

**NASA**

the  
**JOURNAL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

VOLUME XXXIV NUMBER 1

JANUARY 1999



**BUCURESTI**  
Str. Gen. Berthelot 60-62  
Tel./Fax: (40)-1-2232613

**E-mail: [rri@radio.ror.ro](mailto:rri@radio.ror.ro)**

# Quality Communications Equipment Since 1942

## DRAKE

### SW-2



- Full Coverage
- LW/MW/SW
- Sync. Detect.
- AM/LSB/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)



The new Icom R2 is a miracle of miniaturization. At only 2.3"x3.4"x1" it is packed with features. The R-2 is especially big on coverage, tuning from 500 kHz to 1310 MHz (less cellular) in AM/FM/FM-W. Its triple conversion circuit provides amazing performance for the size. It has 400 channels of memory, scanning at 30 chan. per sec. The other thing that is small about the R-2 is its price! Includes: two NiCad AA cells, charging tray, flexible antenna, wriststrap and beltclip. Order #2488 \$229.95 (+\$5)

## 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.

The American made Universal M-8000V7.5 offers the professional or hobbyist sophisticated capability.



Modes include: CW, Baudot, FAX, SITOR, ARQ-M2/M4, ARQ-E/E3, ARQ6-90, ARQ-S, SWED-ARQ, FEC-A, FEC-S, POL-ARQ, GMDSS, ASCII, Packet, Pactor, Piccolo, VFT and ACARS. The color VGA output includes a spectral display and simulated scope. Printer & monitor optional. #0775 \$1399.00 (+\$12)

The self-contained Universal M-450V1.5 decodes: Baudot, SITOR, FEC-A, ASCII, SWED-ARQ and Weather FAX (to the printer port) plus the ACARS aviation teletype mode, DTMF, CTCSS and DCS is also supported. Features a big two-line, 20 character LCD and bi-directional parallel port. The M-450V1.5 operates from 12 VDC or with the supplied AC adapter. No computer or monitor is required. Now with serial port. #0450 \$399.95 (+\$8)



### WIND-UP

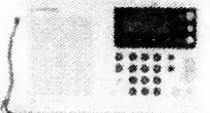


The BayGen FPR-1 Freeplay radio combines the ingenious Baylis generator with the latest in radio technology. Winding the handle for 20 seconds provides 30 minutes of listening. Here is assured radio performance, day or night without the worry (and expense) of batteries. The analog dial covers AM, FM and SW from 3 to 12 MHz. Made in South Africa. #3123 \$99.95 (+\$7)

The smaller Freeplay FPR-2 model covers just AM & FM. #3667 \$69.95 (+\$6)  
The Freeplay FPR-2SM is gray, AM & FM with solar cell. #2413 \$79.95 (+\$6)  
The Freeplay FPR-2SC is clear, AM & FM with solar cell. #1441 \$79.95 (+\$6)

## GRUNDIG

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 worldband portable! List \$249.95 Order #0400 \$199.95 (+\$8)

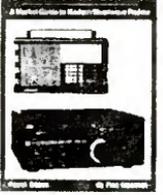


Get a free Lucite stand with your YB-400PE

NEW  
● Buying A Used Shortwave Receiver  
New Fourth Edition!

Buying a used shortwave radio can provide great savings if you have the facts. This affordable market guide features the top 100 most sought after portables and tabletops produced in the last 20 years. Each radio entry includes: photo, specifications, new and used values. #0444 \$5.95 (+\$2)

● Buying A Used Shortwave Receiver  
A Market Guide to Modern Shortwave Portables



● Shortwave Receivers Past & Present Third Edition  
This huge 473 page guide covers over 770 receivers from 98 manufacturers, made from 1942-1997. Entry information includes: receiver type, date sold, photograph, size & weight, features, reviews, specifications, new & used values, variants, value rating & availability. 840 Photos. Become an instant receiver expert! #0003 \$24.95 (+\$2)

● Shortwave Listening Guidebook 2nd Ed. By H. Helms  
This noted author provides understandable information on all aspects of shortwave listening. #2804 \$19.95 (+\$2)

● Passport To World Band Radio 1999 Edition  
Everything you need to know about when and where to hear the world! The #1 SW guide. #1000 \$19.95 (+\$2)

● Pirate Radio By A. Yoder With audio CD!  
Here is the incredible saga of America's underground illegal broadcasters (with audio CD). #3038 \$29.95 (+\$2)

● Worldwide Aeronautical Frequency Dir. By R. Evans  
The definitive guide to commercial and military, HF and VHF-UHF aero. communications. #0042 \$19.95 (+\$2)

● Discover DX'ing! By J. Zondio New Second Edition!  
Hear distant AM, FM and TV stations #0018 \$5.95 (+\$2)

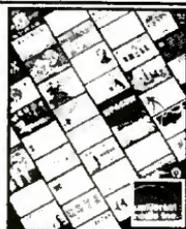
● Comprehensive Guide to Military Monitoring  
Here is the information you need to monitor HF, VHF and UHF military comms. 280 Pgs. #3301 \$19.95 (+\$2)

\* Please add \$2 per title for surface shipping.

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 Communications Equipment Since 1942

# NASWA Notes

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

It's the beginning of another calendar, which should be chock full of great DX. Let's make sure we report what we are hearing to the Log Report in order to make that section as valuable as possible to the membership at large.

Our friends up north are having another DX Camp on April 9-11, 1999 at the Lake St. George Conservation Field Centre, north of Toronto. Check out this month's Calendar of Events for additional details.

Here are the results of the 1998 AWR DX contest from Adrain Petersen: "Over 400 reception reports were received in the 1998 AWR DX contest from listeners submitting entries for the "World's Largest QSL". This year's winner is Hans Godschan of Cottbus in Germany and he will receive the 1998 Bronze Medallion. Twenty eight listeners submitted entries." Additional Continental Winners in this year's contest were: Asia—Takuji Sahara, Japan; North America—Wendel Craighead, USA; South Pacific—Brian Webb, New Zealand; Latin Americas—Ivan Lopez Alegria, Mexico; and Africa—David Gordon, South Africa. The DX contest for the year 2000 will be based upon the number of different QSL stamps in the listener's collection.

Finally, another brief reminder that my new

## 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 N1DK, Bill WA2DVU, and Al NN2U 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/Radio/SWL\\_Net/swl\\_net.html](http://www.trsc.com/Radio/SWL_Net/swl_net.html)>. 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.

e-mail address is [rdangelo3@aol.com](mailto:rdangelo3@aol.com). Please use it for all NASWA correspondence. My old address is no longer in use.

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

## Welcome to the following new NASWA members

R A DuBois, Tallahassee, FL  
Daisuke Endo, Kamakura, JAPAN  
Steve Kennedy, McEwen, TN  
Steve Kipp, West Palm Beach, FL  
Jerry Klinck, East Aurora, NY  
Kenneth W Lieber, Norwood, MA

Don-David Lusterman Ph.D, Baldwin, NY  
Harvey Niswonger, Mt. Morris, MI  
Alvin Norell, Glendale, CA  
Errol O'Brien, Chicago, IL  
G W Pratt, Tampa, FL  
Ray B. Tantlinger, Hunker, PA

Our Motto is - "Unity and Friendship"

## Calendar Of Events

- Jan 15 Meeting. Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 610-446-7831.
- Jan 15 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/>>.
- Feb 12 Meeting.** The Tidewater SWL's meet at 6:30 PM. For more information plus meeting location contact Joe Buch at joseph.buch@dol.net
- Feb 12 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>>
- 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 DX Camp.** The Ontario DX Association will be sponsoring a **Spring 1999 DX Camp** at the Lake St. George Conservation Field Centre, located only 30 minutes north of Toronto. There are numerous ways of obtaining additional information: (1) visit <http://www.durhamradio.ca/odxa/> for details, (2) e-mail Harold Sellers at [dxontario@compuserve.com](mailto:dxontario@compuserve.com), (3) write to ODXA, P.O. Box 161, Station A, Willowdale, Ontario M2N 5S8, and (4) telephone Harold Sellers (905)853-3518.
- 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: [rdangelo3@aol.com](mailto:rdangelo3@aol.com)) or Ralph Brandi (Internet: [ralph@mcs.com](mailto:ralph@mcs.com)).

## Contribute!

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

## Musings

*This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are are soley those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email: rdangelo3@aol.com.*

**Robert E. Gearing II** <gearing@bellsouth.net>

I wanted to compliment the NASWA and all the people who work so hard to make this a great organization. Also the Journal is a wonderful tool for keeping up to date with the world of shortwave radio. I have been DXing in earnest for the last 3 years and am the holder of the DX Centurion award and last year I finished 2nd in the North American DX Championships. Lately I have begun to QSL ham radio operators because of the poor response rate from the international broadcasters. To my surprise, the response has been tremendous. I have gotten QSLs from places like Svalbard and Norfolk Island and Mauritius today. Most of the amateurs have responded quickly and have written some very nice letters. This QSLing has certainly added a human dimension to the hobby. Has there ever been any thought of including ham verifications toward various awards? This thought occurred to me the other night and I thought I would ask the question. Might there be a new class of awards for ham verifications? Keep up the great work in the future. Bob Gearing

**Bob Fraser, P. O. Box 174, Cohasset, MA 02025-0174**

I read Joe Buch's letter in the December Journal and his idea for a "Mute-On-Keyword" idea. I have a simpler solution. My radio has both a tuning button and an off button and they are used quite often to escape the garbage he complains about. Perhaps he believes as I do, that few people seem to realize what the off button is for.

Possibly this is a reason why youths are falling away from short wave radio but I point out that you can hear exactly the same stuff on any AM talk radio station. As for kids, all I hear them listening to are FM pop music stations. Only the old-timers seem to care about talk radio.

Joe might be belittling the world's youth. I feel that they will do as I did, after listening for a while, one becomes inoculated against this type of programming. Back when I started SWLing in 1973, I had an analog radio and used these loud "Christian" stations as markers to make my read-outs of other more interesting stations' frequencies more accurate.

Back then, these stations used the soft-sell and were far from aggravating as they are today. Unfortunately, one of my favorite stations still, HCJB, may be tarred by the same brush. I don't know how to curb such programming for it does give foreigners the wrong idea about us and I feel that it ends up giving us a lot of problems we should never have.

What really upsets me in SWLing is hearing some top U.S. tune on foreign stations. I haven't found the words yet to ask them why should I spend megabucks for a good SW receiver, risk my neck setting up an antenna system, just hear the same music I can hear from a local station on a \$3 portable. I want to hear your songs, not mine.

I am enclosing for your interest a couple of letters that were included in the packet from Marbian Productions International (in case no one else has already sent them). Another sad

incident in SWLing. SWLing is still good and interesting despite these troubles. (Marbian began shipping schedules to listeners in September 1995 but could not attract enough broadcast stations to the project to make it worth while. The project was discontinued in November 1998 –RAD)

Finally, I wish everyone there at NASWA a very Merry Christmas and a most Happy 1999 with a lot of good Dxing.

73, Bob

**Peter Bowen, <pbowen3@netscape.net>, 804-95 High Park Ave., Toronto, On. Canada, M6P 2R8**

In the "Easy Listening" column in the December Journal, Richard Cuff offered some comments about the possible place of shortwave and Internet radio programs in future editions of the column. He then suggested that readers respond to those comments via a "Musing". OK, here's my contribution to the debate.

Because the "Easy Listening" column is devoted to programming, that should obviously be its focus. However, because the column is part of the publication of the North America Short Wave Association, the programming discussed in the column should be that found on shortwave. The programs that are discussed can, in general, come from any medium that the editor and contributors choose, as long as those programs are also found on shortwave. I say "in general" because some programs broadcast via media other than shortwave (e.g., those on WRN) may be edited or otherwise changed from their regular shortwave manifestations. The degree of editing that is acceptable, and the degree that is unacceptable, is a choice for the editor to make.

All of this of course means that the column will be able to discuss programs not usually heard here in North America. This is fine by me, and I say this for three reasons: 1) NASWA has members in countries other than the U.S. and Canada, and so to discuss programs which those listeners may be able to easily hear seems quite logical. 2) Because of the nature of the shortwave medium, we occasionally hear programs in North America that are normally not available to us. We may thus be able to listen to those programs covered in the column which are not normally heard here. 3) The analysis and discussion of programs not usually heard here will, I hope, be useful in helping us to better understand those that are available here.

I agree with Richard's view, as expressed in the December column, that the message is more important than the medium, i.e., that the programs themselves are more important than the means by which we hear them (at least, for the purposes of his column!). And because of that, I welcome the advent of new and different means of delivering those programs to me. Because I focus on the content of the programs, the method of delivery is secondary. For example, I look forward to the day when we will have digital AM/SW, with affordable receivers to access that medium.

On the other hand, like many others in the hobby, I have a real attachment to radio itself—one might almost describe it as a love-affair, and a life-long love-affair at that. That's why "radio" via the Internet (although it may in time provide excellent quality sound, with no fading, static, SIDs, etc.) is not something that interests me in the least. Rather, I will always remain attached to that little box that allows me to listen to voices from all over the world. It is, as Harry Helms admirably states in the Preface to his Shortwave Listening Guidebook, "a magic box".

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

Our second Dxpediton to French Creek State Park is now history. Fred Kohlbrenner, Bob Montgomery, Ed Mauger and I enjoyed an unusual Sunday through Wednesday stay (this may become the standard visit based on this trip). Fred and Bob were already at the cabin when I arrived at 1415 local on Sunday. Since we can't get into the cabins until 1500, setting up antennas became the first order of business. After we were settled in the cabin doing some listening, Ed arrived. After unpacking Ed ventured into the woods after sunset to put out 300 meters of wire. He was gone for a long time when I asked Fred how long we should wait until beginning a search. Fred thought the search could wait until morning! Fortunately, Ed showed up in a few moments so I didn't have to find out if Fred was serious or not.

Arriving on a Sunday meant we were essentially alone in the park. We were the only cabin, there are 10 cabins, that was occupied. Not having to worry about noise emanating from an adjacent cabin is a real plus. However, we did see some hunters prowling for deer close to our cabin.

The first 24 hours featured good, but not exceptional, conditions although I closed out the first morning with an armchair copy log of Radio Enga around 1230 UTC. Not bad considering it was light at the time. Shortly thereafter, Bob had to pack it in - he could only stay the one night. We knew it was Bobs' antenna, not Bob, that would be missed.

Conditions were better than average. I was pleased with an extensive log of Azad Kashmir Radio on 4790.4 kHz via Islamabad transmitters. Our most frustrating log was Radio Miskut which failed to identify itself in 90 minutes of listening including a sign off without that simple courtesy. Indonesians were sparse but we did manage 3 or 4 of the usual suspects. For me there were three major highlights of the trip: (1) a solid log of Radio Enga; (2) a 74 minute log of Azad Kashmir Radio via Islamabad; and (3) an incredible Latin opening on Wednesday morning (Dec. 16). The Latin stations were wall to wall. You couldn't be everywhere at the same time.

This location is looking better and better. I suspect we will probably do most of our future Dxpeditons at this location. Gifford Pinchot could be history. Only time will tell!

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

The club's publicity director, Hank Michalenka, informed members that Radio Cook Islands was scheduled to air a courtesy program for NASWA members on February 18, 1974. Ed Shaw took over the editorship of the Shortwave Center. Included in the SWC was a report on a Dxpediton to Red Oak by Shaw, Dan Ferguson and Steve Estes; photos of Diane Levesque and Chuck Rippel; and a profile of RRI Ujung Padang by Slamet Poejono, the station director. Larry Magne's Clandestine Bulletin column carried a report about Radio Clandestine appearing on shortwave. Listeners Notebook carried a 2-page Russian language reporting guide prepared by Rumen Pankov. The QSL Report featured verifications from Radio Maldives (Dan Henderson and Don Johnson), Ankara Polis Radio (Ed Shaw), and Radio Angostura (Bill Sparks). Larry Yamron reminded members that airmail postage rate went up to 13 cents on January 1<sup>st</sup>.

# Easy Listening

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

## BBC World Service: Big Changes

For months, the BBC has hinted that changes were afoot in World Service philosophy and programming. Effective January 10<sup>th</sup>, the World Service becomes even more like an all-news radio station with a significant expansion of *The World Today*. The World Today was launched last year as Europe's "Breakfast" news program; we in the Americas were treated to half-hour versions at 0400 and 0500, while Europe received the program continuously from 0400 to 0700. At the time, *The World Today* effectively replaced *Europe Today* in the program lineup.

What does that mean to us in the Americas? For starters, 12 of the 24 hours of the day will feature minimum half hour weekday newscasts as follows:

0000, 0100, 0200, 0300, 0400 *The World Today* (30-minute version)

0500 *The World Today* (1-hour version)  
 0600 *The World Today* (30-minute version)  
 1000 *World Update* (currently produced only for PRI distribution; 1 hour long)  
 1100 *Newsdesk* (30 minutes, as before)  
 1300 *NewsHour* (1 hour, as before)  
 1700 *Europe Today* (30 minutes)  
 2000 *NewsHour*

*World Update* and *Europe Today* are replaced by *Newsdesk* on the weekends. Disappearing from the schedule: *Newsday*.

It appears the feedback from the rollout of *The World Today* was favorable enough to warrant its expansion, as an Asia/Pacific version debuts on the 10<sup>th</sup> from 2200 continuously to 0000 UTC. This results in even more retimings for other BBC programs; you can essentially trash the schedule John Figliozzi provided in November (sorry, John...) and replace it with the schedule appearing below.

<i>A Jolly Good Show</i>	dropped	
<i>Agenda</i> (new)	0230	Sun
<i>Assignment</i>	0630 and 1130	Thu.
<i>Discovery</i>	0030	Wed
<i>Europe Today</i>	1700 (unchanged)	Mon-Fri
Features Blocks	0230	Wed
	0430	Wed
	0230	Thu
<i>From Our Own Correspondent</i>	0430 and 1515	Thu
<i>In Praise of God</i>	1130	Sun
<i>Insight</i>	1645	Mon-Fri
	0345	Tue-Sat
<i>Jazzmataz</i>	1530	Sat
<i>Letter From America</i>	0345 and 1230	Sun
<i>Music Brief</i>	inaudible	
<i>Off the Shelf</i>	0445	Tue-Sat
<i>One Planet</i>	0030	Thu
<i>Outlook</i>	2305	Mon-Fri (40 mins long)
<i>Play of the Week</i>	0630	Sun (unchanged)

<i>Record News</i>	0145	Wed
<i>Science in Action</i>	0030	Sat
<i>Science Extra</i>	0030 and 1615	Sun
<i>Science View</i>	inaudible	
<i>Seven Days</i>	dropped	
<i>Short Story</i>	0630	Fri
<i>Sports International</i>	0630 and 1130	Wed
<i>Sports Roundup</i>	0320	Daily
<i>Spotlight</i>	0755	Sat
<i>Take Five</i>	inaudible	
<i>Westway Compilation</i>	0430	Mon (unchanged)
<i>The Works</i>	0030	Fri
<i>World Business Report</i>	0330 and 1730	Tue-Sat/Mon-Fri

Whew! I strongly recommend you contact the BBC for a new program and frequency schedule if you aren't wealthy enough to subscribe to *BBC On Air*.

### Analysis and Opinion

To some extent this mirrors what's happening within BBC's domestic radio services. Radio 4, which had been the source for many of the spoken word features on the World Service, appears to be diminishing in popularity and emphasis. Conversely, Radio 5 Live, an all-news station, appears to be gaining in stature. Clearly the BBC doesn't want to take a backseat to anyone as the leader in world news delivered in audio. Perhaps the more consistent half-hour timings for feature programs will finally stabilize the schedule.

At least programs like *Insight*, *Omnibus* and *Assignment* remain on the schedule. While the BBC's news efforts are clearly the most comprehensive on the airwaves, the main attractions of the World Service for me are its single-issue, longer form programs that aren't solely short-attention-span-material. I fear those are disappearing in the World Service's ongoing makeover.

### New Programs

Weekdays, 1000: *World Update* is new to shortwave, but not to radio. The BBC began this program for distribution via Public Radio International in the USA when MonitorRadio ceased operations two (three?) years ago. It competes with the first hour of

NPR's *Morning Edition* (which was also extended to a 5 AM ET start in order to fill the MonitorRadio vacuum), and now airs on shortwave. The program is hosted by Vicki Barker.

Sundays, 0230: *Agenda* is a new 30-minute program examining the latest ideas and trends. Leading thinkers provide stimulating, and often provocative, views. Repeated Sundays 0730. I'll have a review in February.

Sundays, 1405: *Newstalk* is a replacement for *International Question Time*. Listeners air their views; there's no mention of any expert moderators. Edited repeats air 0715 Mondays. The January issue of *BBC On Air* solicits input via the BBC web page, but this link hadn't been set up as of December 22<sup>nd</sup>.

Weekdays, 1205 and 2305: *Outlook* has two new presenters: Fred Dove and Heather Payton, and the program is lengthened to 40 minutes. Many consider this the best program on the World Service, and it's one of my favorites as well.

### Other January Highlights Features

Tuesdays through Saturdays, 0055: *My Century* is a new regular series featuring defining moments from individuals' lives through the past century. Each week will have a different theme: *Survivors of the Century*, *Methods of Transport*, and *The Secret State* are among those listed. This is a "first person" effort—each person will tell their own

story. In addition to these 5-minute versions, a half-hour version will air Saturdays 0530, repeated Sundays 1630. I'm not sure if the half-hour program is just a compilation of the 5-minute segments, or if it's new material.

Wednesdays, 0230, beginning January 27<sup>th</sup>: *Women Who Dared To Speak* is a new six-part 30-minute weekly series hearing the voices of women who risked everything to protest against injustices suffered by their sex. Observation: This looks like an additional way the World Service is attempting to reach a female audience. Also airs Sundays 0530, beginning the 24<sup>th</sup>, and Saturdays 2130, beginning the 23<sup>rd</sup>.

Tuesdays, 0430: *Wild Tales* is a weekly 15-minute series produced by the BBC's Natural History Unit recounting experiences of naturalists, cameramen, and explorers on encounters with leeches, elephants, crocodiles, and a singing humpback whale, for example.

#### Pop and Youth

*BBC On Air* has adopted this as a new classification for programming; this is a not-so-subtle way to increase its draw of young people. Not a bad idea.

Tuesdays, beginning January 12<sup>th</sup>, 0230: *The Next Big Thing* is a six-part 30-minute series chronicling the BBC World Service's musical talent search efforts. The BBC invited unsigned bands from around the world to send in demo tapes in competition for a day's recording session at the BBC's famous Maida Vale studios. A distinguished panel of pop people served as judges, and have culled the tapes to the six programs heard here. Even second prize isn't shabby: £500 (\$800 US) for music equipment.

Sundays, 2305: *Wright Around The World* is a new regular 55-minute pop music show emphasizing listener requests and dedications. Even more revealing comments than that—e.g. your most embarrassing moment—are invited. The best input each week wins a BBC T-shirt. Steve's E-mail address is [ws.pop@mmb.co.uk](mailto:ws.pop@mmb.co.uk), and his direct dial phone line is +44-171-379-4565. Include

your own phone number, as you might be invited to appear on the show! First weekly airing Saturdays 1205.

Thursdays, beginning January 21<sup>st</sup>, 2230: *The Good Relationship Guide* is a four-part 15-minute series that provides top tips for managing relationships. Is intelligence more important than a sense of humor? Is clean teeth? A counselor is part of the on-air team that sorts all this out. Listener input is invited, though no specific E-mail or fax address is offered. Also airs Thursdays 1615.

Thursdays, beginning January 21<sup>st</sup>, 2245: *The Lab* is a 10-part 15-minute science program viewed from a youthful perspective, looking at current scientific affairs, science perspectives on non-science issues, and profiles of science undertaken by young people. Also airs Thursdays 1630.

#### Classical Music

Sundays, 1515: *Concert Hall* is a regular 45-minute series currently featuring live performances recorded by the BBC between the 1950s and 1970s. Recently released from the archives, January's program features conductors Rudolf Kempe, Leopold Stokowski, Georges Enesco, and Constantin Silvestri.

