0326\*, OA folk mx, tlk, ID's, NA, ute QRM (Alexander PA 9/26)  
65357v PERU RDif Huancabamba in SP 0100-0211\*, tlks, ID, lively OA mx, NA\*, g (Alexander 9/26)  
66708v PERU RDif Paraton de Huarmaca in SP 2340, Andean mx, prom, ID 0029\*, NA (Novello NC 9/21)  
66182nf PERU R Nueva Sensacion in SP 0000-0105\*, OA folk mx, ID, tlks, abruptly off (Alexander 9/26)  
67155v PERU R Satellite in SP 1112, OA folk mx, TC's, ID's, local nx (Brann MO 10/4)  
67977v PERU R Ondas del Rio Mayo in SP 0000-0154\*, SP/OA mx, ads, promos, ID, NA (Alexander PA)  
70034nf PERU LV de las Huarinas in SP 0130-0335, tlks, OA folk mx, ID, g, some CW (Alexander 9/19)  
7130 CHINA-TAIWAN R Taipei Int in EG 1245, CH mx, ID, QTH, lang lessons, f (Brann MO 10/3)  
7160 ALBANIA R Tirana in EG 0130, polit nx re Parliament, ID (Newbury NE 9/20, Trescher PA 9/11)  
7175 ERITREA V of the Broad Masses of Eritrea in AR \*0325, guitar mx w/short echo ancmts, clear ID "Huna Asmara", tlks in AR, very strong sig, probably at full 100 kw power (Hill MA 10/16)  
7190nf TURKEY V of Turkey in EG 2225, "Ex Libris"—modern TK woman novelist, f (Fraser MA 9/13)  
7200 SUDAN Repub of Sudan Radio in AR \*0300, NA, ID, recitations, nx pgm, g (Brann MO 9/22)  
7205 CYPRUS Cyprus BC Corp in GK 2244\*, tlk, lcl mx, weekend sked, //9760, 6180 (Alexander 9/11)  
7285 POLAND Polish R Warsaw in EG 2025, tlk, instr mx, heavy ham QRM, //9525 (Costello NJ 10/10)  
7305 VATICAN STATE VR in EG 0300, tlk on avoiding abortion & euthenasia, g (Newbury NE 9/20)  
7345 CZECH REPUBLIC R Prague in EG 0015, Prague not upset by Clinton's misdeeds (Newbury 9/23)  
7410 INDIA AIR Aligarh in EG 2155, Hindu folk mx, ID, pgm sked, nx, QRM (Mills BWI 10/4)  
7415nf USA WBCQ Monticello, ME in EG 0650-0703\*, country mx, ID at s/off, exc (Witham HI 10/2)  
77459nf PERU R Cristal in SP 1057, OA pop mx, ID's, songs, "Cris Radio", g (Brann MO 9/5)  
9165nf AZERBAIJAN V of Azerbaijan in Azeri? \*0214, IS of about 12 notes repeated, into tlk & mx, audio very low and tough QRN, hrd again abt 1700, variously listed as V of Azerbaijan, R Dada Gorgud, R Azerbaijan, R Baku/Baki (Hill MA 10/10) in lang/EG/RS 1646 w/nx & regional mx, nx in EG 1700, into RS 1730, p (Tilbury AK 10/5) in unident lang 0257 (Strain NJ 10/7)  
9430 SWEDEN R Sweden in EG 2147, interview re obesity, "Radio E" pgm, QTH (Mills BWI 10/3)  
9440 SLOVAKIA R Slovakia Int in EG 0124, nx, ID, IS, s/off anmt, //7300, 5930, g (Ross ONT 9/22)  
9475 EGYPT R Cairo in EG 0200, ID, ME instrum mx, garbled speech re UN (Newbury NE 9/20)  
94897 ABKHAZIA Abkhazia R Sukhumi in lang \*0328, IS played twice, brass band NA, ID, ancmts, nx in lang, short piano clips, long interview, f-p (Clark ONT 9/10, Sgrullatta NY 10/13)  
9525 INDONESIA RRI Jakarta in IN 1150, island mx, ID, IS on hr, nx, lagu pops (Kohlbrenner PA 9/16)  
9525 POLAND Polish R Warsaw in EG 2024, tlk, instrum'1 mx, weak+QRM, //7285 (Costello NJ 10/10)  
9580 BOSNIA R Yugoslavia relay in EG 0000, IS, ID, lcl nx (McGuire MD, Trescher PA, Newbury NE)  
9590 USA BBC relay Delano, CA in EG 0000, coverage of Clinton tapes & related nx (Newbury 9/22)  
9600 ASCENSION ISLAND BBC relay in EG 0400, rpt on econ crisis in Russia, g (McGuire MD 9/9)  
96301 BRAZIL R Aparecida in PT 0852, male vcl, weak sig but clear, //6135 (Ziolkowski NY 9/15)  
96304nf CHILE Voz Christiana in SP 2310+, pop/rock mx, relig tlk & contemp Christian mx, ID at 0000, bad het from R Aparecida, //215499, also // on 11690 at 0520 (Ziolkowski NY, Alexander PA 9/19)