#### Drama and the Arts

Saturdays, 2230: *Play of the Week* highlights include the following:

January 9<sup>th</sup> and 16<sup>th</sup>: *The Glass Menagerie* - Callista Flockhart, Julie Harris, John Goodman, and Zeljko Ivanek star in this LA Theaterworks co-production of the Tennessee Williams classic. Aired for one our both Saturdays.

January 23<sup>rd</sup>: *Via Dolorosa* - This one-man play was written by British playwright David Hare in 1997 following a visit to Israel. It's the view of a society rich in dogma, division, and despair from a British perspective where faith is a form of social embarrassment. Running time: 90 minutes.

January 30<sup>th</sup>: *The Earthquake Girl* - Kate Hims, one of Britain's most talented young radio dramatists, recently completed this play

set in and around a library. Light-touched, with perceptive humor, *The Earthquake Girl* looks at a librarian who lives her life with a quietude paralleling that she enforces in her library. Running time: 60 minutes.

Tuesday-Saturday, 0445: *Off The Shelf* reads George Eliot's *Silas Marner*, published originally in 1861. *Silas Marner* is set in the beginning of the 19<sup>th</sup> century, in the Industrial Revolution's early days.

### Science

Weekdays, 1405: Science programs are now featured in this time slot every day. Monday, *Health matters*; Tuesday, *Discovery*; Wednesday, *One Planet*, Thursday, *The Works*, and Friday, *Science in Action*.

### Getting In Touch

For reference, here's how to contact the World Service:

E-mail:

[worldservice.letters@bbc.co.uk](mailto:worldservice.letters@bbc.co.uk)

Website: <http://www.bbc.co.uk/worldservice>

Fax: +44 171 557 1258

Phone: +44 171 240 3456 (main switchboard)

Snail Mail: Audience Relations, BBC World Service, Bush House, Strand, London WC2B 4PH, United Kingdom

Clip and save for future use.

### Program Exchange

Bob Montgomery, who enjoys diverse music styles as much as I enjoy documentaries, suggests Port Moresby's (Papua New Guinea) Saturday program from 1100 to 1300 UTC on 4890, with 3385 parallel and sometimes better. With the seasonal change reception is pretty good for Bob, in his Eastern Pennsylvania location. This Saturday program features a fully English broadcast of the Top 20 Hits of Papua New Guinea. The word "of" is literal here—this is not US

pop music, but music of Papua New Guinea origin.

Speaking of music, another Radio Australia weekend program you might want to check out is *Sound Quality*, a Radio National program airing Fridays 1205 UTC, the same time block normally occupied by *Late Night Live*. Tim Ritchie hosts a program with music termed "...interesting, evolutionary, inaccessible, and wonderful." The key word there is *inaccessible*, as Tim features music that isn't marketed via major outlets. A recent playlist included these artists: *Wicked Beat Sound System*, *Centriphugal*, *Fluid*, *Lemongrass*, *DJ Shadow*, *FourPlay*, and *Finitribe*. Tim can be E-mailed at [ritchie.timothy@a2.abc.net.au](mailto:ritchie.timothy@a2.abc.net.au) if you have feedback and ideas. (Radio Australia website)

Did you know...Tuesdays through Saturdays, *Deutsche Welle's* Americas releases at 0100, 0300, and 0500 carry the same programs. On Sundays and Mondays (in other words, Saturday & Sunday nights), the different releases carry different programs: (from Deutsche Welle's website)

### UTC Sundays

0100 *Saturday Review; Inside Europe*

0300 *Saturday Review; Spectrum*

0500 *Saturday Review; Marks and Markets*

### UTC Mondays

0100 *Mailbag; Arts on the Air*

0300 *Religion and Society; Arts on the Air*

0500 *Mailbag; Cool*

### Wrapup

I know this column was heavy on the BBC World Service this month, but this new emphasis on *The World Today* represents a significant programming development. Better balance next month, I promise.

Thanks also to Peter Bowen, another long-time friend of the column, for his good wishes; may all have a happy, healthy, prosperous, propagation-filled 1999!

Until next month,

73 DE Richard



# Shortwave Center

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

## Ecuador: Behind the QSLs of 5 Stations

by Nick Grace C., Washington, DC

*Editor's note: This article appears on Nick Grace's webpage at <<http://www.qsl.net/yb0rmi/ecuador/>> complete with color photos and is reproduced (sans-illustrations) here with Nick's kind permission*

Ecuador, at the crossroads of the equator and the Andes range, is an easy-to-hear and verify shortwave target—courtesy of HCJB, of course. But besides that powerhouse, there are dozens of other stations on the air. Most respond to listener mail promptly, and many even send pennants and other collectibles.

During a recent trip to Quito, the capital, a friend of mine named Elsa Salas told me that she wanted to get out of the city for a few days. "So... Where to?" She asked me point blank.

I blankly stared at a map, concentrating on cities which have shortwave radio stations, and suggested that we head south, swing eastward into the Amazon (Oriente), head north towards Colombia, and finish the loop by heading southwest back towards Quito. This itinerary would cover Ambato, Riobamba, Tena, Coca, and Lago Agrio. "So we will leave tomorrow and return in two days" she said. Although it looks fine on a map—I wouldn't suggest anyone follow our mistake and cover so much territory via rural transport like we did.

As Elsa and I hopped onto a bus the next day many questions poured through my mind. I often wondered what the stations are like, especially those that have colorful pennants. Are the studios and facilities as grand as the

mementos they send? Are foreign reception reports valued by the staff and announcers? And generally speaking... How much revenue do these small commercial stations earn? Meanwhile, all Elsa cared about was having Castillian food in Ambato.

### Radio Centro

Ambato is a thriving city just 4 hours south of Quito and sits on a ridge between a few steep hills and a valley that drops off sharply. Its residents consider themselves to be resilient and offer the fact that their city was rebuilt after a devastating earthquake in 1948 as evidence.

After driving blindly through the streets with a taxi driver who claimed he didn't know where Radio Centro is, we stumbled onto its huge sign sticking out of a four-story building. Elsa and I proceeded to the third floor, where the main offices are, however, the secretary told us that the director, Luis Gamboa, was out. As we debated whether or not to stick around, Luis walked in and lit up as soon as he heard that I was visiting from Washington. He ushered us into his huge office ordained with numerous plaques, statues, pennants and certificates. "So you wrote to us before but never got a reply?" He asked me as the three of us sat on his leather sofas.

"No," I told him. "I got a letter from you almost ten years ago!" The feeling was odd for me at first to be chatting casually with someone who for so long had simply been a "verification signer"—a signature at the bottom of my Radio Centro verification letter. How easily we forget that real people open reception reports and reply to our mail.

We made small talk for a few minutes, discussing Washington, Ecuadorian food and politics and the upcoming World Cup soccer tournament, and then he proceeded to explain the station's history.

Radio Centro has been on MW for 37 years, where it is now active on 1130 kHz. Its SW outlet began in 1987 and has sat on 3290 kHz ever since, broadcasting from 2300 to 1200 GMT. Luis Gamboa responds to the "mountain" of reports that are received each week with a verification letter and whatever else may be lying around. Sadly, the station no longer has pennants available, however, lapel pins and stickers have recently been made. He told me that the foreign mail brings pride to the station, especially since it's a good marketing tool: evidence for potential advertisers that their paid ads on Radio Centro can be heard worldwide.

While touring the station's facilities, I was asked to take a minute to record a promotional announcement for their SW service in their production studio. After all, I did come to Ambato just to see this station! I was then brought around to the FM outlet, Bonita FM on 93.7 MHz, which is the flagship station of a larger FM network with its name.

Radio Centro's SW service shares its comfortable studio with the MW outlet. Although foam is usually used as sound insulation, they use thick wood — giving the facilities a nice ambiance. Announcers sit in a corporate-like conference room while on the air, separated from the producer by a window. All of the station's equipment (processors, compressors, and 8-channel mixer) is mounted on a desk and on the wall, giving more of an appearance of a recording studio than a radio station.

Elsa and I went back to the management's office to thank Luis for his staff's hospitality, and he immediately offered to take us up to the roof and see a view of the city. We headed up the stairs to the top floor, passing by a greenhouse, and were promptly met by Radio Centro's guard dog Michael. The roof offered a nice view of the city with all its hills and churches, seen through satellite dishes and the studio-transmitter VHF antenna. I

took a few pictures and then thanked Luis again since Elsa and I needed to get to Riobamba before sunset. Of course, Elsa also needed her Castillian food before we jumped on another bus.

## **Escuelas Radiofonicas Populares del Ecuador (In the Shadow of Chimborazo)**

We then set out for Riobamba, two hours south of Ambato. Riobamba is a popular destination for tourists who want to climb the monolithic volcano, Chimborazo, at 6310 m above sea level. The town center is lined with cobblestone streets and colonial houses, a refreshing change from the bustle of Ambato. Elsa and I decided to waste no time and jumped into a taxi to go straight to the city's Escuelas Radiofonicas Populares del Ecuador (ERPE). By now the clock was nearly striking three and only God knows when the business day is considered over in Ecuador.

We found the station's villa by its modest sign hanging over the door. Inside, a nurse directed us to the station's office just beyond a little courtyard and garden. We walked in and met with staff member Ruben, whom I was relieved to see smoking at his desk. Thank God "Smoke-free" hasn't entered into Ecuadorian consciousness yet, I thought. I offered him a clove cigarette to break the ice and we began to chat about various political scandals in our two countries. Soon, the room was filled with smoke and nearly ten people, including two well-known verification signers: Juan Perez Sarmiento (ERPE Executive Director) and his secretary Maria. (Here was undeniable evidence that not only are verification signers real, but they also have human urges and addictions, like smoking! Now I understand where all those dollars in unanswered follow-up reports are going to: Marlboro's!)

ERPE, the radio station, is one of three projects for their foundation, which also includes a small hospital and a group of farms to export a cereal called quinoa to the U.S. The station began on March 19, 1962, and has nearly run its 1 kW transmitter into the ground. In fact, it was off the air in the mid-

nineties after its tubes burned out. Besides operating on 5010 kHz to Riobambans who live in Quito, Guayaquil, and other cities, ERPE airs on 710 kHz and 91.7 MHz FM for the local populace.

Listeners can hear the station's educational programs on 5010.1 kHz between 0000 and 0200 nightly. Unfortunately, they are using only 500 to 800 watts in order to preserve the equipment, and when the time comes that a replacement is needed...ERPE will probably lose its SW voice. Reports are promptly answered with a letter and, when available, large pennants which reflect the project's community orientation.

Juan invited me to the FM studio for a live on-air interview about youth and the Latino community in the United States, and so we headed over. Like Radio Centro, the announcers sit in a separate room from the producer. The MW and SW studio is across the hall, but it was not being used at the moment.

After the interview, we took a stroll into a classroom and Juan showed me the foundation's growing collection of radio station pennants. He said that they're useful to educate students about the world around them. We then returned to the office, here engineer Lauro offered to take Elsa and I to see the antenna and transmitter. I thanked the friends I'd met and hopped into his car for the 20 minute ride.

The three of us pulled into a section of farmland and more or less bounced through what once was a road until we came upon the site. ERPE's MW tower and SW dipole lie literally in the massive shadow of the snow-capped Mt. Chimborazo. I stood in awe of the folded dipole hanging between two 50' towers, as if juxtaposed over the sleeping volcano. Off to the side of the antenna is a traditional Indian hut, where the station's guard appeared. Lauro explained to me that the guard doubles as a farmer for their export project and pointed to the cultivated ground. "This is the quinia we've been talking about," he laughed.

Within a large shed live the MW and SW transmitters. The SW unit, standing over 6'

tall and 4' wide, was donated almost forty years ago by a French foundation. I was amazed to stare into the monolith—the same monolith that rides through the static every night with the music and programs of ERPE.

After taking a few pictures, Lauro drove us back to Riobamba where we found another bus. We hopped on as the sun went down and headed straight for Banos, a venerable tourist trap. Elsa had called a friend of hers who lives there and got permission for us to stay the night. Little did I know how interesting things were about to become.

## La Voz del Napo (One of Tena's Two Sisters)

Elsa and I arrived in Banos just before Midnight, and much to my surprise, she insisted on going to the local radio station. You see, Elsa has absolutely no interest in radio—in fact, it seemed that her only interest was *to see the antenna* and get the *Hell* out of there. Ironically, I wasn't keen on going to some flea-bag MW station during their graveyard shift and waste expensive film and sleep time. My priority *at that moment* was to find anything solid and fall asleep—on the steps of a church if I had to!

As it turns out, Elsa's friend in Banos is an announcer and manager of La Voz del Santuario! And if that wasn't enough the station used to be on shortwave over ten years ago, but they quickly realized that SW means "no dinero." As I stood in the studio, which occupied the entire top floor of a townhouse, my jaw dropped at the sight of high-tech DAT multi-tracks, US\$5000 digital processors, automated DAT cart machines, and a complete library of Network Music production music. Talk about having friends in high places! Yes, "La Compania," that is, the church, heavily funds this station. We left the radio outlet to collapse in her friend's home. The next morning, we got up early and went downtown to catch yet another bus for Tena off in the distant Oriente.

Tena is roughly eight hours from Banos, and if anyone wants to take a real roller coaster ride, the only road leading into the city from the south is highly recommended. In order to

get there you must drop over 2000 m through weaving and muddy roads—sometimes swerving precariously close to deep jungle chasms. I clearly recall poking my head out of the bus window to see the vehicle's wheels six inches away from a cliff as we were bolting down a mountain. About two hours from Tena, the bus began to pick up school children wanting to return home. These kids, natives of the Amazon, must commute 20 to 40 km just to study and it hit me just how important radio really is in areas like this where there are no telephones and where the jungle imposes such a tremendous isolation.

Tena is a relaxed, slow-paced and extremely humid town with caves and jungle trips to offer for tourists. But I had two other locations on my mind: La Voz del Napo and Radio Oriental. Elsa had only one: the caves.

La Voz del Napo, easily heard on 3280 kHz at 1000 GMT, is situated toward the back of a small college campus run by a Franciscan mission called Mision Josefina. We walked by a group of kids playing soccer and bumped right into the station's director, Ramiro Cabrero. He kindly returned to the station's pretty building with us for a short tour.

La Voz del Napo clearly appreciates the cards and letters it receives. In fact, most of the walls are covered with pennants, photos and postcards from all over the world. He estimates that two reports come in each week for their morning program and all are answered when possible with a card and colorful pennant. As I stood in the studio, looking more like a DXer's ugly shack with cards and photos tacked to the walls, names jumped out at me: Fred Kohlbrenner, Roland Archer, Steve Martin, John Fisher... "I remember your letter," Ramiro smiled as if he had solved a great mystery. "You sent a photo of yourself some years ago!" My jaw nearly dropped and a sense of uneasiness set in since, when this fellow sent a verification card to me, it was accompanied by a request for "a couple of hundred dollar bills..." Hopefully, he wouldn't take the opportunity to hit me up for a donation to his... Eh... Charity.

The station uses a CCA AM 2.5000 D/HF transmitter, just down the hall from the on-

air studio, and its dipole antenna above the building pushes out about 2.5 kW from 1000 to 1200 and 2300-0300 GMT every day. Secretary Solia Verdesoto explained to me that the station mainly serves the school's students, most of whom come from isolated communities in the Amazon where there are no telephones. "They tell their families to listen to Napo for any messages they may have, for instance, if they need money or help." My mind quickly jumped to the admiration I have of those school children traveling so far on the bus we arrived in.

La Voz del Napo is a small station. Its been on the air for 28 years and employs only five people—all teachers and administrators of the college. They expect to move the antenna and transmitter to another site and in doing so, will also change the frequency.

Ramiro quickly left for a teachers' meeting but invited Elsa and I to leave our bags inside the studio to tour the city, which we did. We immediately rushed three blocks away to Radio Oriental before their office closed for the day.

## Radio Oriental

Elsa and I sped through the spacious yards of Mision Josefina, where La Voz del Napo resides, and wandered into the lazy streets of Tena with one place in mind: Radio Oriental. "Let's see the Cuevas Jumandy." Elsa whined. "Maybe the guy at Oriental can take us to see the antenna, which has got to be near the caves and the Cuevas Jumandy!"

We tripped upon the station's building and went right in. Lilian Velin, Oriental's secretary, net us at the door and insisted that we wait for the owner and station director, Luis Enrique Espin Espinoza. "But he came all the way from Washington," Elsa told her. "Sit down," she grumbled. Yeah, sit down and take your number. The caves would have to wait, too.

After an interminable wait, Luis came in and gave me an incredulous look. "What do you want to see?" he asked me. "Radio Oriental," I said as enthusiastically as I could. He frowned and then led us to his office a few

doors down from the entrance. "There is not much to the station," he told us. "Just this office and the on-air studio...I've got to tell you that we've got a satellite dish on the roof though!" Elsa perked up and, thinking I'm obsessed with antennas, asked him if we could see the dipole—just as long as it is near the Jumandy Caves. "No, I'm sorry its not. Its about seven km outside of town.

We went to see the studio in all its glory: eight-channel mixer, cassette decks, turntables, and a single microphone. Like the other stations, the announcers sit in a separate cabin from the producer.

Radio Oriental, unlike La Voz del Napo, is a commercial venture. It has been on MW for 20 years and began its SW service for 4780 kHz on February 12, 1987. Luis said that about five letters are received monthly and he responds to each with a nice green QSL card. In a few weeks, he plans on sending collectible photos of Indians and 200 sucre notes to listeners.

The main problem for Radio Oriental—and the reason for Luis' lack of enthusiasm for my visit—is that the station isn't generating much revenue with its SW outlet. However, although he has no plans to close it down, he's also not happy with interference "from Brazil" that listeners apparently report about. I suggested that he lobby the Ecuadorian government to change Oriental's frequency to a clear channel above 5.1 MHz, which he quickly wrote down to do. Maybe my trip wasn't such a waste after all.

Elsa and I thanked Luis and his secretary for their time and generosity. We then took a three-hour walk through Tena and returned to La Voz del Napo at 8 o'clock. What a gorgeous sight! Under the Southern Cross constellation, the parrot painted on the front of the building was lit up like a star in the Jungle. The music of crickets was so overwhelming that we could even hear them from inside the station's studio.

Ramiro ushered us into the tiny studio since he was on duty and the news was about to begin. He turned on a television and proceeded to place a microphone in front of the

speaker. Sometimes ingenuity is better than modern science, I guess. At the top of the hour were dire headlines about massive riots and student shootings in Jakarta, Indonesia, a city where I have many friends and colleagues. Tena's isolation hit me in the face at that moment since, had I been in Washington, I could have communicated with my close friends and associates over there through telephone, fax or e-mail. Yet there I was at La Voz del Napo, in the middle of the Amazon and in need of a proper shower. I felt so sick at that moment, I headed straight for the station's bathroom and, just like street people do everyday, I took a "bath" in the sink to refreshen myself. Now how many radio amateurs can attest to that? (Actually, how many people would admit to such a demeaning act?) Nevertheless, I felt a little better and didn't smell so much like clove cigarettes and Ecuador's disgusting brand "Lark."

After the news, Ramiro popped in a religious cassette to play over the air and we jumped into his expensive Landcruiser and went to the bus station, where Elsa and I planned to take a night bus to Ecuador's remote oil town, Lago Agrio.

Visiting La Voz del Napo and Radio Oriental raised an interesting point about SW and Ecuador in general. Two obscure radio stations in the middle of nowhere, however, one clearly had a budget—a budget large enough to include the cost of an imported Landcruiser: La Voz del Napo. As Ecuadorians say, it comes down to the Company—the Church. Either that or Ramiro sure did get "a couple of hundred dollars" from shortwave listeners.

## Ecoss del Oriente

Our bus pulled into Coca, a jungle town with no paved roads, at 5 AM. Coca is the home of Radio Cumanda, a station that once was on shortwave, and what a weird feeling I had hearing its sign-on from a street vendor's boombox! Elsa and I stood by the side of the road for almost an hour waiting for a big bus, but the only thing to pass were chivas—pickup trucks with four rows of benches used for public transportation in the Amazon. "Come on," I insisted, "Let's get on one!"

Elsa wasn't too keen on the idea, being an urban lady of the Nineties. But as chiva after chiva zoomed by screaming "Lago, Lago, Lago!" she finally caved in. And so we climbed onto the back of one, not knowing that a lovely and bumpy 4-hour ride was waiting for us...

Lago Agrio didn't even exist twenty years ago, but after oil was discovered a boomtown was born. It's a hot, humid, and bustling town with a population of hustlers and aggressive Colombians. In fact, walking around in Lago Agrio felt more like traveling in Indonesia than in Ecuador! People try to hawk everything from watches to tiny pet monkeys on the street, but since most people are there to make money, I doubt much is really ever sold. Only two streets have running water, and luckily for us, one office with service is Ecos del Oriente—where we were able to refreshen ourselves once again. At least Elsa was smart enough to...

We pushed our way through the crowds to a sign-less building and asked the yucca and banana vendors sitting in front where Ecos del Oriente is. "That's the door," they laughed, pointing to what seemed more like an opening to an abandoned building. We went inside and headed up a bleak stairwell, where painted on the wall were the words "ECOS DEL ORIENTE SIGA." Up to the third floor we went, but the office was empty. So we went back down and found Olimpica FM's little studio. The announcer greeted us and called Luis Velastegui, director of Grupo Radial Continental.

Mr. Velastegui brought us up to his office and explained that Ecos del Oriente, once a rare catch on 3270 kHz, left SW in 1995. "It didn't make any money," he sighed. SW transmitters, he says, cost about 15 million sucres (US\$3000) a month to power, whereas FM transmitters cost 9 million sucres (US\$1800) and pull in more advertisers. "Do the math. It just wasn't a feasible service to maintain."

Ecos del Oriente remains on 1510 kHz MW, however, and is part of the Grupo Radial

Continental network, which includes two television stations, two MW outlets and six FM stations. "This is Ecos del Oriente," he joked as we walked into the studio: a single mixer, two turntables, a tape deck, and a wall of LP's. On the roof of the building, however, are signs of more prosperity. Mr. Velastegui proudly showed us his company's two satellite dishes that are used to capture various television programs. "Oil is what moves this town," he said as he pointed to massive refineries looming on the horizon.

We went back down to his office and he offered to type up a quick verification letter for a reception I had of Ecos del Oriente some years ago. Elsa looked at her watch and whispered into my ear "We've got an hour, Nicolas, there's no time to see that antenna!" I took it as the clue that it was...

Before the two of us left, Luis urged us to try Ceviche de Boa, a local delicacy of Lago Agrio. And so we indeed ordered the dish later that morning and can now say that snake does taste like chicken. Unfortunately, it also gave me an horrible case of gastrointestinal problems! With little time to spare, we bounced from cafe to cafe looking in vain for a bathroom with running water. (Toilet paper is uncommon in Indonesia, so I can easily make do with water and my left-hand, however, as I quickly realized... *Water* is uncommon in Lago Agrio, a city named "Bitter Lake" in Spanish.)

Feeling absolutely dehumanized, I lumbered onto the bus with Elsa feeling deathly ill. And what a surprise... For the first time ever in my travels around the developing world, this had to be the bus to break down in the middle of nowhere.

Well, we finally did make it back to Quito after our marathon through Ecuador's interior. As exhausting as the excursion was, getting to know the radio stations and the people behind the microphones was well worth the effort. What is certain is the coming decline of shortwave broadcasting in this country—unless, of course, the Church has anything to do with it!



# Listener's Library

T. J. "Skip" Arey N2EI  
P. O. Box 236  
Beverly, NJ 08010  
Internet: tjarey@home.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 8)

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

**SOLAR MAXIMUM** The time during the solar cycle when the 12 month smoothed sunspot number reaches a maximum. The most recent solar maximum occurred in July 1989 so the next maximum would be expected eleven years later in the year 2000.

**SOLAR MINIMUM** The time during the solar cycle when the 12 month smoothed sunspot numbers reach a minimum. The last minimum occurred during 1997 so the next minimum is expected in 2008.