- 9655 AUSTRIA RAI Vienna in EG 0030, cmntry on organ transplants in Austria, g (Pasquale PA 9/7)
- 9660 AUSTRALIA RA in EG 1345, Commonwealth Games update, live action, exc (Brann MO 9/20)
- 9660 FRENCH GUIANA R Japan relay in JP/SP 0359, cmntry, TP, ID in SP, //11895 (Humenyok ONT)
- 9665 ASCENSION ISLAND R Japan relay in EG 0048, tlk on Japanese foreign policy (Ross ONT 9/29) in EG 0047, pgm on Japan's financial system, "Business Focus", vcl mx (Mills BWI 10/3)
- 9680 THAILAND R Thailand in FR/EG 2017, IS, ID in FR, into EG pgming, f (Ross ONT 9/19) tlk in GM 2014, followed by s/off with bell IS and ID in EG 2016 (Costello NJ 10/10)
- 9680 INDONESIA RRI Jakarta in IN 1253, pgm hosted by duo, mx, ID's, abrupt off 1259 (Brann 10/4)
- 9685 JAPAN R Japan Tokyo in JP 0910, tlk in JP, p, //9835, 11740, 11815, 11850 (Ziolkowski NY 9/15)
- 9565 INDIA AIR Panaji in Tibetan \*0129-0200\*, trumpet fanfare, Tibetan instrmls, strong but overmod signal way over co-channel Brazil, //11900 fair, sudden sign off with some f/o (Clark ONT 10/12)
- 97042 ETHIOPIA R Ethiopia Gedja in lang 0410, primitive instrml mx, f-g, //7110 (Clark ONT 9/12)
- 97049 MEXICO RMI in SP/EG 1340, mellow Mex mx, sports rpt, ID in SP/EG (Brann MO, Krause 011)
- 9730 FRENCH GUIANA China R Int relay in EG 0400, IS, ID, natl/econ nx (McGuire MD, Ross ONT)
- 9736 PARAGUAY R Nacional in SP 1017, mellow pop mx, "Simbolis Nacional", ID's (Brann MO 9/5)
- 9820 CUBA R Havana in EG 0300, Castro promises to aid victims of Hurricane George (Newbury 9/24)
- 9855 GERMANY R Vilnius Lithuania relay in EG 0030, pgm re Lith integration into the Western Energy System, ID, fgy, QTH, rpt on Russian econ crisis (Mills BWI, Pasquale PA, McGuire MD)
- 9925 GERMANY Croatia R relay Julich in EG/CR 0200, national & regional nx, ID, into nx in CR after EG which is featured each hour of their xmsns at the top of the hour (McGuire MD 9/21)
- 9930 HAWAII KWHIR Naalehu in Mandarin 1212, relig tlk, bridge mx, lite jamming (Humenyok ONT)
- 9945 CHINA CRI Xi'an in EG 1325, nx, pgm on developing nations, ID's (Brann MO 9/20)
- 9965 ARMENIA V of Armenia in EG/lang \*2014, ID, piano IS, sked, nx in EG, mx & vcl selections, mailing address, audio muddled plus noise, p (Alexander PA, Ziolkowski NY, Ross ONT)
- 99752v NORTH KOREA R Pyongyang in RS \*0900, IS, ID "Govorit Pyyongyang", tlk, f (Ziolkowski 9/3)
- 11540 SOUTH AFRICA R Kudirat Nigeria relay in EG \*1900-2000\*, ID, NA, lcl Afro pops/folk mx, lcl nx in EG, some Vern tlk, s/off w/NA, p, QRN, 6205 not heard, Sat only (Alexander PA 9/12)
- 11600 SEYCHELLES FEBA in EG 1542-1559\*, sermon, ID, Bangalore address, IS, f-p (Hill MA 10/13)
- 11605 ISRAEL Kol Israel in EG 2015, rpt on the Israel-Palestine agreement, g (Fraser MA 9/13)