**SOLAR SECTOR BOUNDARY (SSB)** The apparent solar origin of the interplanetary sector boundary marked by large-scale polarity inversion lines.

**SOLAR WIND** The outflow of solar material from the hot, unstable corona. The solar wind blows into interplanetary space with a speed of about 400 kilometers per second. The solar wind velocity can vary dramatically with solar activity. The solar wind carries with it the magnetic fields that originate in the sun.

**SOLSTICE** The time when the sun reaches its greatest declination away from the earth's equatorial plane. The exact solstice time is different each year but occurs within a day or two of June 21 and December 21.

**SPORADIC E** A highly ionized region of the E layer of the ionosphere. When so ionized, the E layer can support propagation of

frequencies in the VHF range which normally pass through the ionosphere into outer space. Sporadic E can occur during daytime or nighttime and it varies markedly with latitude. Scientists are not sure what causes Sporadic E ionization. Positive correlations have been made to the solstices. Sporadic E phenomena are most often encountered in the 30 day period on either side of the solstice. Solar wind particles are more able to penetrate into the polar cap region at the times of the solstice and so may be transferring energy to the E layer. The presence of thunderstorms under the ionized cloud with discharges from the cloud tops to the E layer of the ionosphere have also been correlated with the formation of E layer ionized clouds. Sporadic E clouds can also disrupt communication via the F layer of the ionosphere by screening the F layer from rays attempting to reach the higher F layer.

**SPREAD F** Consists of irregularities in the F region of the ionosphere which scatter radio signals causing a degradation in normal propagation paths but potentially enhancing others.

**STORM** A severe departure from normal conditions in either the ionosphere or the earth's magnetic field.

**SUDDEN COMMENCEMENT** An abrupt increase or decrease in the northward component of the geomagnetic field, which marks the beginning of a geomagnetic storm. In most cases, sudden commencements occur almost simultaneously around the world.

**SUDDEN IMPULSE** Abrupt increase in the strength of the horizontal component of the earth's magnetic field not associated with a following geomagnetic storm.

**SUDDEN IONOSPHERIC DISTURBANCE (SID)** An HF propagation anomaly due to ionospheric changes resulting from solar flares, proton events and geomagnetic storms. See daylight fadeout.

**SUNSPOT** Relatively cool regions in the solar photosphere that appear dark. They contain intense magnetic fields which provide the energy for solar flares. Sunspots occur in groups. They underlie plage areas. The number of sunspots at any time are a function of the time in the 11 year solar cycle.

**SUNSPOT GROUP CLASSIFICATION** (Modified Zurich Sunspot Classification).

**A-A** A small single unipolar SUNSPOT or very small group of spots without PEN-UMBRA.

**B-Bipolar** sunspot group with no penumbra.

**C-An** elongated bipolar sunspot group. One sunspot must have penumbra.

**D-An** elongated bipolar sunspot group with penumbra on both ends of the group.

**E-An** elongated bipolar sunspot group with penumbra on both ends. Longitudinal extent of penumbra is between 10 and 15 degrees.

**F-An** elongated bipolar sunspot group with penumbra on both ends. The longitudinal extent of the penumbra exceeds 15 degrees.

**H-A** unipolar sunspot group with penumbra.

**SUNSPOT NUMBER** A daily index of sunspot activity  $R$  defined as  $R=k(10g+s)$  where  $s$ =number of individual spots,  $g$ =number of sunspot groups, and  $k$  is a fudge factor to normalize the measurements between different observatories to account for different resolutions. During the solar cycle minima the sunspot number reaches zero and can stay there for several months.

**SURGE** A jet of material from an active region that reaches into the corona and then either fades or returns into the chromosphere along the same path as it ascended.

**TEC** See total electron content.

**TEN CENTIMETER FLUX** The power output of the sun at a wavelength of 10.7 centimeters. This parameter is frequently used in place of sunspot number as an indicator of solar activity. This is what WWV announces as solar flux every hour on the 18th minute.

**TID** See travelling ionospheric disturbance.

**TOTAL ELECTRON CONTENT** The number of electrons along a wave path measured in electrons/square centimeter. The TEC is used in calculating the delay and bending of a wave in the ionosphere.

**TRAVELLING IONOSPHERIC DISTURBANCE (TID)** These are probably a cause of the kind of anomalous HF propagation SWL hobbyists wait for to hear the really rare ones and which communications engineers hate. The TID causes focusing and defocusing of radio waves. The disturbance usually appears at higher frequencies, gradually affecting lower frequencies. Some TIDs are associated with geomagnetic storms and originate in the auroral zone. TID's can travel great distances. Some TID's are more localized, originating in the troposphere during local weather disturbances.

**TROPOSPHERE** The lowest layer of the earth's atmosphere extending up to about 13 kilometers.

**TWO-RIBBON FLARE** A flare that has developed as a pair of bright strands on both sides of the main inversion or "neutral" line of the magnetic field of an active region.

**TYPE I, II, III, IV.** See radio emission.

**ULTRA HIGH FREQUENCY (UHF)** Radio frequencies exceeding 300 MHz.

**ULTRAVIOLET RADIATION** Radiation of immediately shorter wavelengths than visible light, between 5 and 400 nanometers. Extreme ultraviolet (EUV) and X-rays have even shorter wavelengths.

**UMBRA** The dark core in a sunspot.

**UNIVERSAL TIME (UT)** See coordinated universal time.

**UNSETTLED** A geomagnetic disturbance level where the Ap index is between 8 and 15.

**UPPER DECILE MUF** The frequency that will be usable at a particular hour for at least 10% of the month. The term upper decile in statistical mathematics refers to the top ten percent of a set of ordered values.

**UT** See coordinated universal time.

**UV** See Ultraviolet radiation.

**VERY HIGH FREQUENCY (VHF)** Radio frequencies between 30 and 300 MHz.

**VERY LOW FREQUENCY (VLF)** Radio frequencies between 3 and 30 kHz.

**VIRTUAL HEIGHT** The apparent height of an ionospheric layer deduced from the time delay of a reflected radio pulse and based upon the assumption that the pulse travelled at the speed of light over its entire path.

**WHITE LIGHT (WL)** Sunlight integrated over the visible portion of the spectrum so that all colors are blended to appear white to the human eye.

**WHITE LIGHT FLARE** A major flare in which small parts become visible in white light. Such flares are usually strong X-ray, radio, and particle emitters.

**WINTER ANOMALY** At mid latitudes the F2 frequency is lower in summer than in winter, in spite of the smaller solar zenith angle during summer. Ordinarily one would expect that the higher the sun angle was above the horizon, the more highly it would ionize the F2 layer allowing a higher MUF. This probably is just an indication that our theories about how all this works is still incomplete. Figure out how this happens and you could get this effect named after you like Mr. Wolf did.

**WOLF NUMBER** An historic term for sunspot number. In 1849 Mr. R. Wolf of Zurich

originated the general procedure for computing the sunspot number.

**X CLASS FLARE** Flares which have the highest range of energy output of X-ray radiation. X class flares will definitely produce a shortwave fadeout in the daylight hemisphere of the earth.

**X-RAYS** Electromagnetic waves of wavelength 0.001 to 1 nanometers emitted during solar flare activity. X-Rays ionize the D region of the ionosphere causing increased absorption of HF radio waves.

**X-RAY BACKGROUND** A daily average background X-ray flux in the 1 to 8 angstrom range.

**X-RAY BURST** A temporary enhancement of the X-ray emission of the sun. The time-intensity profile of soft X-ray bursts is similar to that of the H-ALPHA profile of an associated flare.

**X-RAY FLARE CLASS** Rank of a FLARE based on its X-ray energy output. Flares are classified by the order of magnitude of the peak burst intensity measured at the earth in the 1 to 8 angstrom band as shown in Figure 5:

Class	Flux in Watts/meter <sup>2</sup>
B	less than 10 <sup>-6</sup>
C	between 10 <sup>-6</sup> and 10 <sup>-5</sup>
M	between 10 <sup>-5</sup> and 10 <sup>-4</sup>
X	greater than 10 <sup>-4</sup>

**Figure 5** X-Ray flare class flux power levels. A multiplier is used to indicate the level within each class. For example, an M6 flare = 6x10<sup>-5</sup> Watts/ meter<sup>2</sup>

**ZENITH ANGLE** The angle between the overhead point for an observer and an object such as the sun. The solar zenith angle is zero if the sun is directly overhead and is 90 degrees when the sun is on the horizon.

**ZURICH SUNSPOT CLASSIFICATION** A sunspot classification system that is the basis for the modified sunspot classification system defined here.



# NASWA Awards

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

Howdy and welcome to the summer-end awards column. Although a bit of DX is beginning to squeak through, the old thermometer on the wall is still hanging in the high 90s in coastal Virginia and summer-end seems more like a wish than a fact. At any rate, it is getting time to get ready for the new season and I have presented a few tips below that may be helpful. The awards business has been slow but steady and we do have a buncha folks who are proudly displaying their new NASWA greens to anyone who will look at them. These folks and their awards are:

Gene Borowski

World Wide DXer

European Continental DXer

Robert Fleck

African Continental DXer

160 country endorsement

Beppe Gornati

Antarctic DXer

Master PNG DXer

Jeff Molander

World Wide DXer + 60 country endorsement

European Continental DXer

All American DXer

Senior Ecclesiastic DXer

Gary Neal

DX Centurion

Pirate DXer

35 station endorsement for Senior Ecclesiastic DXer

Denton Neisler

European Senior DXer

Senior Ecclesiastic DXer

All VOA DXer

Maple Leaf DXer

All American DXer

Stephen Pitts

African Continental DXpert

Antarctic DXer

Soviet Sphere DXer

Michael Prindle

European Senior DXer

North American Continental DXer

Antarctic DXer

Ed Rausch

Senior DX Centurion

European Continental DXpert

Antarctic DXer

South American Continental DXpert

Subcontinental DXer

Soviet Sphere DXer

Senior PNG DXer

Master British Commonwealth DXer

Gerald Readore

World Wide DXer

Ecclesiastic DXer

E. Lee Silva, Jr

DX Centurion

All VOA DXer

Senior Ecclesiastic DXer

All American DXer

Pirate DXer

Terry Wolf

World Wide DXer

## It Is Time To Get Ready

Yep, the new DX season is upon us and it is time to tune up all the gear to be ready for it. If you have been using your receiver over the summer, you probably see no real need to do anything for the new season other than what you have been doing. But its kind of like when you were a kid and the first day of school was upon you you always had to get a new pair of jeans and a new pair of shoes, but what you were doing was the sameo-sameo. A good place to start is to administer a good cleaning to all the gear you use a psychological advantage if nothing else. While you are cleaning, inspect everything, especially antenna connections. If you have accessories plugged into the receiver, check those also. A general straightening up around the shack will help you find

that special piece of information quickly when you need it and it might be a good idea to check your information organization system, discarding outdated information and inserting the new stuff. And don't forget to check your clock against WWV.

Now that the inside is clean and organized, check your antenna outside. Perhaps summer growth of a tree has put a limb that needs to be trimmed close to your antenna or maybe an insulator is pulling loose from the wall. A few minutes spent checking things over now may save that special morning of listening in the middle of the winter.

Good luck with the new season; keep track of those countries so that you can join the distinguished gang of NASWA green owners! 

---

**FOR SALE:** SGC Power Clear add-on digital signal processor. In box with manuals. Price \$235.00 including shipping. R.E. Wright, 500 Palm Tree Road, Jacksonville Beach, FL 32250. Phone (904) 247-9032.

**FOR SALE:** Radio Austria Communications 70 Year Anniversary Telephone Cards picturing Morse code equipment. Mint cards, \$10.00; used cards, \$8.00. Price includes postage. Franz Schwartz, Jr., 414 Sabra Drive, Wilmington, NC 28405-3835.

**FOR SALE:** Kenwood R5000 with YK-88A1 better 6 kHz filter, 1.8 kHz stock filter, YK-88C 500 Hz CW filter, IF-232/IC-10 computer interface, box, manual, and computer cable. Receiver is in very good condition. Price \$600.00 plus shipping. Mike Wolfson, 1842 Mifflin Ave., Ashland, OH 44805. E-mail <mwolfson@bright.net>. Phone (419) 289-7461.

**FOR SALE:** Shack stuff sale goes on!. SW station booklets, memorabilia, bulletins, magazines, dozens of books on radio and related topics. Ten-page list for large SASE with at least 55¢ postage or \$1.00. Gerry Dexter, 213 Forest St., Lake Geneva, WI 53147. E-mail <gdex@genevaonline.com>.

**FOR SALE:** Universal Radio's M-1000 Computer Decoder Card. Decodes RTTY, FAX, Morse, SITOR, and ARQ to your computer screen. Requires one full slot on your PC. Includes manual and 3.5 diskette with software. Price \$210.00. Customized Beam Headings (from/to) and distances (MI/KM) to more than 480 WRTH transmitter sites including Russian republics. ITU Country Codes included. Send your location or coordinates, \$8.00. NASWA Journals for 1996 and 1997 complete, \$16.00 each. 1996 "Passport to World Band Radio", \$10.00. WRTH 1991, \$5.00; 1997, \$14.00. All items include shipping (overseas shipping extra). Cashiers check or money order only, please. Al Drehmann, Route 2, Box 3-B, Tryon, NC 28782. Phone (828) 894-3398 (not collect, please). E-mail <ADrehman@juno.com>.

**FOR SALE:** ICOM R-9000 with unblocked coverage and improved with Collings BW filters and matching SP-20 speaker. Price \$3,200 including shipping or best offer. JRC 535D with matching NVA-319 speaker. Price \$675.00 including shipping or best offer. Al Buckalew. Phone (323) 665-8585. Leave message and I'll call you back.

**WANTED:** Heath SB-110 transceiver, Heath SB-620 wired for 3395 KHz, Knight-kit Y-726 or YU-726 or 83YU726 receiver (predecessor to R-100 receiver, Barlow-Wadley XCR-30 receiver. Good home provided for wayward Heathkit equipment. Dan Ferguson, 12053 Kahns Road, Manassas, VA 20112. E-mail <df@mnsinc.com>.

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

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

**ELIGIBILITY:** The 1998 DX Championship is open to all DXer's residing in North America [as defined by the country list of the North American Shortwave Association (NASWA)]. Members of the NADXC Administrative Committee are excluded from participation.

**LISTENING PERIOD, FREQUENCIES, AND TIMES:** The contest listening period will begin on Friday, 19 March 1998, at 1900 EST (0000 UTC) and end Sunday, 21 March 1998, at 2359 EST (0459 UTC).

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

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

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

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

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

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

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

# Listener's Notebook

**Al Quaglieri**  
 P.O. Box 888  
 Albany, NY 12201-0888  
 FAX: (518) 453-0864  
 Internet: alcue@albany.net

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

**AFGHANISTAN 7077.8 R. Afghanistan** Kabul, Dec 3, 1520-1714 with News in Pashto/Dari? was mainly on Afghanistan nx ended at 1525 then followed by commentary on Kabul/Iran 1528 a Patriotic song on Kabul 1531 3 TPs then ID as "Afghanistan—Kabul" [did not hear the word Shariah Kabul Afghanistan nor anything like Takahr; instead the ID every half hours was Afghanistan Kabul also the song was Patriotic on Kabul instead of religious as observed on 7196V Voice of Shariah] 1655 Nx in Arabic at 1700 in English. I get the impression that it was a new Afghanistan station as the format has been changed and so the announcer was not excited instead was talking slowly. The next day Dec 4 I was surprised to have a good reception at 1630 on 7077: at 1635 in Urdu, mx then ID as Voice of Shari'ah Kabul Afghanistan Urdu Service "ape ki mutafiz hai" [Voice of Shari'ah Kabul Afghanistan is at your service] and continued with Pakistan Ashman... (Broadcast) on 31 meter band that is 7600 kHz and on 75 meter band that is 4667 khz and after a moment time was announced (2200 in Afg) 2030 in Pakistan and nearby countries and Bangladesh (2230). Dec 5 s/on at 1427 and off 1713. (Vaghjee/DSWCI DX-Window/van den Boogert-TWN) 7078v Voice of Shariah, Kabul, definitely the stn here, x-7200v, //1107 MW. Hrd \*0130 and again arnd 1130 to s-off at 1715 Dec 6 after what seemed like English at 1700-1715. Signals were much better arnd 1500. Slightly different from BBCM sked. Provincial stn Takhar R. is now off the air. (6-Dec/Goonetilleke-SRI/UADX/NU/BC-DX/Bueschel-GER)

**ANTARCTICA 15476 LRA36 Radio Nacional Arcangel San Gabriel**, remains off the air, with a new transmitter (make unknown) likely as of December (98). Replacement technical staff for LRA36 recently arrived at Base Esperanza, which is scheduled to reactivate in January 1999. (Barreira-ARG)

**ARGENTINA Radiodifusion Argentina Al Exterior** winter sked:

0000-0200	Portuguese	11710
0200-0300	English	11710
0300-0400	French	11710
0900-1200	Spanish	6060 15345
1000-1200	Japanese	11710
1200-1400	Spanish	11710

1800-1900	English	15345
1900-2000	Italian	11710 15345
2000-2100	French	11710 15345
2100-2200	German	15345
2200-2400	Spanish	9690 15345

(Slaen/RI/WWDXC/Kubiak-GER)

15820.0L **Radio Rivadavia**, Buenos Aires; 0545-0607 fair. A couple of Tangos Argentinos were heard. At 0600 pips and the usual 5 minute-newscast "El Rotativo del Aire." At 0607 full canned ID was given. (13-Dec/TIN-JPN/Relampago DX)

15820.0L **Feeling FM 100.7**, Buenos Aires; 0660-0603 fair. A couple of Tangos Argentinos were heard. At 0600 pips and the usual 5 minute-newscast "Informe Feeling," then canned ID was given as "Transmite Feeling 100.7MHz, Buenos Aires, Argentina." (14-Dec/TIN-JPN/Relampago DX) December 23, 1998

**AUSTRALIA** Latest sked from *Radio Australia*:

0000-0100	English	9660 12080 15240 17715
		17750 17795 21740
0000-0100	Vietnamese	15415
0100-0200	English	9660 12080 15240 15415
		17715 17750 17795 21740
0100-0700	Grandstand*	9660 12080 15240 17715
		17750 Sa
0200-0300	English	9660 12080 15240 15415
		15510 17715 17750 21725
0200-0700	Grandstand*	9660 12080 15240 17715
		17750 Su
0300-0400	English	9660 12080 15240 15415
		15510 17750 21725
0400-0500	English	9660 12080 15240 15415
		15510 17715 17750 21725
0500-0600	English	9660 12080 15240 15510
		17715 21725
0500-0600	Khmer	15415 17750
0600-0800	English	9660 12080 15240 15415
		15510 17715 17750 21725
0800-0900	English	5995 9580 9710 12080
		15415 15510 17750 21725
0900-1100	English	6080 9580 11880 17750
0900-1200	Tok Pisin	5995 6020 9710 12080
1100-1200	English	6080 9580
1100-1230	Chinese	9500 11880
1200-1400	English	5995 6020 6080 9580

1230-1330	Vietnamese	9500 11880
1330-1430	Vietnamese	9500 11660
1400-1430	English	5995 9580
1430-1700	English	5995 9500 9580 11660
1700-1800	English	5995 9500 9580 11880
1800-2000	English	6080 7240 9500 9580 9660 11880
2000-2100	English	9500 9580 9660 11880 12080
2000-2100	Tok Pisin	6080 7240 Su-Th
2100-2130	English	7240 9500 9660 11880 12080 17715 21740
2130-0000	Indonesian	11695 15415
2130-2200	English	7240 9660 11880 12080 17715 21740
2200-2300	Chinese	15240
2200-2300	English	17715 17795 21740
2300-0000	English	9660 12080 17715 17795 21740
2300-0000	Khmer	15240

\*Grandstand is a weekend sports program Radio Australia's Brandon site is also used to relay BBCWS from 2200-2300 on 9660 and 12080. (R. Australia/Ferguson-VA)

**AZERBAIJAN (NAGORNO-KARABAKH)** 9677.7 *Voice of Justice*, still with a barely readable "FMing" signal, regularly observed on Wed and Sat at \*0600-0630\*. Heard Nov 23rd at announced 0736-0755 (I guess \*0730-0800\*). (Titarev/DSWCI DX-Window/van den Boogert-TWN)

9677.0 Xanandi, (Stepanakert), thanks Titarev tip, 0555 distorted signal, no carrier to measure the exact freq on AOR AR 7030 rx. So I assume the freq is just in the middle between 9676.20 and 9677.80 kHz. (2-Dec/Bueschel/DSWCI DX-Window/van den Boogert-TWN)

**BELARUS** 3346U Utility Relay Transmitter, 2154 Man in Russian, then woman singing ballad with flamenco-style guitar accompaniment. Familiar RS Mayak IS at 2159, six pips and announcement that included "*Radiostantsiya Mayak*." Very weak with tinny, muffled speech audio; no sign of supposed// 2338. If it's true that RS Mayak is leaving shortwave, I wonder if this relay will also cease carrying it. (11-Dec/Hill-MA) Noted on 2338U from 1715-1730, // 3346, with IDs. (13-Dec/Phillips/DSWCI DX-Window/van den Boogert-TWN)

**BELGIUM** Paul Brems from *Radio Flanders International* reports that RTBF has chosen Deutsche Telekom as its partner for re-viving its broadcasts on shortwave. On 9 Dec a contract was signed, and test transmissions were staged from mid-December onward. All transmissions are intended for Central Africa and are 100 kW from the Jülich transmitter site. Should all be satisfactory, then regular transmission are expected from 1 February 1999 onwards. No provisions for feeding the programs to Jülich have been

made yet, and so all test broadcasts will air the same program. Test sked for December was:

0600-0700	15715
1100-1200	21540
1700-1800	15715

Reception reports via E-mail may be sent to: [relint.r@rtbf.be](mailto:relint.r@rtbf.be), via fax to +32 2 737.30.32 (Mr. Jean-Pol HECK), or by ordinary mail to M. Jean-Pol HECK, Directeur des Relations internationales, RTBF, 1044 Bruxelles, Belgique. (Brems-RVI/Stienstra/DSWCI DX-Window/van den Boogert-TWN)

21540.00, RTBF via Jülich, \*1100, sign-on for first broadcast. (14-Dec/Schaay/DSWCI DX-Window/van den Boogert-TWN)

**BOTSWANA** 3356 R. *Botswana* 2127 Easy-listening vocals and Setswana chatter till 2201\*; struggling amid all the noise that infests 90M here. // 4820 considerably stronger but mixing with Ukraine. 3356 missing next afternoon, but back when tuned 0243 and heard with everybody's favorite IS ("Watch Where You Step") // 4820, 7255, and the 2X of 3356 on 6712. Four Botswana freqs simultaneously; I think that's a record for me! First time I've heard 3356 in two years; evidently it's been inactive. (4-Dec/Hill-MA)

**CANADA** Changes of RCI: 1600-1700 in Russian add 13650, 1800-2000 in Russian & Ukrainian delete 11945, 13650. (14-Dec/RCI/Ivanov + Pankov-BUL/PANVIEW-BUL/BC-DX/Bueschel-GER) Replaced 9760 by 9780, 250 kW 60 degr. 0600-0630 English, 0630-0700 French. (8-Dec/Volk-GER/BC-DX/Bueschel-GER)

**CENTRAL AFRICAN REPUBLIC** 9900 R. *Minurca*, 1800, pips and then into the BBC's "Lilly Ballero, News Desk with Bill Clinton's impeachment problems...Israel/Lebanon visit," weak signal with // 6195 which was good. At 1830 into Andy Kershaw's 'World of Music', where it was //15400 and 17830, BBC Africa frequencies. Could hear no reference to *Minurca* and faded out by 1900. Perhaps only chance of ID from this location may be just before 1800 when Chinese speaking station? signs off or possibly at 1830 when "switch" to Africa stream. My radio read 9899.96 for *Minurca*. (thanks to Schulze in DXWfor tip) (12-Dec/Norrie/DSWCI DX-Window/van den Boogert-TWN)

*Radio Minurca* is operated by the United Nations Mission in the Central African Republic. It was established to provide information to the public in the runup to legislative elections in the country, due in early 1999. *Radio Minurca* began broadcasting in August 1998, initially on FM only. Shortwave transmissions began in November 1998. Operates 24 hours in French, Sango and English

0000-0600	Multilingual	5900 9900
0600-1600	Multilingual	9500 9900
1600-0000	Multilingual	5900 9900

BBC Africa Service is relayed from 0500-0600 and 1745-1900, both Mo-Fr only. (BBCM)

**CHILE** Pinochet's revenge? Or the evangelical pentchant for taking up as many frequencies as possible? *Voz Cristiana* has a nasty spur problem, centered about plus and minus 27 kHz, but spreading plus and minus 5 kHz or more from these spots: Dec 20 at 0444 the 11690 transmitter with dirty, broad FM spurs around 11717 and 11663, covering 11708-11723 and 11660-11668 at least. And 21550 transmitter (same one?) Dec 20 at 2117 check with FM spurs around 21523 and 21577, still there at 2313 recheck (Hauser-OK/WORLD OF RADIO)

**CHINA** Sometimes it pays off to tune in-between the bands. Today (Dec 16) I found a faint signal on 4390.24 with Mandarin and which identified itself as "*China South East Broadcasting Company*." (Yes, them again and actually there was another faint voice in the background). It was //5560.24 (!!!!!) and that made me pull out my calculator and calculate the difference: 1170 kHz. That is 2x 585 kHz, which is the mediumwave frequency of SEBC. 5560.24 - 585 = 4390.24 + 585 = 4975.24 = Fujian PBS!! In other words, both 5560.24 and 4390.24 are mixing products with Fujian PBS providing the carrier and SEBC most of the modulation. Fujian PBS is in the background, but oh so faint. As 5560.24 is rather strong I wonder if anybody else has ever heard this. (16-Dec/Boogert/DSWCI DX-Window/van den Boogert-TWN)

Several new CPBS channels are now operational. CPBS-1 is observed on new 7305, 9645, 9675, 11830 & 11860; and CPBS-2 on 5010, 7200, 7315, 11670, 11730, 11740 (reactivated), 12080 (also Tibetan), 15540 & 15570. CPBS Taiwan Svc noted on 5090, 7620, 9380, 11100, 11935 & 15710; CPBS-6 on 6790, 9170, 11000 & 15880. The Minorities Svc has been rescheduled, with 0430 Korean being replaced by an extra half hour at 1000. As a result, the Tibetan, Uighur and Kazakh block is now 30 mins. later, at 1100-1230 (on 8566 & 11375). (Jones-PAR/DSWCI DX-Window/van den Boogert-TWN)

**CRI** via Urumchi is back on air with four transmitters. Dec 1, Enormous signals here evenings on 7375 & 7385—both doing EeEUR langs when tried. The highest freq used is 11515 at 1500-1600. Urumchi not on air before 1400, very strange as you remark. I suppose its the Kunming site used 0900-1100 in English for AUS/PAC on 15210 clear, and 17755 (co-ch REE). (Green/Bueschel/DSWCI DX-Window/van den Boogert-TWN)

5010.00, The recently reported new Chinese station on 5010 kHz is NOT Guangxi Economic PBS, but CNR 2. S/on time unknown to me, but closing at 1600 sharp. Signal here in Taiwan S9+20 and this outlet is most likely a move from 5075 kHz which has been missing and which had about the same strength.— In case you have difficulties IDing Chinese stations,

visit my web site <http://www.swl.net/radiochina/> with a crash course in Mandarin, plus clips of many a station's Mandarin ID. No matter what, always check parallel outlets of CNR 1, 2, Taiwan program or Chinese World program. (van den Boogert-TWN/DSWCI DX-Window)

**CHINA—TAIWAN** *Radio Taipei International* noted in French 0700-0800, 1800-1900 and 2000-2100 on NF 9985 (via WYFR), German 1800-1900 on 9955 (direct), 2100-2200 5810 and 9985 (via WYFR). English 2200-2300 5810 and 9985. (20-Dec/RVI Radio World/van Oudheusden/EDXP/Padula-AUS)

**CLANDESTINE—ASIA** From Sri Lanka, *Liberation Tigers of Tamil Eelam* are back on SW, as The V. of the Tigers, trial run at 0100-0130 on 7460 (13-Dec/TamilNet website/BBCM/World of Radio) Hmmm, same site as IBC at 0000-0100? We can't be sure it's CIS (Hauser-OK) I have been listening to V of Tigers 7460 0100-0230. Judging from the signal strength, the transmitter seems to be about 5 kW possibly located in the rebel base in Mullaitivu jungle in Sri Lanka's north eastern province. All prgs are in Tamil. (20-Dec/Weerakoon-SRI/UADX/BC-DX/Bueschel-GER)

**CLANDESTINE—MIDEAST** 5830 *Radio Tomorrow's Iran* (Radio-ye Iran e Farda) Thanks to Hans Johnson tip Dec 17 I tuned to this freq, 1758 OC, nothing at 1800 and at 1812 by an announcement by man in Farsi then short mx and talk sounded like koudha...then followed by a pop song talk and a song. 1829 ID by man sounded like "Chiraye Iran Azad" [but later Hans informed me that he believed the ID is "In Seda-ye Iran Azad"], 1830 went off after reciting a poem on Iran. Heard again on 18 and 19 at 1800-1830 the reception was much better than on Dec 17. Open the prog with instrument mx then ID by man as "In Seda-ye Radio-ye Iran e Farda" then the same mx followed by talk and nx, after nx at 1806 an English song and commentary; after that and a song and talk 1829 ID and went off at 1830 after recital of the same poem on Iran. (Vaghjee-MAU)

*Voice of Iraqi Kurdistan* (Kurdish: era dangi kurdistana iraqiya; Arabic: sawt kurdistan al-iraq, sawt al-hizb al-dimuqrati al-kurdistani al-iraqi) broadcasts in support of the Kurdistan Democratic Party (KDP) led by Mas'ud Barzani.  
0345-0600 Kurdish/Arabic 4085v  
1600-1830 Kurdish/Arabic 4085v  
(BBCM)

**CROATIA** 7525 NF *HRTV* 1955 with sports reports in Croatian with refs to Yugoslav groups sudden s off at 1959. ID found next day on 1810 while in news reports. (19-Dec/Liangas-GRC)

English news bulletins at 0200 & 0300 are now on 6130 (ex 9925). (Grishin-ONT/WORLD OF RADIO/Hauser-OK/EDXP/Padula-AUS)

<b>CUBA</b> <i>Radio Habana Cuba</i> is now testing on 11705 reduced carrier 30 kW. English from 0100-0500. (20-Dec/Coro-RHC/EDXP/Padula-AUS)	0600-0700	French-A	21620 17800 15300 15155 15135 11700 9790 7135 5925 3965
<b>DOMINICAN REPUBLIC</b> 3439.9 <i>R. Clarin</i> 2204 Presumed this one (4X of nominal 860 kHz MW) in Spanish with long string of ads, then talk; weak with deep fades. ID per Krueger item in NU 1503. (4-Dec/Hill-MA)	0700-0800	French-A	21620 17850 15315 15300 11700 9790 7135
<b>ETHIOPIA</b> 9560.4 <i>R. Ethiopia</i> , 1347-1428, Lang: afar & arabic local chorus repetitive speech singin until 1358 talk in Afar (acc. to WRTI 97), keyboard gongs at 1400 news in Arabic mention: America, Israel, Iran, Irak and several times Mr Arafat 1411 instrumental music with organ, typical music of the region with flute & percussion at 1413, ID: Huna Ethiopia at 1415 flute music alternate with short messages until 1428, severe QRM from RCI on 9555 starts at 1428. (15-Dec/Pammer/DSWCI DX-Window/van den Boogert-TWN)	0800-0900	French-A	21620 21580 17620 15315 15300 11845 11700
	0900-1000	French-A	21620 21580 17620 15300 11845
	0930-1000	Portuguese	11670 9715
	0930-1030	Chinese	9810 9660
	1000-1030	Spanish	11670 9790 9715 5920
	1000-1100	French-A	21685 21620 21580 17850 17620 15300 11845
	1030-1100	French	17560 15435 9830 9790 7140
	1100-1200	French	21685 21620 21580 15315 13640 13610 11890 6175
	1100-1200	French-A	21755 21685 21580 17620 15315 15300 11845 11670 6175
	1100-1200	Laotian	12015
	1200-1230	Spanish	17560 15515 15435 13640
	1200-1300	Cambodian	12015
	1200-1300	Chinese	7430 7140
	1200-1300	English	17575 15540 15195 15155 11600 9805
	1200-1300	French	17560-(fm 1230) 15515- (fm 1230) 11670 6175
	1200-1300	French-A	21685 21580 17850 17620 15315 15300 11845 11670 9790
	1300-1400	French	21645 17860 15195 15155- 13610 11670 9805 6175
	1300-1400	French-A	21685 21580 17620 15315 15300 11845 9790
	1400-1430	French	21645 17650 15605 15315 15300 13610 11910 11845 6175
	1400-1430	Russian	15605 15155 11670
	1400-1430	Spanish	21765 21645 17860 15515
	1400-1500	English	17560 12030 11910
	1400-1500	French-A	21685 21620 21580 17620 15300 11845
	1400-1500	Vietnamese	6120
	1430-1500	Creole	17860 15300 11845
	1430-1500	French	21765 21645 17860 17650 15605 13610 11910 6175
	1500-1600	French	17605 15605
	1500-1600	French-A	21685 21620 21580 17850 17620 15300 11845
	1500-1600	Serbo-Croat	11670 9805
	1600-1630	Spanish	21765 21645 17860
	1600-1700	Arabic	12025 9845 9790
	1600-1700	English	15530 15210 12015 11995 11615
	1600-1700	French	21685 17605 15300 13610 9495 7315
	1600-1700	French-A	21685 17620 15300 11700
	1600-1700	Romanian	11670 9805
	1700-1730	English	15210 11615
9704.20 <i>R. Ethiopia</i> ; Gedja, 1955-2000*, News in Armharic by M speaker, at 1957 news about Pinochet, at 1958 ID as 'Ethiopia Radio' and presumed freq announcement followed by national anthem with M choir to s/off at 2000, very strong signal. (11-Dec/Van Rooy/DSWCI DX-Window/van den Boogert-TWN)	0000-0030	French	15440 12025 11995 9805 9800
	0000-0100	Portuguese	13625 11850
	0030-0100	French	12025 11995 9805 9800
	0100-0130	French	11600
	0100-0130	Spanish	11995 9800 5920
	0130-0200	French	11995 11600 9800 5920
	0300-0400	French	7315 6045 5990 5945 3965
	0300-0400	French-A	11700 9790 7315 7135 5945
	0400-0430	French	9845 9550 7315 7135 5990 5945
	0400-0430	Russian	7280 6045 5990
	0400-0500	French-A	11700 9845 9790 7135 4890 3965
	0430-0500	French	9550 7280 7135 6045 5990 5945
	0500-0530	French	9805 9745 9550 7280 7135 6045
	0500-0600	French-A	15155 11995 11700 9845 9790 7135 5990 5925 4890 3965
	0530-0600	French	9805 9745 9550 7315 6045 5990-(to 0545)
	0545-0600	Polish	9805 5990
	0600-0700	French	15605 11685 9805 9745 7280 6045

1700-1800	Arabic	9845 9790 7350 7325
1700-1800	French	21685 15300 15210 13610 9495 7315 6175 15300 11965 7160
1700-1800	French-A	7135 5900
1700-1800	Polish	15530 12015
1700-1800	Portuguese	21765 21645 17630 17575
1800-1830	Spanish	13610 11995 7135 6175 5900
1800-1900	French	15300 11995 11965 11705 9790 9485 7160
1800-1900	Persian	7350 5925
1900-2000	French	13610 11995 7350 7135 6175 3965
1900-2000	French-A	15300 11995 11965 11705 9790 9485 7160 7135 6175
1900-2000	Russian	5900 3965
2000-2100	French	13610 7350 6175 5915
2000-2100	French-A	15300 11995 11705 9790 9485 7160 6175
2000-2100	Serbo-Croat	7135 5900
2030-2100	Portuguese	17620 15200
2100-2130	French	13610
2100-2130	Spanish	21765 17630
2100-2200	French-A	15300 9790 9485 7315 7160 6175 5945 3965
2100-2200	Romanian	7135 5900
2130-2200	French	21765 17630 13610
2200-2300	Chinese	7430 7315
2200-2300	French-A	11670 9805
2200-2300	Polish	5915 3965
2200-2300	Portuguese	17620 15200 11995
2300-2330	French	15440 12075 12025 9805
2300-2330	Spanish	13640 11995 11670 9800 5920
2330-0000	French	15440 15200 13640 12075 12025 11995 11670 9805 9800

French-A = French for Africa (BBCM)

**GEORGIA (ABKHAZIA)** 9489.75 R. *Sotchi* (Sotchi, Krasnodarsky Krai), Nov 25, observed for the first time on SW today, using Sukhumi transmitter. At 0441, Sukhumi faded in (from barely audible at 0435 to S9+25, strong and clear, at 0441), carrying R. Rep Abkhaziya (man talking in Abkhaz, 0444:50 woman with final few words in Abkhaz, and traditional, very short "pip" marking the end of program from the Sukhumi studio). After a few seconds pause, woman gave the announcement in Russian, "Vefire R. Sotchi." Local news, but first a recorded interview with Galina Starovoytova (the Russian politician who was shot dead a few days ago). From 0500, R. Rossii was on this channel until 0700, when transmitter went off. I could hear Sotchi before on FM only, and seemingly a few times on MW (via Krasnodar powerhouse); at least I can't recall picking them up on any SW freq. Krasnodarskoye Radio also appeared a few times in recent weeks on this channel, before 0500 (then RS); but this is not new (I've heard Krasnodar via Sukhumi many times

in the 1990s). The quality of the audio hints at phone lines being used to deliver the signal from Sotchi to the transmitter. (Titarev/DSWCI DX-Window/van den Boogert-TWN)

**GERMANY** 5850 *Sunrise Radio*, 1140 M voice speaking in Asiatic (unknown) language. At 1145 UTC several ID in English and other various languages + advertising. At 1150 live phone call with listeners. (10-Dec/Probi/DSWCI DX-Window/van den Boogert-TWN)

*New Deutsche Welle* Ukrainian service begins in January 0530-0600 on 5995 and 7155. (16-Dec/DW/BC-DX/Bueschel-GER)

**GREECE** *Voice of Greece* schedule, compiled via monitoring and website info:

0000-0400	Greek/EE	9420a 9375k 7475k 7450a (EE 0130, 0340)
0400-0550	Greek	11595k 9420a 9375k 7450a
0525-0540	Arabic	11595k 9420a 9375k 7450a
0540-0550	Turkish	11595k 9420a 9375k 7450a
0600-0740	Greek	9755d 9420a 9375k 7450a 7430k
0740-0800	English	9755d 9420a 9375k 7450a 7430k
0900-0950	Greek	17525a 15630a 9770d
1000-1135	Greek	15630a 9420a
1135-1150	Turkish	15630a 9420a
1200-1230	Greek	15630a
1200-1400	Greek	12105k 9690g 9420a
1230-1240	Arabic	15630a
1240-1250	English	15630a
1300-1350	Greek	11645a
1335-1350	Russian	11645a
1350-1400	English	12105k 9690g 9420a
1400-1450	Greek	11645k 9375k
1400-1800	Greek	9420a 7450a
1430-1450	Arabic	11645k 9735k
1500-1600	Greek	9375k 7475k
1600-1615	Albanian	9375k 7475k
1615-1630	Serbo-Croat	9375k 7475k
1630-1645	Bulgarian	9375k 7475k
1645-1700	Romanian	9375k 7475k
1710-1725	Greek	9375k 7475k
1725-1740	Russian	9375k 7475k
1740-1750	Polish	9375k 7475k
1800-1815	English	17705g 15485d 9425a 7450a
1800-1850	Greek	15630k 12105k
1815-1830	Spanish	17705g 15485d 9425a 7450a
1830-2050	Greek	17705g 15485d 9425a 7450a
1840-1850	English	15630k 12105k
1900-1910	English	9375k 7475k
1910-1920	French	9375k 7475k
1920-1930	German	9375k 7475k

1930-1940	Italian	9375k 7475k
1940-1950	Swedish	9375k 7475k
2000-2015	Bulgarian	9375k 7475k
2015-2030	Albanian	9375k 7475k
2030-2040	Romanian	9375k 7475k
2040-2050	Serbo-Croat	9375k 7475k
2050-2100	Greek	17705g 15485d
2100-2150	Greek	17705g 15485d 9375a 7450a
2100-2240	Greek	9425k 7475k
2150-2200	Greek	17705g 15485d 9375a
2200-2250	Greek	9400a
2200-2250	Greek	9375a (to 2350?)
2240-2250	English	9425k 7475k
2300-2350	Greek	11645k 9420a 9400k 7450a
2305-2320	Portuguese	11645k 9420a 9400k 7450a
2320-2350	Spanish	11645k 9420a 9400k 7450a
2335-2350	English	11645k 9420a 9400k 7450a

a—Avlida (Avlis)—100 kW d—Delano, USA—  
250 kW g—Greenville, USA—250/500 kW k—Kava-  
la—250 kW

**Radiophonikos Stathmos Makedonias** (Mace-  
donian Radio Station), via Thessaloniki (35 kW):

0600-1400 11595 9935  
1400-2300 11595 9935 7430

(Rigas-IL + Koie-DEN + PANIVIEW-BUL/BC-DX/Bue-  
schel-GER) [The VOG sked is bound to be very wrong  
in places...not only was it tough to decipher, but  
changes seem to occur daily-AQ]

**GUAM** Frequency changes of **AWR / KSDA**, Agat:  
1100-1200 NF 11660, in Mandarin 1100- 1500 NF  
15725, in Mandarin 1200-1300 NF 11660, in Korean  
1300-1400 NF 11660, in Japanese/EE 1400-1500 NF  
9385, in Sinhala/EE 1400-1500 NF 11625, in Bur-  
mese 1500-1600 NF 9385, in Telugu/Punjabi 1500-  
1600 NF 11625, in Hindi/EE 1600-1700 NF 11625, in  
Vietnamese 1600-1800 NF 9385 plus NF 11550, in  
Arabic 2000-2100 NF 9370 and NF 9515, in Korean  
2300-0200 NF 17715, in Mandarin 0200-0400 NF  
21770 in Mand (Sat/Sun only). (14-Dec/PANIVIEW-  
BUL/BC-DX/Bueschel-GER) [ED NOTE: I present this  
punctuated as received...unsure if frequency comes  
before language or vice versa!-AQ]

**Trans World Radio (KTWR)**

0740-0915	English	15200
0800-0930	English	15330
0915-0930	Balinese	15200 Mo/Tu
0915-0930	Madurese	15200 Fr-Su
0915-0930	Torajanese	15200 We/Th
0920-1100	Chinese	11670 9540
0930-1100	English	9865
0930-1100	Indonesian	15200
1100-1130	Chinese	11670 9555
1100-1230	Indonesian	15165
1130-1400	Chinese	9820 9590

1140-1155	Vietnamese	9870
1200-1300	Japanese	9465
1330-1345	Assamese	15595 Mo/Tu
1330-1345	Boro	15595 We-Su
1330-1400	Swatow	9870
1345-1400	Santali	15595
1400-1415	Bengali	15595 Mo/Tu
1400-1415	Cantonese	9870 Sa
1400-1415	Tamil	15595 We-Sa
1400-1445	Cantonese	9870 Mo-Fr
1400-1500	Cantonese	9870 Su
1400-1515	Chinese	9820 9545
1430-1515	Burmese	9430
1500-1630	English	15330
1515-1530	Vietnamese	9430
2100-2200	Indonesian	11810
2100-2200	Japanese	11690
2100-2200	Korean	9465
2200-2215	Cantonese	11875 Sa
2200-2230	Indonesian	15195
2200-2245	Cantonese	11875 Mo-Fr
2200-2300	Cantonese	11875 Su
2200-2315	Chinese	11995

(BBCM)

**INDIA AIR Ranchi** is still off the air on SW 4960  
kHz -possibly due to transmitter problem. (Das Gup-  
ta—IND)

Also here is a list of frequencies that are now be-  
ing used from **AIR Panaji**, Goa all 250 kw. In this  
D98 or B98 sked AIR is using this facilities in the  
evening instead of in the morning.