- 11620 INDIA AIR Delhi in EG 2130, "Quiz Time" w/questions related to India, sked, Indian mx, nx, g (Montgomery PA 9/26, Pasquale PA 10/3, Trescher PA 9/11)
- 11625 VATICAN STATE Vatican R in EG 0529\*, African nx, Vatican nx, tlk re Pop's involvement in Kosovo situation, IS (Tilbury AK 10/9) in EG 2118, nx to Africa, ID, features (Krause OH 9/12)
- 11690 CHILE Voz Cristiana in SP 0401, ID, relig pgm, inspirational mx, exc (Tilbury AK, Brann MO)
- 11690 JORDAN R Jordan in EG 1520, contemp ME mx, tlk re lcl history, nx, fgy, ID (Tilbury AK 10/12)
- 11705 CANADA R Japan relay in EG 0002, nx on JP loans to China, cmntry (Newbury NE, Trescher PA)
- 11705 BRAZIL R Nova Visao in GM 2300, EG ID for "Radio Transmundial" (a relay from R Nova Visao) interview of EG speaking missionary, rel ig mx, f, //9530 (Kohlbrener PA, Ziolkowski NY 9/19)
- 11705 SRI LANKA VOA relay in EG 0100, ID, IS, "VOA News Now", //15250 (Mills BWI 10/3)
- 11735 URUGUAY R Oriental Montevideo in SP 2245-2325\*, soccer best, good level until R Norway s/ on at 2258 mostly covered xmsn (Clark ONT 9/27) hrd w/sports tlk 0005 above RNI (Ziolkowski 9/20)
- 11790 INDIA AIR Bangalore in Sindhi 0110, local mx, tlk by OM, co-chan Romania (Costello NJ 10/16)
- 11790 ROMANIA RRI Bucharest in SP 0110, tlk by OM, ID's, co-channel w/AIR (Costello NJ 10/16)
- 11810 PORTUGAL D Welle relay in EG 0116, nx, "Inside Europe", "Insight", vg (Brann MO, Ross ONT)
- 11830 BRAZIL R Anhanguera in PT 2325, sports coverage, brief mx, ad, jingle, f (Kohlbrener PA 9/15)
- 11835 SRI LANKA SLBC in EG 1054, nx, ID's, Billy Graham pgm, p (Brann MO)
- 11855 INDIA AIR Panaji in Hindi 0340, nx?, sub-cont chorus, QRM, //15075, 15180 (Clark ONT 10/12)
- 11860 SINGAPORE R Japan relay in EG 0105, nx, mailbag, JP song svce (Clark ONT 10/12, Costello NJ)
- 11870 YUGOSLAVIA R Yugoslavia in EG 0430, IS, ID, nx, covering BSKSA, g (Witham HI 9/26)
- 11900 SOUTH AFRICA Channel Africa in Swahili \*1555, 5 min of bird chirping IS until 1600, ID's in EG and Afrikaans, into Swahili tlk by OM, f-g (Tilbury AK 10/7)
- 11905 NEW ZEALAND RNZI in EG 0530, interesting spec pgm commemorating 50 yrs of SW besting & formation of the NZDX League, vg despite major geomagnetic storm (Clark ONT 9/25)
- 11905 SRI LANKA SLBC in Hindi 0032, YL in lang hosting local mx segments (Costello NJ 10/13)
- 11935 JORDAN R Jordan in AR 0007, M East mx, radio drama, nx, ID's, exc (Brann MO 9/21)
- 119547 ANGOLA R Nac de Angola in PT 2150-2250, mx at tune-in, 4 pips & ID 2200, nx, PT & EG pops including a half hour of Diana Ross mx, f (Kohlbrener PA 9/13)
- 11970 TURKEY V of Turkey Ankara in TK 2346, cmntry by YL, mx, //9445, 9460 (Humenyok ONT)
- 11970n? MALI R China Int relay in Hausa(p) 1750, lang lesson, mx, ID, //15125, g (Witham HI 9/21)