1115-1200	Thai	15340
1115-1215	Tamil	17595
1215-1245	Telugu	17595
1215-1330	Tibetan	11695
1300-1500	Sinhala	9700
1330-1430	Nepali	11695
1530-1545	English	9700 11740
1615-1730	Hindi	12040
1615-1730	Persian	7265

(Das Gupta—IND)

**INDONESIA** 2694.9 **RPDT2 Ende** (p) Jakarta news  
relay was heard on very weak signal at 1302. After  
hearing of ending music "Bagimu Neg'ri," lost its  
sound, but still found the carrier. (19-Dec/Yamada-  
JPN/Jembatan DX)

2899.0 **RPDT2 Ngada** (p), M talk program at  
1244. Very weak signal. (19-Dec/Yamada- JPN/Jem-  
bantan DX)

3158v Unidentified, Indonesian, 1243-1325,  
possibly an Indonesian amatir (pirate). This one has  
been heard at times on previous DXpeditions to the  
WA coast. Frequency always varies rapidly +/- .4  
kHz around 3158kHz, and modulation is a horrible  
mess. Programing consists of Indonesian rock music  
and infrequent, unpredictable brief announcements  
(song titles?). The language is recognizable as Indo-  
nesian, and I've never caught even a hint of an ID,

although the signal has been fair-good at times. The lack of SCI, Jakarta relay, anthems, etc. points to an unlicensed broadcaster. Also, I think it's significant that 3158kHz has been vacant on local Sunday (Indonesian Monday) evenings--perhaps this station is a student doing his free radio thing on weekends only. In the 1980s, a couple of RPDs were active between 3155kHz and 3164kHz, but they've been off for years. Always one of the more tantalizing DX signals heard here. Comments from Aussie DXers welcome! (28-29-Nov/Atkins-WA/Numero Uno/Yamada-JPN/Jembatan DX)

3264.9 **RRI Bengkulu**, Jakarta news relay at 1515. ID by M at 1519 and talk. Love Ambon at 1524 and signed off at 1526. Poor. (2-Dec/Yamada-JPN/Jembatan DX)

3355.5 **RRI Jambi**, Local pops at 1338. I confirmed //4925.0kHz which was much better. (19-Dec/Yamada-JPN/Jembatan DX)

3508.0 Unidentified, Islamic music at 2114. Talk by W at 2120 including time announcement of Waktu Indonesia Tengah. Local pops at 2129 then M talks. Poor. I could not find the station at 2100, so the station maybe started past 2100. (19-Dec/Yamada-JPN/Jembatan DX)

3541.8 **RPDT2 Sumba Timur** (p), Instrumental music at 1350. then M talks. (19-Dec/Yamada-JPN/Jembatan DX)

3636.9 Unidentified, Dangdut music at 2116. Heard on AM sound. Hum station? Between 3500kHz and 3700kHz, many Indonesian stations were heard around this time. Maybe these stations operate Ramadan season only. (19-Dec/Yamada-JPN/Jembatan DX)

3905.0 **RRI Merauke**, Christmas music at 1132 and followed to English music program. Jakarta news relay at 1200 which was not heard SCI before the hour. ID at 1221 then "Angkatan Bersenjata" preceded by own studio but same theme music as the program produced by RRI Jakarta. After theme music, the modulation became low. Fair to poor. (13-Dec/Yamada-JPN/Jembatan DX) 1847 with dangdut songs man then with Quranic preaches. (19-Dec/Li-angas-GRC)

3960.4 **RRI Palu** (p), Heard at 0954 with reading of Holy Koran and Islamic music program. Also heard at 1930 in the first Ramadan day. Poor. (19-Dec/Yamada-JPN/Jembatan DX)

3976.1 **RRI Pontianak**, 1028, news in BI of North Korea and Lima, Peru and then into local news and firm ID, like a local (2-Dec/Norrie/DSWCI DX-Window/van den Boogert-TWN)

3987.2 **RRI Manokwari** (p), Talk and local pops program at 1118. Poor. (19-Dec/Yamada-JPN/Jembatan DX)

4000.17 **RRI Kendari**, 1026, With firm ID and station jingle, good signal (2-Dec/Norrie/DSWCI DX-Window/van den Boogert-TWN)

4078.0 **RRI Pontianak**, Local news at 1420, ID by M at 1428 then lagu hiburan. This is the spur of 3976.1kHz. (19-Dec/Yamada-JPN/Jembatan DX)

4789.9 **RRI Fak Fak**, "Kang Guru Radio English Show" at 1015 which is still heard every Tuesday. 3 pieces of English pops at 1022. ID by W at 1032 as "Radio Republik Indonesia Fak Fak" then pop music program. Poor. (8-Dec/Yamada-JPN/Jembatan DX)

4845.2 **RRI Ambon**, The program heard like as "Berita Luka" at 2050. ID by W at 2059 then Jakarta news relay. SCI was not found before Jakarta news. Poor. (5-Dec/Yamada-JPN/Jembatan DX)

4874.5 **RRI Sorong** \*2059 carrier on at 2059, then music (SCI?) and announcement; into RRI news relay at 2100 // Jambi, which was on extended sked for Ramadan. Orchestral theme at 2105 and continued with local programming, which seemed to consist of nondescript orchestral music interspersed with talks by man and woman. Very weak, then begins to fade around 2120 and is only a faint het by 2130. Apparently this freq now replaces 9741.6 for the morning transmission. (17-Dec/Hill-MA)

7234.42 **RRI Palu**, 0720, caught a weak to fair signal under high static with spoken word in BI, ID then at 0724 (5-Dec/Werdin/DSWCI DX-Window/van den Boogert-TWN)

9552.53 **RRI Ujung Pandang**, 0312, strong here with S7-8, W voice with market prices, not blue chips, but vegetables, meat and fish, program continued past 0800, when 4753 already came up in (5-Dec/Werdin/DSWCI DX-Window/van den Boogert-TWN)

9554.2 **RRI Jakarta**, Kebayoran. SCI at 1458. "Aneka Berita" at 1500.//4777.1kHz & 11760.0kHz. This is the 2nd harmonic of 4777.1kHz. Poor. (19-Dec/Yamada-JPN/Jembatan DX)

9614.3 **RRI Samarinda**, 0515, end of Jakarta news relay into "Bagimu Negeri" hymn into local program with oldfashioned Kroncong, continued until 0715 when s/off after another relay of Jakarta news, fair level but unid het (5-Dec/Werdin/DSWCI DX-Window/van den Boogert-TWN)

9705.0 **RRI Pontianak**, 0520, strong here with S9 and sweetpops, at 0530 5-tone IS, TS, TA for WIB, ID into warta berita daerah (district news), at 0558 usual procedure with Rayuan Pulau Kelapa before relay Jakarta news, in turn followed by "Bagimu Negeri" (5-Dec/Werdin/DSWCI DX-Window/van den Boogert-TWN)

About Gaku Iwata's tip of Jembatan DX No.62, he reported **Voice of Malaysia's** announcement in Voice of Indonesia program on 11785kHz at 0801. I also heard Voice of Malaysia announcement on 11785kHz at 0835 on Dec 8. The program was consisted of music and topics in Indonesia, Malaysia, Myanmar, Philippines, etc. I presume this program is produced by the cooperation with Voice of Malaysia. Other cases of the program which produced in coop-

eration with station outside Indonesia, are seen the program in RRI Jakarta with R.TV Malaysia, and RRI Jakarta with R. TV Brunei. Both programs are heard at 0405 and 0800 on every Sunday. (Juichi Yamada, JAPAN)

The song played by *RRI Jakarta* at the end of the news relay, it's name is "Bagimu Negeri" which roughly translates into "For Your Country." It's one of the many national songs of Indonesia, like The National Anthem "Indonesia Raya," the Pancasila-Song, Rayuan Pulau Kelapa and others. If you want to listen to them, there is a website complete with midi-files and texts (in Indonesian): <http://www.geocities.com/SoHo/1823> or, alternatively <http://welcome.to/SongsIndonesia>. There are also many folk songs and pop songs available, together with links to other sites with Indonesian music. (Weirdin-IND/DX Window/Jembatan DX/Yamada-JPN)

**IRAQ** Satellite feeds of radio services, external and domestic, and SW and MW frequencies disappeared abruptly at 2330 Dec 16, as air strikes on Baghdad were being reported, and still had not returned by 1130 Dec 17. (BBCM) As of 21 December, *Republic of Iraq Radio* continued to be observed on 9715 kHz; it has also been reported to be using shortwave 5935 kHz. The Iraqi News Agency, *INA*, continued to transmit radiotelegraphy signals on 10162.5 kHz. (BBCM)

**ITALY AWR** Forli B-98 schedule:

0630-0800	French/AA	7260
0800-0900	Italian	7230 Mo-Fr (Sa/Su via DTK same)
0900-1000	German/EE	7230
1000-1100	Arabic	11700
1100-1300	Italian/GG/EE	7230
1300-1430	French/AA	11700

(14-Dec/PANIVIEW-BUL/BC-DX/Bueschel-GER)

**JAPAN** 3262.8 *NHK Fukuoka*, 0800, Very weak in USB with M speaker in Japanese. Keep an eye on this upcoming weeks. Again this day heard very weak at 1224 with M speaker in Japanese, at 1234 M Japanese song, only pieces of program heard, at 1250 M talk in Japanese and at 1252 W songs. (11-Dec/van Rooy/DSWCI DX-Window/van den Boogert-TWN)

Due to the current situation in Iraq, *NHK World Radio Japan* has extended its broadcasting hours as follows:

0400-0500	Japanese	17820 Sri Lanka
0500-0700	English	15310 Yamata
0900-1100	Japanese	17795 Sri Lanka
1100-1500	Japanese	15230 Gabon
1300-1400	Japanese	11880 Sri Lanka
1500-1600	Japanese	15230 Gabon
1800-2400	Japanese	11880 Sri Lanka
2400-0200	English	11880 Sri Lanka

(18-Dec/Hishikawa-JPN/BC-DX/Bueschel-GER)

[Don't know if this remains now that the bombing has stopped.-AQ]

**KOREA—NORTH** 3959.7 *KCBS Chongjin* 2133 Typical ranting and raving by man in Korean; somewhat better than // 2850, though hardly overpowering, and intermittently battered by ham QRM. Improving by 2145 T/O; still there around 2200 but only a faint het by 2230. Rarely audible here. (5-Dec/Hill-MA)

9666.2 *KCBS*, 0808 M speaker in Korean, // 11679.80, at 0815 Korean W songs. 9666.20 = Pyongyang, 11679.80 = Kanggye (7-Dec/van Rooy/DSWCI DX-Window/van den Boogert-TWN)

**LIBYA** new 11815 *LJB Voice of Africa* Tripoli, LBY mx at 1320, regular 1040-2300. Terrible distorted overmodulated signal, much better on//15415.// 15435 suffers QRM by co-ch BSKSA Riyadh in Ar 500 kW 295 degr.//ARS 15377.00. (6-Dec/BC-DX/Bueschel-GER)

**LITHUANIA Radio Vilnius**

0000-0030	Lithuanian	6120-Germany
0030-0100	English	6120-Germany
1000-1030	Lithuanian	9710
1030-1100	English	9710

(BBCM)

Anew 100kW SW transmitter from Continental Electronics (USA) will be installed at the Sitkunai site in the first quarter of 1999. It will be used primarily for *R. Vilnius* broadcasts to NA, replacing the present relay via Germany. Future plans are new antennas for NA and Europe, and a resumption of *R. Vilnius* transmissions to Europe. (Trutenau/DSWCI DX-Window/van den Boogert-TWN)

**MADAGASCAR** 3215 *AWR Talata-Volondry*, 1709-1714, W speaker in French, music bridges, ID and address at 1711, choral song. (13-Dec/Veldhuis/DSWCI DX-Window/van den Boogert-TWN)

3287.7 *RTV Malagasy*, Antananarivo, 1739-1750, Program in Malagasy with M and W speakers. // stronger 5009.4 kHz. (13-Dec/Veldhuis/DSWCI DX-Window/van den Boogert-TWN)

**MALI** Bamako was identified at 0810 on 7285.4 in //with 9632.98. The Chinese speaker on 7285 did not fade up until about 0825 today. (10-Dec/Green-UK/BC-DX/Bueschel-GER)

9633.1 *ORTM*-Mali, 0815-1000, ethnic language fast spoken word program by M, 0830-0930 mostly selection of typical west-African music with traditional instruments. Audible during whole time but decreasing signal. Dull sounding modulation. (15-Dec/Pammer/DSWCI DX-Window/van den Boogert-TWN)

**MOZAMBIQUE** 3210 *R. Mozambique* 2202 Likely Maputo with man in what sounded like Portuguese, then presumed NA; silence at 2207 and pulled the

switch a minute later. Very weak, just barely above all the band noise. A rather sketchy logging, but this is worth checking again from time to time, as Mozambique has become exceedingly difficult to hear from this part of the world. (10-Dec/Hill-MA)

4879v **R. Mozambique** (t); Dec. 8, 2020-2115, Unknown. Vn/Portuguese. W announcer listening, very patiently, and giving brief answers to listeners (telephonic?) questions. Brief Afropop bridging. At 2100 there was a sudden switch to Portuguese with the ID "R. Mozambique," followed by a short station jingle. "Journal" program followed consisting of news items of Southern Africa, lots of items about Mozambique and Angola. Pres. Mandela mentioned several times.

I can find no reference to R. Mozambique on this frequency. Station was heard again on Dec. 10. Programming followed very much on the previous log. Transmission was first heard on 4874 and drifted to 4879 where it stabilized. At 2100 there was the same switch to Portuguese followed by "Journal" program much with similar contents.

ILGRADIO lists R. Pemba, Pemba [Cabo Delgado Region Mozambique] 0400-2000 in Macua/Portuguese daily on 4887 kHz... Does it drift? Is it still on the air? Could the transmission times of this station have changed? Even if they had, and local station switched to Maputo R. Mozambique at 2100 with only a 0.25 Kw transmitter would signal be heard in Pretoria in present Summer storm conditions. I think not—Very intriguing. (8, 10-Dec/Clemitsen/DSWCI DX-Window/van den Boogert-TWN)

**MYANMAR 7185 R. Myanmar** \*0030 Exotic Burmese music with lots of percussion; brief announcements by woman in Bamar interspersed with vocal offering and more local music. Man took over at 0034 with what sounded like some kind of exhortation. Considerably stronger than usual, though very choppy as always. (5-Dec/Hill-MA)

**NEPAL 7164.4 Radio Nepal**, Khumaltar, 0120, News in Nepalese by W speaker. Still using summer frequencies so late this year, // 5005.50. Weak on both channels. (4-Dec/van rooy/DSWCI DX-Window/van den Boogert-TWN) Noted @2300 in Nepalese. (9-Dec/Schaay-HOL)

**PAPUA NEW GUINEA** Here is an updated listing of current PNG SW operations. Be advised that many stations do not operate every day—some operate during local mornings on special occasions when carrying broadcasts to celebrate all-night feasts. There are NO LONGER ANY OPERATIONS ON 6 MHz or 11 MHz. Reports suggesting reception of PNG on 6020 in the local evening period are quite erroneous—this is Radio Australia with its Tok Pisin service 0900-1200!!!

2410 **R. Enga, Wabag** 0700-1200

3205	<b>R. Sandaun, Vanimo</b>	0700-1200
3220	<b>R. Morobe, Lae</b>	0700-1200
3235	<b>R. West New Britain, Kimbe</b>	0700-1200
3235	<b>R. West New Britain, Kimbe</b>	1900-2200 irr. lcl mornings
3260	<b>R. Madang, Madang</b>	0700-1200
3275	<b>R. Southern Highlands, Mendi</b>	0700-1200
3315	<b>R. Manus, Lorengau</b>	0700-1200
3315	<b>R. Manus, Lorengau</b>	1900-2200 irregular local mornings
3325	<b>R. North Solomons, Kieta</b>	0700-1200
3335	<b>R. East Sepik, Wewak</b>	0700-1200
3345	<b>R. Northern, Popondetta</b>	0700-1200 irregular
3355	<b>R. Simbu, Sudiwawa</b>	0700-1200 irregular
3365	<b>R. Milne Bay, Alotau</b>	0700-1200
3365	<b>R. Milne Bay, Alotau</b>	1900-2200 irr. lcl mornings
3385	<b>R. East New Britain, Rabaul</b>	0700-1200
3395	<b>R. Eastern Highlands, Goroka</b>	0700-1200
3880	<b>R. United Bougainville, Loloho</b>	0900-1200 irregular
3905	<b>R. New Ireland, Kavieng</b>	0700-1200
4890	<b>NBC, Port Moresby</b>	0700-1200 s/ off varies
4890	<b>NBC, Port Moresby</b>	1900-2230
9675	<b>NBC, Port Moresby</b>	2230-0700 (Padula-AUS/EDXP)

**PERU 5949.3v UNID**, Dec 1, 0934, National Anthem, in progress (so presuming s/on 0930\*), opening announcement and ID by man barely readable, only understood "luterana" and a possible mention of mw frequency, maybe an ID for "Proyeccion Cristiana" but not sure. Rlg msgg by man followed and at 0941 a rlg anthem sung by a choir of Ms was played up to 0945. Another mx theme, then rlg talk by man, echoed modulation, mostly unreadable but got a "bienaventurados." Another mx theme w/duet also rlg content at 0650. Beginning to fade-out and a het starting to bother circa 1000. Also voice ute QRM on 5946 spoiled it badly. Therefore, I think this station is connected with the Peruvian Lutheran church. (Nigro) Couldn't check it the next following day, Dec 2, neither condx favoured it when checked on Dec 3) Will keep trying as propagation and personal duties permit. (1-Dec/Nigro-URU/DSWCI DX-Window/van den Boogert-TWN) 5949.32 UNID OA station was heard at 1032-1040 on 05/DEC/98 with a religious music programming. (5-Dec/TIN-JPN/Relampago DX)

6797.7 **Ondas del Rio Mayo**, Nueva Cajamarca, 0000 Spanish announcements and Peruvian folk song, advertisements. ID at 0010 UTC. (11-Dec/Schaay-HOL)

<b>PORTUGAL Radiodifusao Portuguesa</b> (RDP Inter-nacional)			1300-1400	Russian	12015
0000-0430	Portuguese	13700 13640 11840 11655 9715	1400-1500	Chinese	9450 7205 7135 6205 4010
0700-0100	Portuguese*	21655	1400-1500	Dari/Pashto	15460 9490 4975 4940 4730
0700-0730	Portuguese	11960	1400-1500	Russian	12015
0730-0800	Portuguese	11960 11660	1400-1500	Urdu	12055 11655 9800 9780 7400
0800-0900	Portuguese	15140 11960 11660	1500-1530	English	11500 9775 7440 6030
0800-1800	Portuguese	17725 15555 9780 Sa/Su	1500-1530	Hindi	12055 11655 9800 9490 7400
0900-1000	Portuguese	17740 Sa/Su	1500-1600	Turkish	9830 9470 7210
0900-1000	Portuguese	15140 11960	1530-1600	Bengali	12055 11655 9490 7400
1000-1200	Portuguese	21720 17725 15140 11960 Mo-Fr	1530-1600	English	11500 9800 9775 7440 6030
1000-1200	Portuguese	17725 Sa/Su	1600-1630	Albanian	9450 7370 7330
1200-1300	Portuguese	15140 11960 Mo-Fr	1600-1700	English	9480 7210
1200-1300	Tetum	17740 Mo-Fr	1600-1700	German	9810 9795 7440 7390 7300 6030 5950 5920
1300-1400	Portuguese	17740 Mo-Fr	1600-1700	Persian	9975 9840 5935 5925
1300-1430	Portuguese	21515 Mo-Fr	1600-1700	Russian	9470
1300-2100	Portuguese	15200 Sa/Su	1630-1800	Serbo-Croat	9450 7370 7330 6030
1500-2000	Portuguese	21515 Su	1700-1800	Arabic	12055 9975 9865 9840 7130 6005 5935 5925
1600-1900	Portuguese	21515 Sa	1700-1800	English	9470
1700-2100	Portuguese	17680 13625 11860 11800-(to 2000) Mo-Fr	1700-1800	French	9810 9775 9745 7360 6030 5905
1800-2100	Portuguese	15555 9780 Sa/Su	1700-1800	German	9795 9480 7440 7390 7340 7300 7215 5950 5920
* African Service (BBCM)			1700-1800	Romanian	9675 7420 7380 6000
<b>RUSSIA Voice of Russia</b> , all languages:			1800-1845	Hungarian	7280 7185 5975
0000-0100	Portuguese	9965 9810 9470 7440 7390 7330 7310	1800-1900	Arabic	9975 9865 9840 5925
0100-0200	Spanish	9965 9890 9810 9470 7570 7440 7390 7350 7330 7310 7260 7260 6185	1800-1900	Bulgarian	9675 7420 7380 7330 6000
0200-0300	English	9865	1800-1900	English	9890 9480 7340 7305 5965 5940
0200-0300	Russian	9890 7350	1800-1900	Finnish	5965 5940 Tu/Fr
0200-0300	Spanish	9965 9810 9470 7440 7390 7330 6185	1800-1900	French	9745 9470 7360 7290 6030 5905
0300-0400	English	9865 5940	1800-1900	German	7390 7300 5950
0300-0400	Russian	9890 7350	1800-1900	Italian	9810 9450 7370 7320
0400-0430	English	12000	1800-1900	Polish	7215 5920
0430-0500	English	12000 6065 5920	1800-1900	Russian	9795 7310
0500-0600	English	12000 6065 5920	1830-1900	Norwegian	5965 5940 Mo-Sa
0600-0630	English	21790 17580 17570 15525	1830-1900	Swedish	5965 5940 Su
0630-0700	English	21790 17580 17570 15525 15470	1845-1930	Czech	7280 7185 5975
0700-0800	English	21790 17570 17495 15525 15470	1900-2000	Arabic	9975 9865 9840 7130 6005 5935 5925
0800-0900	English	21790 17580 17495 15525 15470	1900-2000	English	9745 9480 7340 7310 5965 5940 5920
0900-1000	English	17495 15470	1900-2000	French	9470 7370 7360 7290 6030 5905
1000-1100	German	17660 15540 12010	1900-2000	German	7390 7300 7215 5950
1000-1100	Korean	12055 7355 7305 4010	1900-2000	Greek	9450 7420 7380 7330 6000
1100-1200	Chinese	9465 9450 7400 7355 7305	1930-2000	Slovak	7280 5975
1200-1300	Chinese	9450 7400 7205 6025 5905	2000-2100	English	7340 5965 5940
1200-1300	Japanese	9830 7355	2000-2100	French	9470 7370 7360 7300 7290 5905
1200-1300	Korean	7135 4010	2000-2100	Russian	9450 7380 7320 7310
1200-1300	Vietnamese	9470	2100-2200	English	9890 7340 7300 5965 5940
1300-1400	Chinese	9450 7205 4010	2100-2200	Russian	7320 7310
1300-1400	Hindi	15460 12055 11655 11500 9860 9800 9780 9490 7400	(BBCM)		
1300-1400	Japanese	9830 7355 7135			

7400 R. *Jasna Gora* Relay \*2000 After concluding R. Maryja relay, s/on with church bells and elaborate fanfare followed by announcement by woman in Polish that included a casual "Tu Radio Jasna Gora" ID. Into religious vocal accompanied by organ. Strong, though somewhat choppy. Per NU 1468, this relay of a Polish FM station (100.6 MHz) is Saturdays only. (5-Dec/Hill-MA)

The first and the only radio stn for women, Moscow-based *Radio Nadezhda*, has gone out of business and ceased to exist, VoR's "DX Club" web site reported on 6th Dec. After it went off the air, its freq—104.2 MHz—was taken by Radio Russkii Hit. The latter's progrs are almost identical to those of Radio Russia and Hit FM, the web site said. (BBCM)

Here is one interesting, but sad item: because of limited budget finance according to a new fiscal year budget *Radio Mayak* will close all shortwave transmitters from January 1st, 1999 (4- Dec/Mr. Pavlov, Chairman of OGRK "Radio Mayak"/Timofeyev-RUS)

**SEYCHELLES** 11885 *FEBA* 1732\* Ending Somali broadcast with ID and IS, then cut carrier. Fair with some co-channel QRM from presumed RFE-RL; clear on // 9810. The 25M freq not listed in PWBR. (18-Dec/Hill-MA) [Perhaps not, but is WAS listed right here in November-AQ]

**SINGAPORE** 7170 *RCS* Olikkalanjiam (Tamil) Network 0007 Presumed this one with subcontinental vocals plus talk and ads in Tamil; doing surprisingly well more than an hour past their local sunrise. (20-Dec/Hill-MA)

**SOUTH AFRICA** Some freq changes of *TWR* via Meyerton: in Borana on Sun and in Oromo Mon-Sat. 1630-1700 NF 11705 (x11940) in Bambara, Baoule, French at new time. 1830-2000 NF 9710 (x1800-1930 9680). (14-Dec/PANVIEW-BUL/BC-DX/Bueschel-GER)

**SRI LANKA** Tamil is on 5020 and 6150. *SLBC* Sinhala Commercial Sec is on 4870 to 1600 s-off and daytime 0200-1000 on 6185. English is on 6130 daytime and 4940 to 1700 s-off. (5-Dec/Goonetilleke-SRI/UADX/Bueschel/DSWCI DX-Window/van den Boogert-TWN)

**SWEDEN** *RSI* heard with English at 1430 on 21810 to NoAM announcing 17870 as // but actually using alternative 15240 (VoT in Ge on 17870 instead, 1430-1530) and 13740 to ME. (10-Dec/Green-UK/BC-DX/Bueschel-GER)

**SWITZERLAND** *SRI* introduced new 12010 (ex 9575) on 22 Dec for the service to Central and South Asia from the Singapore relay, 1400-1615. English 1400-1500, German 1500-1530, French 1530-1600, English 1600-1615. (SRI/EDXP/Padula-AUS)

Muhammed Said of Kansas City called to report hearing *Swiss Radio Intl* talking about cutting out

or drastically reducing English broadcasts except on the internet. He didn't catch all the details. (Baughn/Monitoring Times/15-Dec/Hauser-OK)

**SYRIA** *Radio Damascus*, based on monitoring:

1600-1700	Turkish	12085
1700-1800	Russian	13605
1805-1905	German	13605 12085
1905-2005	French	13605 12085
2005-2105	English	13605 12085
2105-2205	English	13605 12085
2215-2315	Arabic	13605 12085
2315-0030	Spanish	13605 12085

(BBCM)

**TANZANIA (ZANZIBAR)** *R. Tanzania Zanzibar* can now be heard free of interference between 1800-2100 (new close down time) on 11734. Best reception around 1900 in Belgium. Has anyone received (or seen reports about it in DX-magazines?) of the special Sauti ya Tanzania Zanzibar QSL I produced and sent to Zanzibar earlier in the spring of this year? Remember to send reports to Mr. Abdulrahman M. Said, The Voice of Tanzania Zanzibar, Department of Broadcasting, PO Box 1178, Zanzibar. (4-Dec/Schotmans/DSWCI DX-Window/van den Boogert-TWN)

**TUNISIA** *Radio Tunis* heard in Arabic: 0400-0700 NF 7215 //7280, 12005.6v till 0600. (14- Dec/PANVIEW-BUL/BC-DX/Bueschel-GER)

**UKRAINE** Seemingly the just reactivated Kopani SW facilities are again off air. Per yesterday check I missed 9870 during the day as well as 6030 and 7150 (this channel herewith again clear for IBC Tamil via Jülich) at night. (13-Dec/Ludwig-GER)

**UNITED KINGDOM** Since the Baghdad bombing commenced, the *BBC* Arabic Service has been heard almost around the clock and is quite strong on new 21825. I don't have the location though I suspect that it is Cyprus. (19-Dec/Harwood/EDXP/Padula-AUS)

*IBC Tamil* is owned by Tamil Media Ltd, trading as IBC (International Broadcasting Corporation).

0000-0100 Tamil/ 7460-C.Asia 7150-Germany English

English news is carried from 0050-0100 (BBCM)

**USA** *WRMI* winter sked, all on 9955 kHz:  
0000-0500 Spanish/English 9955  
0500-0600 Spanish/English 9955 Tu-Su  
1045-1100 Spanish/English 9955 Mo-Fr  
1100-1200 Spanish/English 9955 Mo-Sa  
1200-1415 Spanish/English 9955  
1415-1500 Spanish/English 9955 Sa/Su  
1500-1700 Spanish/English 9955 Su  
2000-2100 Spanish/English 9955 Sa  
2100-2300 Spanish/English 9955 Sa/Su  
2300-0000 Spanish/English 9955

(BBCM)

**WWBS** is on the air only Sat & Sun 0000-0200 on 11900. Approval from FCC is testing with programs. (14-Dec/Josey-WWBS/Maes-BEL/BC-DX/Bueschel-GER)

**Voice of America** in Russian now heard: 1400-1500 NF 7270 (x7220) Voice of America in Georgian now heard at new time: 1530-1600 NF9770, NF 11735 (QRM Tanzania), NF 13740.

**Radio Liberty** in Georgian also heard at new time morning: 0500-0600 NF 6105, NF 9595, NF 11970 (x0400-0500) Radio Liberty in Armenian now heard: 0400-0500 NF 9725 (x7180) //9595 9680. (14-Dec/PANVIEW-BUL/BC-DX/Bueschel-GER)

**Radio Free Iraq** schedule, from 17-Dec, all in Arabic:

0200-0300	5965 6015 7105 9635
0300-0400	5965 7110 7275 9740
0500-0600	5965 6015 7105 9635
0600-0700	5965 7110 7275 9740
1500-1600	6130 9835 11965 12015
1600-1700	6130 9540 11915 11965
1800-1900	6130 9835 11965 12015
1900-2000	6130 9540 11915 11965

(21-Dec/RFE-RL-R. Free Iraq page/Hauser/Romais tip)

**UZBEKISTAN Radio Tashkent** in English 1200-1230 & 1330-1400 NF 5060 good //5975 6025 9715. 2030-2100 & 2130-2200 7105 co-ch R. Belarus, //9540. (14-Dec/PANVIEW-BUL/BC-DX/Bueschel-GER)

**Radio Netherlands** is using 12070 khz (ex 13755) at 1430-1625 hrs in English to South Asia / 12090, 15585 kHz. (Dasgupta-IND)

**VATICAN Vatican Radio** sked, replaces the sketchy and incomplete sked which appeared in Nov '98 LN:

0030-0100	Portuguese	9605 7305
0040-0100	Hindi	9650 7335
0100-0120	Tamil	9650 7335
0100-0130	Spanish	11910 9605 7305
0120-0140	Malayalam	9650 7335
0140-0200	English	9650 7335
0145-0230	Spanish	11910 9605 7305
0230-0250	French	9605 7305
0240-0310	French	9660
0250-0310	English	9605 7305
0310-0330	Armenian	9645 7345
0310-0340	English	9660
0315-0400	Spanish	9605 7305
0330-0345	Albanian	5883v 4005
0330-0400	Russian	9645 7345 6185
0340-0405	Swahili	9660 7360
0345-0400	Slovene	5883v 4005
0400-0415	Croatian	5883v 4005
0400-0420	Ukrainian	7345 6185
0405-0430	Amharic/Tigre	9660 7360
0415-0430	Czech	5883v 4005
0420-0440	Belarusian	7345 6185

0430-0445	Slovak	5883v 4005
0430-0500	French	9660 7360
0440-0500	Lithuanian	7345 6185
0445-0500	Hungarian	5883v 4005
0500-0520	Latvian	7345 6185
0500-0520	Polish	7250 5883v 4005
0500-0530	English	11625 9660 7360
0500-0600	Arabic	11715 9645
0520-0540	German	7250 5883v 4005
0520-0540	Romanian	7345 6185
0530-0600	Portuguese	11625 9660 7360
0540-0600	Bulgarian	7345 6185
0540-0600	French	7250 5883v 4005
0600-0620	English	7250 5883v 4005
0600-0630	French	13765 11625 9660
0600-0715	Scandinavian	9645 7345
0620-0630	Mass-Latin	15595 11740 9645 7250 5883v 4005 5883v 4005
0630-0700	English	13765 11625 9660
0700-0745	Ital/FF/EE	15595 11740 9645 7250 5883v 4005 Mo-Fr
0710-0745	Mass-Romanian	9645 7250 Su
0715-0845	Mass-Ukrainian	11740 9770 Su
0745-0800	Arabic	15595 11740 9645 5883v Mo-Fr
0830-0930	Mass-Italian	9645 7250 Su
0930-1100	Oriental lit.	17550 15595 11740 Su
1000-1030	Portuguese	21850 17700 Mo-Fr
1000-1100	Papal Audience	5883v We
1100-1115	Angelus	21850 15595 11740 9645 5883v Su
1100-1130	Ital/FF/FF	21850 15595 11740 9645 5883v Mo-Fr
1115-1200	Italian	21850 15595 5883v Su
1130-1150	French	11740 Sa
1130-1200	Mass-English	17550 15595 Fr
1130-1200	Spanish	21850 17700 Mo-Fr
1150-1300	Spanish	11740 Sa
1230-1315	Chinese	15500 13765 6020 Su-Fr
1230-1315	Mass-Chinese	15500 13765 6020 Sa
1300-1400	Italian	21850 15595 11740 9645 5883v
1315-1345	Japanese	11625 9875 + new 5940 (replaces which?)
1330-1400	Russian	17550 15595
1345-1405	English	15500 13765
1400-1500	Spanish/PP	11740 9645
1405-1450	Vietnamese	15500 13765
1450-1510	Hindi	13765 11640 + new 9875 Tashkent (replaces which?)
1510- 1530	Tamil	13765 11640
1500-1530	German/Polish	9645 5883v
1530-1550	Malayalam	13765 11640
1530-1600	Italian	9645 7250 5883v Fr
1530-1600	Music	9645 7250 5883v Sa-Th
1550-1610	English	13765 11640 Su-Fr

1550-1620	Mass-English	13765 11640 Sa
1600-1630	Vespers	9645 7250 5883v
1610-1630	Swahili	17550 15570 Su-Fr
1620-1635	Somali	17550 15570 Sa
1630-1700	Italian	9645 7250 5883v
1635-1700	Amharic/Tigre	17550 15570
1650-1710	Armenian	15185 11715
1700-1730	French	17550 15570
1700-1730	French/ English	15595 9645 7250 5883v 4005
1710-1740	Russian	15185 11715 9585
1730-1745	Albanian	7250 5883v 4005
1730-1800	English	17550 15570 13765
1740-1800	Ukrainian	9585 7365
1745-1800	Slovene	7250 5883v 4005
1800-1815	Croatian	7250 5883v 4005
1800-1820	Belarusian	9585 7365
1800-1900	Portuguese	17550 15570 13765
1815-1830	Hungarian	7250 5883v 4005
1820-1840	Lithuanian	9585 7365
1830-1845	Czech	7250 5883v 4005
1840-1900	Latvian	9585 7365
1845-1900	Slovak	7250 5883v 4005
1900-1920	Polish	7250 5883v 4005
1900-1920	Romanian	7365 6185
1900-1940	Spanish	11625 9660 Sa
1920-1940	Bulgarian	7365 6185
1920-1940	German	7250 5883v 4005
1940-2000	Rosary	4005 5883v 7365 6185 7250 9645 11625 13765 11625 9660
2000-2020	Italian	5883v 4005 Su
2000-2030	English	13765 11625 9660
2000-2030	Italian	5883v 4005 Mo-Sa
2000-2100	Scandinavian	9645 7250 Fr-Tu
2020-2030	Esperanto	5883v 4005 Su
2020-2100	Esperanto	9645 7250 We/Th
2030-2050	French	7250 5883v 4005
2030-2100	French	13765 11625 9660
2050-2110	English	7250 5883v 4005
2100-2120	Russian	9585 7305
2110-2130	Spanish	7250 5883v 4005
2130-2145	Portuguese	7250 5883v 4005
2130-2200	Japanese	9585 7310
2145-2200	Arabic	7250 5883v 4005
2200-2245	Chinese	9600 7305
2200-2310	Italian	5883v 4005
2245-2315	English	11830 9600 7305
2315-0000	Vietnamese	9600 7305

(BBCM + Nagoya DX Circle/EDXF/Padula-AUS)

**VIETNAM** Here is a latest short observation of some regional stations (Dec 1):

4796v *1200-	<i>Son La B. Station</i> (not confirmed)
5597v *1159-	<i>Lao Cai B. Station</i> (confirmed //6680)
6496v *1200-	<i>Bac Thai. Station</i> (confirmed)
6506v *1159-1328*	<i>Cao Bang B. Station</i> (not confirmed)
6680v *1159-	<i>Lao Cai B. Station</i> (confirmed //5597)

(1-DEC/Timofeyev-RUS/Boogert-TWN/DSWCI DX-Window)

**YEMEN** 6135 *R. Yemen*, Sana'a, 1304-1444\* (with one break at 1416-1421). Arabic program with many ID's as "Izaatul jumhuriaya yemeniya min Sana'a" //5950 (-1400\*) and 9780v—yes, three transmitter's in use!—poor to fair to almost good past 1325 (very like to a new high power transmitter, or new "old" one?!), unusually strong signal from Yemen on 6135 for this time of the day and for my location! (1-Dec/Timofeyev-RUS)

**UNIDENTIFIED** 7075.8 1211 Man's voice, then solo chanting that didn't sound like Qur'an but rather seemed to revolve around a single note. No audio discernible after 1225. Weak, choppy, periodically wiped out by ham SSTV; began to fade out around 1230. This could well be V. of Shariah, Afghanistan, but not enough useful evidence to call it even tentative. (20-Dec/Hill-MA)

7169.7 0000/1200am hearing a very weak signal both mornings and evenings here with Oriental music but no readable speech. Might be Xizang PBS, but it's extremely tough to ID because of constant QRM from stations occupying 7170 at various times of day. (Hill-MA)

11941v, unknown [Almaty KAZ?, or AGL], Dec 11, 1306 terrible fluttery signal with M and W speaker with nxin presumed Kazakh or something, drifts up in fast tempo to 11946 at 1308 and at 1314 they are on 11953.10, at 1315 on 11958, at 1316 on 11959, at 1317 on 11961, at 1322 on 11967v. More observed this past week around 1300 on 11938v. poor. (11-Dec/van rooy-HOL/DXW/BC-DX/Bueschel-GER)

14780 Unidentified station with Greek or Turkish music //12105, noted around 1345 until s/off at 1353\* (12105 s/off 1355\*). (12-Dec/Alexander-OH)

# Pirate Radio Report

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

Hello and Happy New Year! This is the first **PIRATE RADIO REPORT** for 1999. I'm not sure what kind of year this will be for shortwave pirating, I guess only time will tell.

Anyway, before going into the usual logs, I thought it would be interesting to review what happened last year.

## Pirate Year in Review 1998

The year started off fine, with many pirates taking to the air with New Year's broadcasts. Poor reception conditions, caused by low MUFs continued to plague the 6955 kHz area. Many transmissions made during the daylight hours gave good to excellent reception up to about 400 miles. After dark, skip became long and reception was often possible only beyond 300 miles from the transmitter, but this did allow transcontinental reception on days when noise was low. This of course changed during the summer months when daylight was longer.

The more active stations heard during 1998 included *Radio Metallica Worldwide* which often included the raunchy antics of Dr. Tornado and his sidekick Senor El Nino. They claimed to be operating from a boat for a while but this now seems unlikely. *WREC/Radio Free East Coast* was very active as it had been for the past few years but we had to say goodbye to P.J. Sparx when he retired in July. Other active stations included *Mystery Radio*, *Radio Eclipse*, *Radio Nonsense*, *Voice Of The Pig's Ear* and *WACK Radio* to name just a few.

Everything was going along swimmingly until October 30<sup>th</sup> when the FCC decided it was time to flex their regulatory muscles. Four shortwave pirates were visited and shut down. From the information we now have,

two of the stations closed were *Radio Halloween* and *Voice Of The Pig's Ear*. It is still unclear what the other two were.

Anyway, word of the busts traveled fast and the rest of the year has featured sparse activity. *Radio Metallica Worldwide* has still been active on 7415 kHz Sunday mornings. Other stations still being heard are *KMART Radio*, *Blind Faith Radio*, *Voice Of The Trailer Park Ministries*, *WMPR* and *He Man Radio*. So don't despair, there is still activity, but not nearly as plentiful as it once was.

## Loggings...

I'm happy to report that despite the slow-down in activity there are a few logs to report. Thanks to this month's reporters Pete Costello of NJ and David Krause of Ohio. Keep 'em coming either by email or snail mail. I need them!

The station that Doctor Tornado built, *Radio Metallica Worldwide* was logged on November 26<sup>th</sup> at 1442 on 7415 kHz in the AM mode. They were playing heavy metal rock and talking about Bill Clinton. [Krause-OH]

*WKND*, also known by the slogan "*We're K-9 Dog*" was logged by Pete on December 20<sup>th</sup> at 2102 UTC. Programming included a laughing interval signal and a program hosted by Radio Animal. Mention was made of "The Association Of Micro-Broadcasters". They signed off at 2146 UTC on 6955 kHz AM mode. [Costello-NJ]

*WMPR*, a station that only plays techno-pop instrumentals was noted on 6955.4 kHz on December 20<sup>th</sup> at 2147 UTC. On this broadcast they were playing instrumental versions of popular Christmas songs. A voice synthesized ID heard as well. [Costello-NJ]

Until next month, Happy Pirate DX! 

# QSL Report

**Sam Barto**  
47 Prospect Place  
Bristol, CT 06010



Greetings to everyone in the New Year. This will be a short QSL Column. Not all that much to report. It seems as if everyone has been busy celebrating the Holiday and not too busy reporting to those stations. Best of Dxing....Sam.

**ARGENTINA:** Radiodifusion Argentina Al Exterior 11710 f/d "Logo" cd. w/ personal ltr. in 3 mo. after a f/up rpt. for \$1.00. (Molander-CA).

**ASCENSION ISLAND:** RAI 6110 via BBC English Bay p/d "Golden Pegasus in front of RAI Studio" cd. in 104 ds. w/ magazine and schedule. (Humenyk-ONT).

**ASIATIC RUSSIA:** Voice of Russia 15425 via Komsomolsk-na-Amur f/d E-mail QSL for an E-mail rpt...in 8 ds....its just not the same as the old days (Brouillette-IL).

**BANGLADESH:** Bangladesh Betar

\* 7185 p/d "National Assembly Building" cd. w/ personal ltr. in 5 mo. for \$1.00. (Molander-CA).

**BRASIL:** Radio Bandeirantes 11925 p/d ltr. w/ stickers in 10 wks. for a PT rpt and \$1.00. (Molander-CA). Radio Marumby 9665 p/d "Certificado de Participacao" w/ religious material in 6 1/2 mo. for ms. and \$1.00. (Myers-VA).

**BULGARIA:** Radio Bulgaria 9485 f/d "Preobrazhenski Monastery" cd. in 79 ds. for 1 IRC. Also rcvd. rpt. forms, sticker and info. on their new listeners club. v/s Ivavla Bozhanova. (Borokowski)

**CANADA (Pirate):** Eve of Destruction 6955 f/d "St. Andrew" cd. in 5 mo. (Kusalik-ALB).

**COLOMBIA:** Radiodifusora Nacional 4955 p/d "Map" cd. w/ schedule and brochure in 4 mo. for a SP rpt. and \$1.00. (Molander-CA). Caracol Colombia 5075 p/d "Globe" cd. w/ sticker, schedule and station lapel pin in 5 mo. for a SP rpt. and \$1.00. (Molander-CA).

**COSTA RICA:** Radio Reloj 4832 p/d "Logo-Clock" cd. in 2 mo. for a SP rpt. and \$1.00. (Molander-CA).

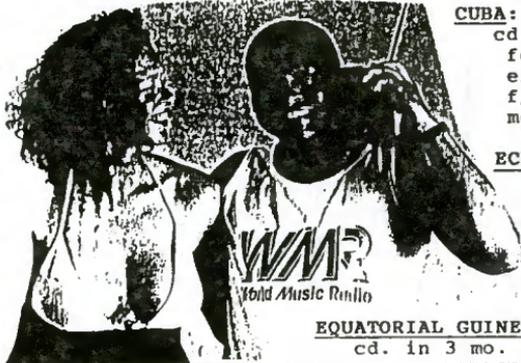
**CHILE:** Voz Cristiana 21550 f/d cd. in 1 mo. after a f/up rpt. to the Miami address. (Myers-VA).

**CUBA:** Radio Rebelde 5025 p/d "Hearts" cd. w/ personal ltr. in 9 wks. for a SP rpt. and \$1.00. (Molander-CA). Radio Habana Cuba 9820 f/d "Logo" cd. w/ schedule in 2 mo. after a f/up rpt. w/ \$1.00. (Molander-CA).

**ECUADOR:** Radio Quito 4919 p/d "Logo" cd. in 3 mo. for a SP rpt. and \$1.00. (Molander-CA).

**EGYPT:** Radio Cairo 9475 n/d "Nefertite" cd. in 28 ds. w/ schedule and a copy of "Egyptian Mail" newspaper. v/s Dona Hammam. (Borokowski).

**EQUATORIAL GUINEA:** Radio East Africa 15190 f/d cd. in 3 mo. for \$1.00 to CA addr. (Molander)



**FINLAND: Radio Finland 11900**  
via Pori f/d "Antenna" cd.  
in 68 ds. v/s R. Makela.  
(Humenyk). same in 1 mo.  
(Humenyk).

**FRENCH GUIANA: Radio France**  
International 15530 via  
Montsinery f/d "Antenna"  
cd. in 165 ds. for 2 IRCs.  
Schedule rcvd. (Wilkins-MO).

**EUROPIRATE (England): Radio**  
\* Free London 6285 f/d cd.  
in 5 mo. for a taped rpt.  
30 watts. v/s Tony Randall.  
(Sgrulletta-NY).

**GERMANY: Voice of Hope 15715**  
via Julich f/d "Logo" cd.  
w/ schedule in 2 mo. for  
\$1.00. (Molander). **Democratic Voice of Burma 15635** via Julich f/d ltr.  
in 25 ds. v/s Saw Nelson Ku, Studio Technician. (Humenyk-ONT).

**GREECE: VOA 9700** via Kavala f/d "National Archives" cd. in 97 ds. (Hume-  
nyk-ONT). **Radio Free Iraq 7110** via Kavala f/d ltr. w/ site in 2 wks.  
v/s David Walcutt. (Myers-VA).

I/we acknowledge with thanks your reception report  
vom 2.9.1994 über unseren UKW/KW/MW-Sender  
dated 02.09.1994 on our FM/AM/medium wave/fm  
auf der Frequenz 6005 kHz  
transmitter on the frequency \_\_\_\_\_  
I würden uns freuen, wieder von Ihnen zu hören  
We would be pleased to receive further reports  
und wünschen Ihnen weiterhin einen guten Empfang  
from you and wish you good reception of our  
unsere Sendungen.  
programs.

via D'Angelo  
**DeutschlandRadio**

BERLIN

MH freundlichen Grüßen  
With best regards  
RIAS BERLIN  
Kufsteiner Straße 88  
D-1000 Berlin 82

Datum: 20.9.1994

Name: i.A.

Euc. B. Väinö

**SUOMEN TASAVALTA**  
**RADIO FINLAND FOREIGN SERVICE**

via Tom Robertson

We have found your reception report correct and hereby  
acknowledge it with this verification card.

Date of Reception: 19 March 1994  
Time: GMT/UTC 1429-1453 UTC  
Broadcast was heard on 21680 kHz  
in the 13 metre band.

We use a/an \_\_\_\_\_ antenna.  
Our transmitter was located at POKI.  
Transmitter Power: 1000 kW



Station Seal

for Radio Finland's Audience Services

**GEORGIA: Voice of Hope 12125** f/d cd. via  
the UK address in 1 mo. Also rcvd. f/d  
"Map" cd. from the CA address in 6 wks.  
after a rpt. to each address w/ \$1.00.  
(Tilbury-ALASKA).

**HONDURAS: HRVC La Voz Evangelica 4820** p/d  
"Transmitter" cd. in 4 mo. for an EG  
rpt/ and \$1.00. (Molander-CA).

**NOTES: Jerry Klinck** reports that he has broken  
ground and moved into his new digs at  
Big Tree Rd. in East Aurora, NY. He has  
been busy finishing off the basement and  
building a new DX room. (I'm glad you have  
your priorities in order...Sam. He put up  
a 60 and 80 meter dipole and is having fun  
once again. Good luck with the new home...  
Sam. George Maroti sent in a few photo-  
copies for the QSL Column. We can use all  
you send in...Sam.

**INDIA: All India Radio 4895** via Kuresong f/d "Female Playing Cymbal" cd.  
\* in 147 ds. for ms. after a f/up rpt. v/s A.K. Bhatnagar, Director of  
Frequency Assignments. Total time after 3 f/up rpts. was 3 yrs. and  
\* 10 1/2 mos. (Sgrulletta-NY). **Broadcasting Corporation of India 5040** via  
Jeyapore f/d self-prepared cd. w/ p/d personal ltr. in 1 mo. for ms.  
v/s A.C. Subudhi, Assistant Station Engineer. (Sgrulletta-NY).

**ITALY: RAI 6010** p/d "Gold-  
en Pegasus" cd. in 104  
ds. (Humenyk-ONT).

**LIBYA: Radio Jamahiraya**  
15415 f/d "Rainbow" cd.  
w/ schedule in 10 wks.  
for a rpt. to the Malta  
address. (Molander-CA).

**MOROCCO: Radiodiffusion**  
Television Marocaine  
11920 p/d "Logo" cd.  
w/ personal ltr. in 14  
wks. for \$1.00. (Molander-  
CA).

**NEW ZEALAND: Radio New Zea**  
land International  
17675 f/d cd. w/ sked.  
in 28 ds. (Clapper-NY).

Finnish V. Mäkelä's Report of  
Reception P. Tom arki  
Helsinki B. Akkemyyry Kompassi  
(Layman's H. Radio)  
Reception of V. Mäkelä's Report  
Helsinki P. Tom arki  
Until 1995, discontinued  
as a constant relic.

Jan 4716  
11mo 102ms

**QSL**

VERIFICATION CARD

To Christopher Edzell  
Stouchon, Inc.  
USA

Best wishes from  
**RADIOCENTRAS**  
Box 1792  
LT-2019 Vilnius  
LITHUANIA

**RADIOCENTRAS** has the  
pleasure to verify your  
correct reception report:

Date: Oct. 5, 1991  
Time: 0657-0750 UTC  
Frequency: 9210 kHz  
Xmit: Lithuania, 50 kW  
Antenna: HPA/4/1 250°  
Coordinates: 23°49' 55" N 02°

**NICARAGUA: Radio Miskut** 5770 f/d ltr. in 4 1/2 mo. for a SP rpt. and \$2.00. v/s Evaristo Mercado Perez, Director. This was after a f/up rpt. (Myers-VA).

**PAKISTAN: Pakistan Broadcasting Corporation** 15485 f/d beautiful "Khyber Pass" cd. w/ personal ltr. in 5 wks. for \$1.00 (Molander-CA).