- 11975 SAO TOME VOA relay in EG 2225, "VOA News Now", ID, QRM from CRI (Mills BWI 10/5)
- 120195 VIETNAM V of Vietnam in FR 2158, signing off at 2200 (Strain NJ 10/6) in VT 1754, Oriental melody at 1800, into EG with ID, pgm preview, nx, moderate signal but choppy (Hill MA 10/13)
- 12065 MADAGASCAR R Nederlands relay in IN 1308, phone interview, exc (Humenyk ONT)
- 12090 UZBEKISTAN R Nederlands relay in EG 0100, "Media Network", //6020, p (Humenyk ONT)
- 13675 UNITED ARAB EMIRATES R Dubai in EG 0330, ID, world nx, wx forecast, station QTH, pgm re Arab jewels (McGuire MD 9/18, Brann MO 8/31)
- 13700 INDIA AIR Bangalore in EG 1124, nx, ID, fair but clear, //15770, 17860, 15075 (Ziolkowski 9/13)
- 13710 RUSSIA R Nederlands relay Irkutsk in EG 1112-1125\*, tk, by YL, ID, QSB (Ziolkowski NY 9/12)
- 13800 BELGIUM R Vlaanderen in FR 2147, nx about problems in Kosovo, S Amer svce (Strain NJ 10/6)
- 15120 NIGERIA V of Nigeria in EG 1600, nx, droning econ & oil exploration tkcs, f (Tilbury AK 10/12) in EG 1830, African mx, talking drums IS, ID (Rippel VA 10/7) in EG 1924, drama pgm, tkcs by YL (Mills BWI 10/4) in EG 2000, ID, nx re night time curfew, g (Humenyk ONT)
- 15135 CHINA CRI Kunming in lang 1124, ID's, QTH, CH mx, signal fair-fluttery (Ziolkowski NY 10/4)
- 151501 INDONESIA RRI Jakarta in IN 1122, pop rx w/DJ, weak but clear, //9680 better (Ziolkowski 9/6)
- 15170 FRENCH POLYNESIA RFO Papeete Tahiti in EG 0235, island mx, ad (Costello NJ 10/12)
- 15175 BULGARIA R Bulgaria in EG 1106, nx, ID, very weak but clear (Ziolkowski NY 9/7)
- 15210 FRANCE RFI in EG 1649, "Arts in France", mailbag, nx re African developments (Krause OH 9/7)
- 15220 ANTIGUA BBC relay in EG 1300, "Newshour", Clinton TV testimony (Newbury NE 9/21)
- 15220 NORWAY RNI in EG 2020, final edition of "Listener's Corner" after 46 yrs (Newbury NE 9/27)
- 152302 NORTH KOREA R Pyongyang in EG 1114, muddled tk, ID, p, //1335, 9975 (Ziolkowski NY 9/7)
- 15235 LIBYA V of the Great Arab Homeland, Sabrata in AR 2220, AR mx, tkcs, signal strong but audio very bad, //15435, 15415 weaker but better audio (Tilbury AK 10/6)
- 15250 ROMANIA RRI Bucharest in EG 1736, ID, "Listener's Letterbox", f (Ross ONT 10/8)
- 15260 PHILIPPINES VOA relay in EG 1428, results of Miss America contest, //9760 (Newbury NE 9/20)
- 15260 IRAN VOIRI Teheran in EG 1114, Iranian mx, nx, ID, f, poor audio (Brann MO 9/12)
- 15280 THAILAND BBC relay in EG 1245, tk on Nobel Prize, p-f, //9740 (Ross ONT 9/26)
- 15325 BRAZIL R Gazeta in PT 0102, Braz pop mx, interview, ID's, p (Brann MO 8/31)
- 15340 NORWAY RNI in EG 1610, last of RNI's Sunday xmsn in EG since the Norwegian govt will no longer sponsor the funding (Ross 9/20, Newbury 9/20) ED: Only 1/2 hr program per week! One wonders what RNI does with the funds they get for relaying R Denmark programs..
- 15340 NORWAY R Denmark relay in DN 1630, much tk re Milosovich, Yugoslavia (Pasquale PA 10/3)
- 15345 ARGENTINA R Nacional in SP 0101, nx, many ID's, ads, preview, vocals, mention of Buenos Aires, fair signal, in the clear but fluttery (Ziolkowski NY 9/28, Brann MO 10/4)
- 15390 ASCENSION ISLAND BBC relay in EG 2126, "Caribbean Report", nx, g (Ross ONT 9/25)
- 15395 UNITED ARAB EMIRATES R Dubai in EG 1600, "Arabs in History" pgm, f (Pasquale PA 10/3)
- 15410 MOROCCO VOA relay in EG 1859, nx re U.S. Embassy bombings in Africa, g (Humenyk ONT)
- 155223v BANGLADESH R Bangladesh Home Svce in Bengali? 1235-1250 & 1345-1355, tk by YL, sub-cont vcls, very low audio, mostly blocked at 1355 by R Ukraine s/on on 15520 (Clark ONT 9/20)
- 15635 AUSTRALIA Australia Defense Forces R in EG 0415, DJ playing pop rx, QRM (Witham HI 9/22)
- 17735 ECUADOR IICJB Quito in EG 1935, "Ham Radio Today"--best from hosp bed (Fraser MA 9/23)
- 17835 JAPAN R Japan Tokyo in EG 0151, Japan's aging population increasing (Newbury NE 9/22)
- 17850 FRANCE R France Int in EG 1642, "Press Clippings", arts in France, ID, f (Krause OH 9/7)
- 17885 ASCENSION ISLAND R Telefis Eireann, Ireland relay in EG 1735, vocals, wx rpt for Ireland, ancnmts, f (Witham HI 9/20)
- 21470 CYPRUS BBCWS relay in EG 1543, English lesson, tk on women in Africa (Krause OH 9/20)
- 21740 AUSTRALIA ABC Shepparton in EG 2215, tk on how cheap heroin is in Australia, cmntry on Pakistan cricket scandal, S8 signal to 0000 (Sgrulletta NY 10/14)