**PERU: Radio Tropical** 4935 p/d ltr w/ sticker in 3 wks. for a SP rpt. and \$1.00. (Molander-CA).

**PORTUGAL: Radio Portugal** 9520 and 11770 f/d "Torre de Belem" and

**RADIO  
BUENA AMERICA**

Telefono: 28904 - 25883 - 29846 - Calle 2431

**LA PAZ-BOLIVIA**

La Paz,  
27 de septiembre de 1972.

Señor  
Pedro M. Coelho de Castro,  
Av. Godol Neto 243  
12600 Lorena SP  
Brazil.

De nuestra consideración:

Correspondemos a su atenta carta en la que nos informa haber escuchado las emisiones de RADIO BUENA AMERICA, cuyos datos los hallamos correctos.

Se nos ocurre que podría interesarle conocer La Paz, Sede del Gobierno Boliviano, donde se hallan las plantas transmisoras y estudios de esta su radio suiza.

**NOTES: George Maroti** says that he waited nearly 16 months for a QSL. Thanks for sending it in. **Marlin Field** sent in some very nice copies of his pennants from Nicaragua. We will feature them in the QSL Column. That is a neat World Music Radio QSL...Sam. **Mark Humenyk** sent in his greetings to everyone. Nice to hear from you...Sam.

"Centro Cultural de Belem" cd. w/ ltr. and schedule in 28 ds. (Hume-  
**ROMANIA: Radio Romania International** 9570 f/d "Arbore nyk-ONT)  
Church" cd. w/ schedule in 72 ds. v/s F. Dochinov. (Humeny-ONT).

**SAUDI ARABIA: Broadcasting Service of the Kingdom of Saudi Arabia** 11935 f/d "Logo" cd. w/ schedule in 16 wks. for \$1.00. (Molander).

**SINGAPORE: Radio Japan** 11860 via **Kranji** f/d "Autumn at the Asagiri High-

lands" cd. in 1 mo. w/ sked.

and rpt. forms. (Humeny-ONT).

**SPAIN: China Radio International** 9690 via **Noblejas** f/d "Terra Cotta Warriors" cd. in 29 ds. w/ paper cuts. (Borowski-NY).

**SWEDEN: Radio Sweden Internatio-**  
**nal** 9435 and 9865 f/d "Lapps-

taden Arvidsjaur" cd. in 11 ds. v/s Charlotte Adler. (Humeny-ONT).

**SYRIA: Syrian Arab Republic Bro-**

**adcasting System - Radio Dam-**

**ascus** 12085 f/d "Globe/Tower" cd. in 186 ds. via registered mail. Also rcvd. sticker and a copy of the "Syrian Times". (Borowski-NY). same in 6 mo. for \$1.00. (Molander-CA).

**TAHITI: RFO Polynésie Française** 15169 f/d "Logo/Shell" cd. in 10 wks. for a rpt. in which I enclosed bumper stickers of the Chicago Bulls and Sacramento Kings - along w/ a \$1.00. I reported to this station 2 mos. earlier w/o stickers and did not get a reply! (Molander-CA).

**TAIWAN: Radio Taipei International** 11865 f/d "Insects of Taiwan" cd. in 102 ds. Also rcvd. newsltr., contest form and station stickers. (Hume-USA: **WHRA** 15460 and 17655 f/d "Globe/Logo" cd. in 89 ds. w/ nyk)

schedule. v/s Loren Holy-cross. (Humeny-NT). 15460 f/d test cd. in 180 ds. (Clapper-NY). **WENW** 7425 f/d "Transmitter Tower" cd. in 44 ds. w/ business cd., sticker, schedule & station info. (Humeny-ONT) **WHRI** 13760 and 15105 f/d "Globe/Logo" cd. in 105 ds w/ schedule. (Humeny-ONT). **Voice of America** 15580 via **Greenville** f/d "East Face" cd. in 97 ds. (Humeny-NT).

## WRV RADIO VIRUS

The Station Nobody Wants To Catch

TO: Richard A. D'Angelo

DATE: 10/14/95

UTC: 2234 TO 2237

FREQ: 6955 kHz LSB

### CONFIRMATION OF RECEIPT

DATE 17<sup>th</sup> MAR 91

TIME 03:52 UTC

FREQ 6127.3 KHZ

AND CRAIG  
ENGINEER

MR KRIS W. FIELD.  
431 CROFTON ROAD,  
AMBLER,  
PA-19002-2302,  
USA.

NORTHERN IRELAND RELAY SERVICE

# Radio PIO XII



*Tu compañera  
permanente*

Metallica Worldwide 6955.4 n/d blue cd.  
in 63 ds. (Palmerheim-WA).

URUGUAY: CXA19 El Espectador 11835 f/d ltr. w/  
\* sticker and folder in 84 ds. from Oscar A.  
Pessano, Gerente de Programacion. This was  
for 3 IRCs and the assistance of a Uruguayan  
DXer, Mr. Horacio A. Nigro. This was for a  
taped rpt. of a 93 reception. The station says  
they have suspended shortwave but can be heard  
via ([www.espectador.com](http://www.espectador.com)) (Delmage).

VENEZUELA: Ecos del Torbes 4980 p/d "Map" cd. in 6  
mo. for a SP rpt. and \$1.00. (Molander-CA).

YUGOSLAVIA: Radio Yugoslavia 9580 f/d cd. in 85 ds.  
w/ schedule and sticker for 1 IRC. (Griffin-VA).

I'm sorry for the butchering of the alphabet. There were several  
countries out of order.

I expect next months QSL Column to be back to its normal length.  
Hope everyone has a great Holiday.....Sam.

*Sam*

\* Armed Forces Radio Network 12690 via Key West, FL p/d ltr. in 1 mo. for \$1.00. (Molander-CA).

USA (Pirates): KORN 6955 f/d cd. #7 in 6 mo.  
for a taped rpt. (Kusalik). f/d cd. #27 in  
204 ds. for 3 ms. (Neal-TX). Radio Blanden-  
que 6955 via a US Relay Station f/d "Ante-  
enna" cd. in 3 mo. for \$1.00. v/s Raul Gon-  
zalez, Operator. Also rcvd. form ltr. My  
rpt. was sent to the Merlin drop. QSL was  
postmarked from Buenos Aires. (Wilkins-MO).  
The Scream of the Butterfly 6955 f/d cd. #  
21 in 100 ds. for a taped rpt. (Kusalik).  
cd. #20 in 53 ds. for 3 ms. The cd. featur-  
ed Einstein, Dylan and George Harrison. (Wi-  
lkins-MO). Rock-It-Radio 6955 f/d blue cd.  
in 44 ds. for an E-mail rpt. (Kusalik). RCBN  
6955 f/d cd. #265 w/ personal ltr. in 7 ds.  
(Neal-TX). World Par-  
ody Network 6955 f/d  
cd. w/ sticker in 292  
ds. for \$1.00. (Pasqu-  
ale-PA). Take It Easy  
Radio 6955 cd. in 6 mo  
via the P.O. Box 1,  
Belfast, NY addr. (Fi-  
eld-MI). Radio Non-  
sense 6955 f/d info.  
sheet in 47 ds. (Palm-  
ersheim-WA). Radio



**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 addi-

ditional 600 stamps (US). That's 1900 total for only  
\$10.00 or 2300 for only \$15.00. You will not be  
disappointed. Please try to in-  
clude an extra \$3.00 for over-  
night USPO delivery. Mail your  
order to your NASWA QSL Editor.



# Net Notes

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

Happy New Year!

Auroral activity extrapolated from NOAA/POES is displayed on the Web.<sup>1</sup> "Instruments on board the NOAA Polar-orbiting Operational Environmental Satellite (POES) continually monitor the power flux carried by the protons and electrons that produce aurora in the atmosphere." Northern and Southern pole maps show the breadth of the current auroral zone, especially interesting to watch when there are solar disturbances.

Now the Russian near-equivalent of the USA FCC is available for inspection. It is the Main Centre for Control of Broadcasting Networks (MCCBN), "... an enterprise under the State Committee for Communications and Informatics of the Russian Federation. Its main objective is organization of the operation of radiobroadcasting facilities over the range of long medium, short and ultrashort waves. MCCBN devel-

ops the frequency-allocation tables for broadcasting over the short-waves band; it registers those tables with the international organizations, coordinates the use of frequencies with foreign radio stations and takes measures to remove mutual interferences."<sup>2</sup>

There's a sad ending to the story of the closure of Electronic Equipment Bank. Now we know why federal investigators conducted a raid about a year ago. Dick Robinson was convicted of defrauding the government of \$50,000 in supplies.<sup>3</sup> I wonder what he was thinking of. He will be sentenced February 19. Modify the link below and look on February 20 to see the outcome.

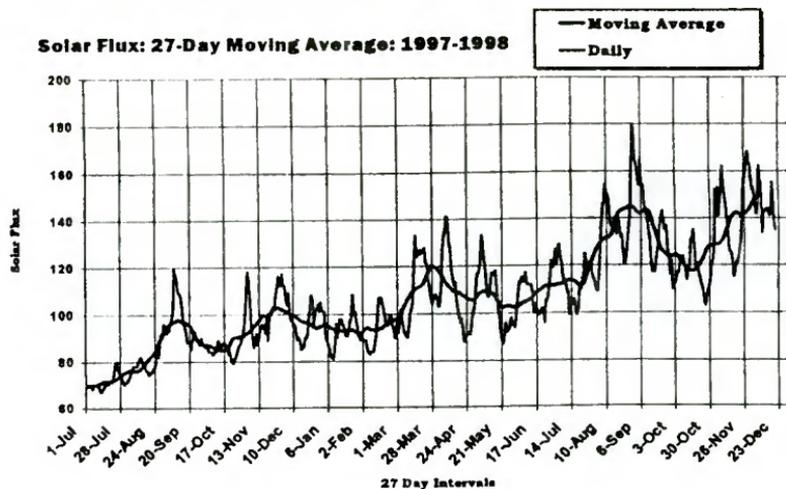
We revamped our Web site too. If you can't find what you are looking for, start at the top. If you like what you see, tell a friend.

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

<sup>1</sup> [www.sel.noaa.gov/pmap/](http://www.sel.noaa.gov/pmap/)

<sup>2</sup> [www.mccbn.ru/](http://www.mccbn.ru/)

<sup>3</sup> [www.jml.com/news/98/Dec/jrn11101298.html](http://www.jml.com/news/98/Dec/jrn11101298.html)



# Scoreboard

**Jerry Lineback**

506 South Lawrence Avenue

Scranton, KS 66537

Internet: jalinebk@satelephone.com

Greetings and welcome to the SCOREBOARD once again. This issue the SPOTLIGHT is on North America. Remember to update at least once a year to remain listed on the SCOREBOARD. Next time the SPOTLIGHT will be on Oceania. C/H = Countries Heard and C/V = Countries Verified. Country Counts are by the Official NASWA Radio Countries List. Thanks to all our contributors, now, on to the totals.

Name, State	Total		NA		Best NA QSL
	C/H	C/V	C/H	C/V	
Marlin Field, MI	240	239	24	24	CFRX 6080
William Flynn, OR	240	225	26	26	Groenlands R.
John Sgrulletta, NY	236	236	23	23	CKFX
Paul Buer, FL	217	205	23	22	CKFX
Jerry Lineback, KS	206	108	20	12	Turks
Sheryl Paszkiewicz, WI	220	213	20	19	El Salvador
Fred Kohlbrenner, PA	213	191	20	19	RN El Salvador
Andy Rugg, Que.	176	157	22	20	KNLS Alaska
Steven Lare, MI	230	209	21	20	Greenland
Jerry Berg, MA	240	238	25	25	ZNX32 Barbados
Ross Comeau, MA	178	145	16	13	R. Miskut
Stephen Price, PA	191	167	15	14	R. Miskut
Nobuaki Takahashi, Japan	226	201	18	15	CFVP Calgary
Gary Froemming, AZ	178	44	16	6	WWVL
Dan Henderson, MD	242	234	24	24	CKFX Vancouver
Bill Bergadano, NJ	177	116			
Christos Rigas, IL	214	194	20	19	R. Free Grenada
Jill Dybka, TN	123	88	13	13	CKZN Newfoundld
Dan Ziolkowski, NY	152	70	13	7	CHNX Halifax
Robert E. Gearing II, FL	155	122			
Gary R. Neal, TX	119	108	14	12	CHNX
Bob Raymond, NH	157	125	17	15	WIBS Grenada
Mark Hymenyk, ONT	169	135	14	14	WMLK
George Maroti, NY	187	142	16	14	4VEH, Haiti
Rick Krzemien, CA	217	212	19	19	Belize/Greenld
Sean Warner, MN	59	34	6	2	
Gerry Bishop, FL	233	215	21	21	Groenlands R.
Richard Davis, NM	219	211	23	21	Panama HOH7
Don Hosmer, MI	227	195			
Darren White, MS	154	110	17	15	R. Belize
Gene Borowski, NY	70	60	9	7	Radio Reloj
Norm Constanti, MO	134	99	15	12	R. 4VEH, Haiti
Bob Fleck, TX	184	161			
Bret Pollack, MD	82	54			
Allan R. Loudell, DE	184	155	18	17	Belize & YSS

Next Deadline is February 15 for the March Issue, 73, JAL



# Contributors' Page

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

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

The following members sent in contributions:

Brian ALEXANDER, Mechanicsburg, PA  
Eric BUENEMAN, Hazelwood, MO  
Richard CLAPPER, Au Sable Forks, NY  
David CLARK, Thornhill, ONTARIO  
Peter COSTELLO, Matawan, NJ  
Nicolas ERAMO, Buenos Aires, ARGENTINA  
Rich D'ANGELO, Wyomissing, PA  
Ralph FAMULARO, Hyogo-ken, JAPAN  
Kris FIELD, HORSHAM, PA  
Mark FINE, Remington, VA  
Brian FLOOD, Duncedin, FL  
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  
Harold LEVISON, Philadelphia, PA  
Jerry LINEBACK, Scranton, KS  
George MAROTI, Mt. Kisco, NY  
William McGUIRE, Cheverly, MD  
Jeff MOLANDAR, Elk Grove, CA  
Bob MONTGOMERY, Levittown, PA  
Paul NAGEL, Richmond, VA  
Gary NEAL, Sugarland, TX  
Ed NEWBURY, Kimball, NE  
Jay NOVELLO, Wake Forrest, NC  
Takayuki Inoue NOZAKI, Tokyo, JAPAN  
Denis PASQUALE, New Brighton, PA  
Stephen PITTS, Minnetonka, MN  
Al QUAGLIERI, Albany, NY  
Bob RAYMOND, Nashua, NH  
Christos RIGAS, Wood Dale, IL  
Chuck RIPPEL, Cornland, VA  
Betsy ROBINSON, Clinton, TN  
David ROSS, Hamilton, ONT  
Conrad ROUTH, Chamblee, GA  
Giovanni SERRA, Rome, ITALY  
John SGRULETTA, Mahopac, NY  
Bill SMITH, Mincola, TX  
Ed TILBURY, Anchorage, AK  
Fred TRESHER, Philadelphia, PA  
Mark VELDHIUS, NETHERLANDS  
Terry WOLF, Bellville, OH  
Dan ZIOLKOWSKI, Hanburg, NY

R8B AOR AR-7030 100' LW  
ATS-803A MFJ-1778 G5RV antenna

R8A NRD-515/SE-3 ANC-4 Carolina Beam  
AR3030 DX-390 YB400 70' LW Tun-4A  
Sony 2010 ICF-7600 7600G LW's  
R8 FL-3 200+500' beverages  
ICF-SW55 ATS-803A R5000 LW  
R8 SP600 beverages

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 ANC-4 AD Sloper  
Kenwood R600  
R8 R70 YB400  
R7A beverage antennas  
Sony 2010 10/45m dipoles MFJ-956 tuner  
DX-380  
YB400 45' LW  
R388 DX Pro active antenna  
Sony 2010 LW  
Grundig YB-400  
WJ-1000 R8 60' Sloper 20' loop  
R8A LW's  
NRD515 NRD535 FRG7000  
Sony 2010 beverage antennas  
NRD-535D FRG-7 Eavesdropper RW Loop

DX-398 20m 5/8 wave vertical  
R-2000 Sony 2010 AD Sloper LW  
WJ-HF1000A R8B R390A/SE-3 51S-1 LW's  
Sony 2010 Indoor antenna  
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 R70 51J4 Beverage  
AOR-7030 80' LW  
ATS-818 Sony 2010 FRG-7700

Sony 2010 LW  
R8 Sloper SPS NRF-7 SEM QRM Eliminator

I hope you all had good holidays with family and friends. Anyone receive new radios or gear? Don't forget to update your equipment listings on this page for the February Journal.

Many thanks to everyone who sent in holiday greetings via post and e-mail.



# Tropical Band Loggings

**Sheryl Paszkiewicz**  
314 Riverview Drive, Apt 16  
Manitowoc, WI 54220  
spaszkie@msn.com

- 2310 AUSTRALIA ABC 11/27 1217 EG pops, good (Line-KS) 12/1 1303 tlk, poor (Smit-TX)  
 2325 AUSTRALIA ABC 12/1 1303 tlk, fair (Smit-TX)  
 2340 CHINA Fujian PBS 12/8 1158 CH tlk, mx (Line-KS)  
 2410 NEW GUINEA R Enga 11/19 1142 tlks ment Enga (Ripp-VA) 11/27 1219 tlk, pop  
 mx (Line-KS) 12/14 1226 greetings, ID (D'An-PA)  
 2485 AUSTRALIA ABC 12/1 1303 tlk, poor (Smit-TX)  
 2560 CHINA Xinjiang PBS 12/8 1154 excited tlk, mx (Line-KS)  
 3205 NEW GUINEA R Sandaun 11/28 1200 anthem to s/off (Sgru-NY)  
 3210 COSTA RICA REE 11/27 0204 nx in SP, f-g (Buen-MO)  
 3210 MOZAMBIQUE RM 12/10 2202 likely w/tlk, NA, weak (Hill-MA)  
 3215 SULAWESI RRI Manado 12/1 1303 tlk, fair (Smit-TX)  
 3220 NEW GUINEA R Morobe 12/10 1200\* mx, anmts, bird calls, shell horns, NA (Line-KS)  
 3220 N KOREA 11/21 2152 soprano, welcome relief from those turgid patriotic choruses,  
 KR tlks //2850 (Hill-MA)  
 3235 NEW BRITAIN RWNB 11/28 1155 anmts, NA (Sgru-NY)  
 3250 HONDURAS Luz y Vida 12/1 \*1141 ID (Line-KS)  
 3250.8v PERU R Comas 12/16 1004 ID, TC, Peruvian mx (D'An-PA)  
 3264.7 SULAWESI RRI Gorontalo 12/1 1305 nx to 1308\* (Smit-TX)  
 3270 NAMIBIA NBC 11/25 0410 EG nx, ID (Rout-GA)  
 3279.6 ECUADOR LV del Napo 11/13 0955 LA mx, tlk, ment Napo (Ziol-NY)  
 3290 GUYANA GBC 11/14 0958 tlk abt 1999 calendars, ID (Sgru-NY) 12/9 0910 EG  
 dedications, greet, subcont mx (Line-KS) 11/25 0940 EG Hindi mx, carad, ID (Quag-NY)  
 3325 NEW BRITAIN R Bougainville 11/28 1203 march, EZL, C&W ment Pt. Moresby  
 addr (Sgru-NY) I think this is being relayed by Rabaul thus I listed as New Brit. Can  
 anyone confirm?—sp  
 3325 SUMATRA RRI Palangkaraya 11/29 1259 SCI (Line-KS) 12/1 1320 mx variety  
 (Smit-TX) 12/15 2156 mx, SCI, nx (D'An-PA)  
 3330 CANADA CHU 12/1 2224 just fading in (Smit-TX)  
 3345 PAPUA R Northern 11/15 1136 island mx, ID, ment PNG (Ripp-VA)  
 3346U BELARUS ute 12/11 2154 RS tlk, ballad, Mayak IS & ID (Hill-MA)  
 3356 BOTSWANA RB 12/4 2127 EZL mx, tlk //4820, 7255, 6712(h) (Hill)  
 3365 NEW GUINEA R Milne Bay 11/19 1155 island mx, OM DJ (Ripp-VA)  
 3366 GHANA GBC 11/4 2315 EG oldies, p-f (Wolf-OH)  
 3365 INDIA AIR Delhi 11/29 1239 EG nx, ID, subcont mx (Line-KS)  
 3385 BRAZIL R Educ Rural 12/16 1018 ID, jingles, nx (D'An-PA)  
 3385 NEW BRITAIN RENB 11/17 1200 Foreigner song, C&W, cmtry (Sgru-NY 11/15  
 1155 male chorals, ID, TC, anmts (Ripp-VA) 12/8 0900 EG nx //3335, 3315 (Line-KS)  
 3925 JAPAN R Tampa 12/11 2123 Bravura piano piece, weak (Hill-MA)  
 3959.7 N KOREA KCBS 12/5 2133 KR ranting //2850 (Hill-MA)  
 3976 KALIMANTAN RRI Pontianak 12/1 1325 mx pgm (Smit-TX)  
 3985 ENGLAND Merlin 11/27 0540 dance, jazz mx, IDs (Buen-MO)  
 4060 CLAND Vo Iraqi Kurd 11/10 1627 chants, anmts, ID, patriotic hymn Kurdish, into AR  
 1734 (Serr-IT) 12/16 0346 preş w/ rousing vcls, ment Kurdistan, nx & drifting (D'An-PA)  
 4085 CLAND Vo Iraqi Kurdistan 11/29 1725 ment Kurdistan, ID, mx chant (Serr-IT)  
 4440 CLAND unid 11/10 1755 tlk, jam, jumped to 4470 mx, tlk, jumping around, p (Serr-IT)