## Clandestine, Tentatives, Presumed, or Unknown

- 6090 CHILE R Esperanza(p) in SP 0952, tk by 2 OM, ment Santiago, mx bridge to ancnmts, then wiped out by splatter from 6085 s/on at 1000 -WYFR? (Ziolkowski NY 10/5)
- 61536 INDONESIA RRI Biak(p) in IN 1030, probably this station with moderate carrier but covered by slop from 6150. Could be reactivation of Biak which has been off since 12/97 (Clark ONT 9/15)
- 9665 BRAZIL R Marumbi(p) in PT 2140, very emotional tk by YL preacher?, piano mx with voice over IS? 2159, into national nx feed, sig very weak but clear (Ziolkowski NY 9/25)
- 13820 CLANDESTINE (Myanmar) Democratic V of Burma in Bamar? 1243, exotic flute solo, local mx, patriotic tk in land, fair level but echoey with a noticeable delay of abt 1/2 second from the Juelich, Germany xmtr on 15330. The 13820 outlet is said to emanate from Tajikistan (Hill MA 10/12)

# Company Store

Dan Cashin  
1335 Harrington Rd  
Havertown, PA 19083

All s/h charges for the following items are included unless otherwise noted. Write for shipping and handling costs for orders shipped outside N. America. Please note the new proprietor and address.

## Publications

<i>Transmitter Documentation Project (TDP)</i> A result of 10 years of research by DXer Ludo Maes, the TDP presents 80 pages of info listing SW broadcast tx'ers worldwide arranged by country with station name, tx'er site, geographical coordinates, callsign and more	\$10.00 US \$13.00 worldwide
<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
<i>Secrets of Successful QSL'ing</i> by Gerry Dexter. The complete guide to Reception Reports and QSL collecting. Going out of print! Get it while you can. 125 pages.	\$12.95 +1.00 s/h
<i>Limited Space Antenna Solutions</i> by Frank P. Hughes. Covers the random wire, dipole, vertical, outdoor, loft and indoor antennas, antenna tuners, and grounds.	\$13.00 +1.00 s/h
<i>Inside Your Shortwave Radio</i> by Ted Benson. Companion to your receiver's instruction manual, filling in what your manual leaves unclear.	\$13.95 +2.00 s/h
<i>NASWA Country List and Awards Program Booklet</i>	\$3.00 PP US \$5.00 elsewhere
<i>The System</i> Masters for Log Book, QSL Reports, Program Notes, and QSL Log.	\$2.00
<i>Propagation Predictor</i> Divides the year into 27-day segments for tracking solar patterns.	\$3.00
<i>Spectrum Log</i> Covers Tropical and International bands.	\$8.50
<i>NASWA Reprints Catalog</i> A catalog of 800+ pages of info available from past NASWA issues.	\$3.00
<i>Joe Carr's Receiving Antenna Handbook (Currently out of stock)</i> A complete guide for high performance antennas from longwave all the way to the upper end of the shortwave spectrum.	\$19.95 +2.00 s/h
<i>QSL Signers</i> by Al Quaglieri. This is the most comprehensive and up-to-date list of verification signers names, titles, and addresses available anywhere!	\$3.00 PP NA \$5.00 elsewhere
<i>Language Lab</i> by Gerry Dexter et al. Guides to reception report writing. Editions available for French, Portuguese, and Indonesian. When these are gone, they're gone for good! Tiare Publications.	\$12.00 Each +1.00 s/h
<i>Tapes: Interval Signals from Africa, Asia, or Europe:</i> by Harold Hausenfluck, "Hausie"; WB4JSP: Each tapedigitally mastered approx 90 minutes of ID, Interval Signal & program detail. Asia contains 23 countries/32 stations; Africa contains 20 countries. Excellent job!	\$11.00 PP eaUS \$13.00 elsewhere

Make checks payable in U.S. funds to "The NASWA Company Store."



North American Shortwave Association  
45 Wildflower Road  
Levittown, Pennsylvania, 19057

First Class Mail  
U.S. Postage  
PAID  
Levittown, PA  
Permit No. 319

## FIRST CLASS MAIL



ISSN 0160-1989

The Journal of the  
North American Shortwave Association

**Executive Director:** Richard A. D'Angelo, 2216  
Burkey Dr., Wyomissing, PA 19610

**Publisher / Business Manager:** Bill Oliver, 45  
Wildflower Road, Levittown, PA 19057

**Executive Council:** Jerry Berg, Ralph Brandi,  
Bob Brown, Dr. Harold Cones, Rich D'Angelo,  
Kris Field, Bill Oliver

### EDITORIAL STAFF

**Managing Editor:** Dr. Harold Cones, 2 Whits  
Court, Newport News, VA 23606

**Desktop Publishing/Graphics:** Ralph Brandi,  
6 Juneau Court., Tinton Falls, NJ 07712

**Shortwave Center:** Hans Johnson, 206-A South  
Loop 336 West #231, Conroe TX 77304

**Easy Listening:** Richard Cuff, 1016 Chestnut  
Ridge Drive, Timonium, MD 21093-1716

**Listener's Notebook:** Al Quaglieri, P.O. Box  
888, Albany, NY 12201-0888

**Technical Topics:** Joe Buch, N2JB, P.O. Box  
1552, Ocean View, DE 19970-1552

**QSL Report:** Sam Barto, 47 Prospect Place,  
Bristol, CT 06010

**Distributing Editor:** Fred S. Kohlbrenner, 2641  
S. Shields St., Philadelphia, PA 19142

**Tropical Band Loggings:** Sheryl Paszkiewicz,  
P.O. Box 152, Manitowoc, WI 54221-0152

**International Band Loggings:** Wallace C.  
Treibel, 357 N.E. 149th St., Seattle, WA 98155

**Net Notes:** Tom Sundstrom, W2XQ P.O. Box 2275,  
Vincentown, NJ 08088-2275

**Scoreboard:** Jerry Lineback, 220 West Third,  
Garnett, KS 66032

**NASWA Awards:** Dr. Harold Cones, 2 Whits  
Court, Newport News, VA 23606

**English Schedules:** Mark J. Fine, 11252  
Cardinal Drive, Remington, VA 22724-2032

**Listener's Library:** Skip Arey, WB2GHA  
P.O. Box 644, Waterford Works, NJ 08089

**Destinations:** Don Moore, 11434 140th St.,  
Davenport, IA 52804-9538

**Equipment Reviews:** Alan Johnson, N4LUS  
2490 Sharon Way, Reno, NV 89509

**The Company Store:** Kris Field, 705 Gregory  
Dr., Horsham, PA 19044

### MEMBERSHIP FEES:

United States (First Class Mail) .....\$26.00

Canada & Mexico (First Class Mail) .....\$27.00

Overseas (ISAL Mail):

Central & South America and Europe .....\$30.00

Asia, Africa and Pacific .....\$32.00

Overseas (Air Mail):

Central & South America and Europe .....\$36.00

Asia, Africa and Pacific .....\$42.00

All remittances must be in U.S. funds and mailed to:

**NASWA**  
45 Wildflower Road  
Levittown, PA 19057  
U.S.A.



NASWA: <http://www.anarc.org/naswa/>