- 4471.8 **BOLIVIA R Movima** 12/13 2301 vcl, ID, piano, public svc pgm (D'An-PA)  
4500 **CHINA Xinjiang PBS** 11/18 1546 tlk (Serr-IT)  
4559.3v **PERU R Uno** 12/15 0955 huaynos, Ids, TCs (D'An-PA)  
4606.5 **IRIAN JAYA RRI Serui** 11/14 1135 Indo mx, tlk, presumed (Ripp-VA)  
4649 **BOLIVIA R Santa Ana** 12/2 2325 comunicados, mx, ID (Nove-NC)  
4700.6 **PERU R Origen** 11/18 2345 flutes, ID (Nove-NC)  
4702.2 **BOLIVIA R Eco** 11/23 2255 monolog, IDs (Nove-NC)  
4725 **MYANMAR VoM** 11/15 1204 non-stop tlk in lang (Ripp-VA) 12/15 1150 tlk, vcls, ID, flute, nx (D'An-PA)  
4735 **CHINA Xinjiang PBS** 11/18 1554 lyric chants, TP, nx (Serr-IT)  
4748 **PERU Huanta 2000** 12/16 1034 Good Bad & Ugly theme mx & somber tlk (D'An-PA)  
4753.3 **IRIAN JAYA RRI U-P** 11/2 1232 IN pops, anmts (Newb-NE) 12/1 1346 pop mx pgm (Smit-TX) 12/13 2135 drifting w/tlk (D'An-PA)  
4755 **IRAQ Baghdad?** 11/21 \*0356 bird IS, lang tlk, tent. (Alex-PA)  
4760 **IRAQ Baghdad** pres 12/15 0413 long tlks, ME mx, ment Baghdad & Iraq (D'An-PA)  
4770 **NIGERIA Kaduna** 12/1 2154 tlk, mx, fading (Smit-TX)  
4775 **SWAZILAND TWR** 11/23 0425 poor in GM (Newb-NE)  
4779.9 **DOM REP Onda Musical** 11/15 2300 bachatas, IDs (Nove-NC)  
4789.2 **IRIAN JAYA RRI Fak-Fak** 11/27 1156 pops, SCI, nx (Line-KS)  
4790.5 **PAKISTAN AKR** 12/15 0146 vcls, 3 TP, ID, nx (D'An-PA)  
4800 **LESOTHO R Lesotho** 11/29 0409 mx, drum, singing, EG ID (Newb-NE)  
4800.7 **MEXICO XERTA** 11/25 0918 Mex mx, ID w/calls only, FC (Quag-NY) 12/1 2212 LA mx, het (Smit-TX)  
4819.2 **HONDURAS HRVC** 11/5 0350 preaching (Newb-NE)  
4824.4 **PERU LV de la Selva** 11/21 \*0954 salsa, ID (TIN-JP)  
4835 **MALI RM** 11/14 1835 chants, drums (Serr-IT)  
4835 **GUATEMALA R Tezulutlan** 11/5 0147 SP & Indian, marimbas (Newb-NE) 12/1 2148 mx pgm, fair (Smit-TX)  
\*4840 **ECUADOR R Interoceanica** 12/14 \*0954 flute mx, anmts, IDs (D'An)  
4840 **INDIA AIR Mumbai** 11/18 1603 strings mx, p-f (Serr-IT)  
4840 **PERU R Andahuaylas** 12/16 1042 flute, anmts (D'An-PA)  
4845.1 **GUATEMALA R Kekchi** 12/1 1316 ID & Jingle Bells (Smit-TX)  
4850 **CHINA CNR** 11/16 2230 lang lesson, good till 2300 (Fine) 11/25 2156 tlks, ID (Rout-GA)  
4850 **INDIA AIR Kohima** 12/14 \*0028 vcls, TP, //4860 (D'An-PA)  
4850 **UZBEKISTAN UR** 11/8 2025 chants, IS, anmts (Serr-IT)  
4860 **INDIA AIR Delhi** 12/6 1230 TP, EG nx //4920, etc (Line-KS) 11/18 1614 chant, tlk, p-f (Serr-IT) 12/14 \*0026 vcls, IS, TP, nx (D'An-PA)  
4865.1 **BRAZIL R Missoes da Amazonia** Relay 11/25 0904 lively mx, ID (Quag-NY)  
4870 **BENIN ORTB** 12/1 2215 drums, Afr mx, tlk (Smit-TX)  
4883 **CHINA CRI** 12/5 1523 tlk, mx breaks jamming (Serr-IT)  
4886.7 **PERU R Virgen del Carmen** 12/15 1016 vcls, tlk, IDs galore (D'An-PA)  
4890 **PAPUA NBC** 11/28 1315 blasting in PNG Top 20 (Sgru-NY) 11/18 0903 EG congress (Newb-NE) 11/23 1010 EG nx, ID (Rout-GA) 12/1 1318 mx, great audio (Smit-TX) 12/8 1950 Sade song, ID phone calls, good morning, NBC nx (Serr-IT)  
4895 **SARAWAK RTM** 12/6 2157 tone, mx bridge, anmt, NA //5005 (Hill-MA) 12/6 1350 chants, //5005 (Line-KS)  
4900 **CHINA Vo Strait** 11/18 1619 ment Zhonguo, anmts, ID (Serr-IT)  
4910 **UNID** 11/28 0117 gospel mx, EG tlk, poor, Honduras? (Hill-MA)  
4915 **GHANA GBC** 11/21 2313 FR tlk, promo (Newb-NE) French?—sp 12/1 2152 tlk in lang (Smit-TX) 11/22 1801 nx, ID in EG (Serr)  
4920 **INDIA AIR Chennai** 11/18 1625 chants, anmts (Serr-IT)  
4925 **BOLIVIA R San Miguel** 12/13 2245 rustic vcls, ID (D'An)  
4925 **SUMATRA RRI Jambi** 12/10 1308 RRI nx //others (Line-KS) 11/7 \*2159 SCI, local ID, nx (D'An-PA)

- 4930 UNID *Turkmenistan?* 11/11 1523 tlk, chant (Serr-IT)
- 4930.6 HONDURAS *R Int'l* 12/1 2218 LA mx (Smit-TX)
- 4950 CHINA *Shanghai* 11/23 1055 CH tlks, ID (Rout-GA)
- 4950 KASHMIR *AJR Srinagar* 11/18 1633 chant, tlk (Serr-IT)
- 4950.2 PERU *Madre de Dios* 11/19 0032 full ID, FC, nice to get instant ID after other sessions listening to entire rosary (Nove-NC)
- 4950.3 ECUADOR *R Bahai* 12/1 1026 flutes, tlk, promo, ID (Ziol-NY) 11/21 0900 anmts, Ids, folk mx, drifting (Alex-PA)
- 4955 COLOMBIA *R Nacional* 11/18 0200 EG pgm, some mx (Sgru-NY)
- 4960 DOM REP *R Cima* 11/22 0215 anmts, ID (Rout-GA)
- 4969 PERU *R Imagen* 11/25 0930 Indian mx, ID (Rout-GA) 12/15 1104 ID, ment Tarapoto (D'An-PA)
- 4980 VENEZUELA *Ecos del Torbes* 11/5 0137 rapid tlk, ID, orch (Newb)
- 4985 BRAZIL *R Brasil Central* 11/21 2322 anmts, US pops (Newb-NE)
- 4990 INDIA *AIR Itanagar* 12/3 1320 subcont mx (Line-KS)
- 4990.9 PERU *R Ancash* 11/28 0905 Cushu Cushum pgm (TIN-JP)
- 4995.3 PERU *R Andina* 11/29 0023 tlk, mx, ID (Rout-GA)
- 5009.5 MADAGASCAR *RM* 12/17 1747 Afropop, chat, Madonna, ment Malagasy (Serr-IT)
- 5010 CHINA *CPBS-2* 11/21 2219 CH tlk, instls, boomy but fuzzy sig //48509064 (Hill-MA)
- 5011.8 DOM REP *R Cristal* 11/21 0100\* Ids, merengues (Alex-PA)
- 5015 TURKMENISTAN *TR* 12/3 1325 ME style mx (Line-KS) 11/10 1948 strings mx, anmt, hymn, tlk, poss nx (Serr-IT) tent on 11/15 0220 ME type mx, lang tlk (Alex-PA)
- 5019.9 COLOMBIA *Ecos del Atrato* 11/18 0155 call in, Caracol Ids, bank ad, regional nx (Sgru-NY) 11/21 0015 anmts, promos, ads (Alex)
- 5020 NIGER *LV du Sahel* 11/23 0530 tlk, ID (Rout-GA) 11/29 0611 FR Afropop, tlk, poor (Serr-IT)
- 5025 CUBA *R Rebelde* 12/1 2110 mx, tlk (Smit-TX)
- 5030 CHINA *CPBS* 12/12 1130 blasting in squashing Kuching, PSAs, pop mx, 1300 nx, lang lesson //6065 (Line-KS)
- 5030 SARAWAK *RTM Kuching* vcls (Smit-TX)
- \*5034.7 VIETNAM *Dia Tieng Noi* 11/20 1155 Hmong lang, fragile reed inst orch theme, ID prob, tlk, mx //6165 (Nove-NC)
- 5035 CENT AFR REP 12/13 2100\* hilife, FR ID, tlk, NA (D'An-PA)
- 5047 TOGO *Lome* 12/1 2157 mx, vcls (Smit-TX) 11/23 1759 tlk Afropop anmts (Serr-IT)
- 5060 UZBEKISTAN *R Tashkent* 11/28 2000 GM song, poss nx (Serr-IT)
- 5060.1 UNID *China?* 12/7 1634 songs, tlk lang, TP 1648\* (Serr-IT)
- 5076.7 COLOMBIA *Caracol* 11/2 0437 LA mx, jazz rhythm, EG DJ (Newb-NE)
- 5085 USA *WGTG* 11/27 0529 anti govt tlk (Buen-MO)
- 5110 UNID *R Peru* 12/16 1053 YL tlk, pop mx, faint (Hill-MA)
- 5145 CHINA *CNR* 12/1 1008 RS tlks, poor (Ziol-NY)
- 5470 LIBERIA *R Veritas* 11/24 2038 gospel mx, choir, ID (Hill-MA) 11/29 0545 EG rel, Afr pops, Ids, sked, TC (Alex-PA)
- 5522.2 PERU *R Sudamerica* 11/21 1057 chicha songs, ID w/QTH (TIN-JP) 11/22 0216\* folk mx, tlk, ID (Alex-PA) 12/15 1122 TC, ID, rustic vcls (D'An-PA)
- 5558.2 PERU *R Lajas* 11/19 0002 chorus, guitars, comunicados (Nove-NC)
- 5637.3 PERU *R Peru* 12/16 1053 flute mx, ID, Musica Tropical pgm (D'An)
- 5678 PERU *R Ilucan* 11/22 1120 huaynos, excited tlk, IDs (Ripp-VA) 11/21 0313\* folk mx, tlk, Ids, ballads (Alex-PA)
- 5745 USA *WHRI* R Liberty pgm EG cmtry on hepatitis (Levi-PA)
- 5770 NICARAGUA *R Miskut* pres 12/14 0006\* disco mx, some Latin stuff no anmts (D'An-PA)
- 5850 GERMANY *Sunrise R* 12/5 1453 Indian songs, chats, ads, TC (Serr)
- 5875 ENGLAND *BBC* 11/27 0534 HG nx analysis f-g (Buen-MO)



# International Band Loggings

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

- 5970 ASCENSION *BBC* relay in EG 0004, Iraq violates Security Council resolution (Newbury NE 11/1)
- 6025v BOLIVIA *R Illimani* in SP 1012, brassy mx, OM voice-over, tk, ID 1022, p (Ziolkowski NY 11/10)
- 6025 UZBEKISTAN *R Tashkent* in EG 1200, clashing w/R Amanacer, //5060, 5975 (Novello NC 11/28)
- 6035 SAO TOME *VOA* relay in EG 2142, "Issues in the News" re Pres Clinton, ID (Ross ONT 11/8)
- 60405v BRAZIL *R Clube Paranaense* in PT 0722, nx? items, mx, rock tunes, ID, f (Kohlbrenner PA 11/28)
- 6055 RWANDA *RTV Rwandaise* in EG/FR 2102\*, s/off ancmts in both languages, f-g (Rippel VA 11/25)
- 6055 SPAIN *REE* in EG 0025, pgm on extra-terrestrial beings, language lesson (Newbury NE, Fraser MA)
- 6070 CHILE *La Voz Cristiana* in SP 0959, vcls, ID, fqys, fair with slight QRM (Ziolkowski NY 11/10)
- 6120nf GERMANY *R Vilnius* relay in EG 0050, Lithuanian nx, "Celebration of Souls", ID (Wolf OH 11/1)
- 6120 CANADA *R Japan* relay in EG 1130, "Music Reflections" - mist & fog, ID, exc (Fraser MA 11/18)
- 6120 CANADA *CHINX* Halifax in EG 2010, oldies mx, wx/traffic rpt, ad for TV dishes (Kohlbrenner PA)
- 6130 LAOS *Vientiane* in lang 1159, "Big Bells" & ID at 1200, nx? pgm, fair to 1220 (Rippel VA 11/14)
- 6160v BRAZIL *LBV Mundial* in PT 0109, ID, TC's, classical mx, f (Eramo ARGENTINA 12/7)
- 6170 BRAZIL *R Cultura Sao Paulo* in PT 0810, taking phone calls, vcls, p, //9615 (Kohlbrenner PA 11/28)
- 6265 ZAMBIA *RZ* in lang \*0241, "Call of the Fish Eagle" IS, Afro mx, much tk, f (Raymond NH 11/28)
- 65357v PERU *R Difusora Huancabamba* in SP 0045-0227\*, tk, OA folk mx, ancmts, ID, Happy B'day song TC's, huaynos, abrupt sign off (Alexander PA 11/21, Eramo ARGENTINA 12/7)
- 66181v PERU *R Nueva Sensacion* in SP 0025-0117\*, OA folk mx, DJ tk, NA, g (Alexander PA 11/28)
- 66901v PERU *R Estudio DW*, Naranjos in SP 1055, rustic OA mx, huaynos, ID's (Nozaki JAPAN 11/28)
- 6765usb THAILAND *Bangkok Meteorological R* in Thai 2244, jaunty theme like "Turkey in the Straw" on a glass harmonica, ID in EG, sked, //8743 also in USB, both sigs weak but clear (Hill MA 12/5)
- 67977v PERU *R Ondas del Rio Mayo* in SP 0100-0206\*, OA folk mx, huaynos, ID, TC's, ancmts, s/off with National Anthem (Alexander PA 11/28, Eramo ARGENTINA 12/3)
- 68026nf ALGERIA *R Algiers* in FR/AR 2104-2300\*, AR light pop mx, TP on the hr, guitar flourish, ID in AR 2100, TC, nx headlines, fone calls, abrupt s/off 2300 - 5 pips and gone, //981 MW, station heard on 11/28-29 but not 12/2 (Novello NC, Johnson FL, Frodge MI, Veldhuis NETH via CUMBRE DX)
- 68953v PERU *R San Miguel* Huancabamba in SP 0147-0245\*, huaynos, ID, TC's, NA (Eramo ARG 12/7)
- 7105 UZBEKISTAN *R Tashkent* in EG 0109, ID, pgm ancmts, much CWQRM but readable (Fine 11/26)
- 7115 BOSNIA *R Yugoslavia* relay in EG 0100, nx, cmntry, ID, sports, fqys (Alexander PA, Levison PA)
- 7115 SWEDEN *R Sweden* in EG 0330-0400, nx, cmntry, ID's, pop songs, wx rpt in Nordic countries, "60 Degrees North" nx feature (Alexander PA 11/15, Newbury NE 11/5, Ross ONT 11/25)
- 7125 INDIA *AIR Delhi* in Sindhi? 0112, subcont vcls, //11790, f, QRM from Deut Welle (Hill MA 11/11)
- 7150 UKRAINE *RUI* in EG 2216, ID, "Ukrainian Diary", market nx (Ross 11/22, Newbury NE 11/25)
- 7155 ITALY *V of the Mediterranean* in IT 0608, Shirley Bassey song in EG, tk, ID's (Costello NJ 11/27)
- 7160 ALBANIA *R Tirana* in EG 0246, sked, nx items re Albanian constitution (Ross ONT 11/9)
- 7175 ERITREA *V of the Broad Masses of Eritrea* in lang \*0324-0407+, guitar IS, ancmts, tk, unusual sounding mx, "Ihuna Asmara" ID, QRM from Hams (Alexander PA 11/22, Raymond NH 11/12)
- 7185 BANGLADESH *Bangladesh Betar* in EG \*1229-1300\*, IS, ID, nx, Bengali mx, Islamic prayers, no usual Ham QRM on Sunday morning (Maroti NY 11/29)
- 7185 MYANMAR *R Myanmar* in Bamar \*0030, exotic Burmese mx w/lots of percussion, ancmts, OM took over at 0034 with what sounded like an exhortation, strong but choppy signal (Hill MA 12/5)
- 7200 GREECE *VOA* relay Kavalla in EG 0131, "News Now", items re Iraq & Turkey (Ross ONT 11/9)
- 7210 QATAR *QBS* in AR 1805, nx, ID, mx, tk (Serra ITALY) in AR 0303, AR mx, tk, g (Raymond NH)
- 7265 INDIA *AIR Delhi* in Farsi 1634-1730\*, nx, tk, ME vcls, //11585, ID's, armchair copy (Hill 12/8)
- 7280 CHINA *V of the Strait PLA* in CH 1135, tk w/occasional mx, f, //4940 (Ziolkowski NY 11/21)
- 7285 UZBEKISTAN *R Tashkent* in EG \*0100, ID, nx, lcl mx, weak under DW, //7105 (Alexander 11/14)
- 7305 VATICANSTATE *Vatican R* in EG 0240, speech by Pope John Paul w/plea to end violence in Dem Rep of the Congo, ID, feature on human rights, //9605 (Ross ONT 11/10, Newbury NE 11/1)
- 7325nf AUSTRIA *RAI* in EG 0030, ID, "News from Vienna", "Report from Austria" (Ross ONT 11/25)

- 7340 **BOTSWANA VOA** relay in EG 0316, wx rpt for African cities, "Daybreak Africa", sports scores, "News Now" (Ross ONT 11/9, Newbury NE 11/1)
- 7365 **ALASKA KNLS** Anchor Point in EG 1315, tlk re sled race, ID, doing the Sermon on the Mount, mx by the Boston Pops, relig interviews (Ziolkowski NY 11/21, Raymond NH 11/22, Newbury NE 11/3)
- 7400 **RUSSIA R Jasna Gora** relay in PL \*2000, s/on w/church bells & elaborate fanfare after concluding relay of R Maryja, ID, relig vcl, xmsn is relay of Polish FM stn on Saturdays only (Hill MA 12/5)
- 7440nf7 **VIETNAM V of Vietnam** in EG 1809, nx, ID, cmntry re Asian econ crisis, f-p (Serra ITALY 12/17)
- 7450 **GREECE V of Greece** in GK 0234, traditional GK mx, //9375, 9420 (Newbury NE 11/1)
- 7535nf **BULGARIA RB** Sofia in EG 2200, ID, TC, fqys, lcl nx, DX show, //7545 (Krause OH 11/14)
- 9022 **IRAN VOIRI Teheran** in EG 0050, nx re Pres Clinton's meeting w/S Korea Pres (Pasquale PA 11/21)
- 9435 **ISRAEL Kol Israel** in EG 2015, nx re students striking for lower tuition, //7465 (Fraser MA 11/15) in EG 0505, rpt on explosion in Lebanon, ment of Germany in nx pgm (McGuire MD 11/17)
- 9480 **RUSSIA D Welle** relay Novosibirsk in GM 1020, ID, tlks, fair but fluttery (Ziolkowski NY 11/19)
- 9485 **BULGARIA RB** Sofia in EG 2000, IS, ID, fqy sked, political & econ nx, g (McGuire MD 11/13)
- 9500 **SEYCHELLES FEBA** in FR 1846, relig chant, promo, class mx, ID, exc signal (Serra ITALY 11/12)
- 9505 **PHILIPPINES R Veritas Asia** in IN 1200, ID's in EG, into IN service, QRM (Rippel VA 11/22)
- 9505 **AUSTRIA R Canada Int** relay in EG 0400, rpt on protest in Vancouver, BC, g (McGuire MD 12/9)
- 9520 **PHILIPPINES R Veritas Asia** in CH 0950, pop instrmls, horns IS, EG ID, sked, f (Ziolkowski 11/19)
- 9525 **POLAND Polish R Warsaw** in EG 1300, nx, billboard, "Panorama", ID, mail, p (Ziolkowski 11/29)
- 9535 **THAILAND RT** in EG/Thai 2036, "News Perspective", IS (gong), ID in Thai, jingle, f-g (Serra 12/17)
- 95536 **SAUDI ARABIA BSKSA** in AR 0426, Holy Koran, p w/splatter from RFI on 9550, //97183 better (Kohlbrener PA 11/25) in AR 1905, regional nx, AR mx, g (McGuire MD 12/8)
- 9575 **SINGAPORE Swiss R Int** relay in EG 1415, nx, wx rpt, cmnty re Euro Union (Newbury NE 11/3)
- 9595nf **SPAIN REE** in EG 2020, political & econ nx, mentions of European Union, g (McGuire MD 11/6)
- 9615 **RWANDA Deut Welle** relay in EG 2103, IS, ID, nx, "Weekend Review" (Ross ONT 11/8)
- 9650 **CANADA R Korea Int** relay in EG 1140, tour ship from S Korea to visit N Korea (Fraser MA 11/18)
- 9665 **ASCENSION IS R Japan** relay in EG 0000, ID, tlk on free trade, mail (Ross ONT, McGuire MD)
- 9685 **IRAN VOIRI** Teheran in EG 0035-0127\*, Koran chants, nx, tlks, ID, IS (Ross ONT, McGuire MD)
- 9725nf **CANADA RCI** Sackville in EG 2133, mail, "This Week in History", ment CIDX club (Ross 11/8)
- 9730 **FRENCH GUIANA China R Int** relay in EG 0400, world nx, cooking show, scientists warn about solar storms in yr 2000 and possible effect on satellites (Ross ONT 11/9, Raymond NH 11/15)
- 97375 **PARAGUAY R Nacional** in SP 0835, ID, ancmts, LA mx, very strong sig (Alexander PA 11/14) in SP 0135, romantic SP ballads, ID's, vg (Raymond NH 12/3)
- 9740 **SINGAPORE BBC** relay in EG 1344, "News Hour", new ferry service from Iraq to UAE (Ross 11/7)
- 9745nf **SOUTH AFRICA AWR Africa** in EG 2028, ID's in various langs, IS, special pgm on Wavescan hosted by R Korea, ancmts, song (Serra ITALY 12/17, Krause OH 11/8)
- 9775nf **ECUADOR HCJB** Quito in EG 0751, musical pgm, mailbag, heavy QRM (Krause OH 12/6)
- 9870 **AUSTRIA RAI** Vienna in GM 0237, Broadway tunes in GM, ID, QTH, f (Newbury NE 11/1)
- 9870nf **MONACO Trans World R** in EG 0802, religious teaching pgm, g but some fade (Krause OH 12/6)
- 9885 **SWITZERLAND SRI** in EG 0119, life & tradition of Peruvian Indians, //9905 (Newbury NE 11/14)
- 9895 **NETHERLANDS RN** Flevo in EG 1933, nx, lcl wx rpt, "Sincerely Yours", ID (Ross ONT 11/8)
- 9900nf **CENTRAL AFRICAN REPUBLIC R Minurca** in EG/FR 1945-2235+, DJ chatter in EG, Afro and Euro pop mx, ID, fqy, QTH, ancmt in FR after 2000 (Alexander PA, Kohlbrener PA, Sgrulletta NY)
- 9905nf7 **SRI LANKA SLBC** in EG/lang 0140-0245, lcl mx pgm, EG ID, nx in lang, f (D'Angelo PA 12/14)
- 9925 **CROATIA Croatian R** in EG 0205, nx about Croatia & Slovenia relations, p (Pasquale PA 11/13)
- 9965 **ARMENIA V of Armenia** in EG 2115, ID, IS, national nx, several mx selections, wx, press review (Ross ONT 11/11, Krause OH, McGuire MD 12/8) ED: PWBR lists xmt power of 1000 kw!
- 9965 **CHINA CRI Baoding** in IT 1831, nx, ID, cmntry re Desert Fox mission in Iraq (Serra ITALY 12/17)
- 115701 **PAKISTAN RP** in EG 1622, nx in slow EG, ID, QRM splats (Serra 12/7) in FR 1950, cmntry with mentions of Pakistan, NA at 2000\*, wobbly audio (Ross ONT 11/8)
- 11605 **ISRAEL Kol Israel** in EG 2000, IS, ID, TC, nx re car bombing in Jerusalem, sports nx, Rabbi blesses olive oil (Ross ONT 11/8, Newbury NE 11/1) in AR 0740, Mideast mx, tlk (Bueneman MO 11/27)
- 11620 **INDIA AIR Bangalore** in EG 1858, ID, Hindu mx, sitar, drum, TC, nx (Newbury NE, Ross ONT)
- 11640 **SEYCHELLES FEBA** in Amharic 1701\*, sermon, pop mx breaks, ID, fqy, IS (Serra ITALY 11/18)
- 11660 **AUSTRALIA RA** in EG 1544, pgm on economics, ID, nx, mx selections, QRM splats (Serra 11/30)
- 11675 **CHINA CRI Xi'an** in EG 1221, tlk on CH culture, CH mx, p, //7385 better (Ziolkowski NY 11/14)
- 11705nf **SOUTH AFRICA TWR** relay Meyerton in Tidgrinya 1625\*, repeated ID's in EG to 1630 then into dialect pgm, lively Afro mx, new fqy beamed daily to Eritrea, EG ID/IS at 1700\* (Treibel WA 12/5)

- 11725 GERMANY *Good News World R* relay in EG 1748, relig pgm on Saturdays only (Krause OH 12/5)
- 117341 TANZANIA *RT Zanzibar* in SH 1930, Afro pop mx, TP's 2000, ID, AR style mx, percussion, flute, nx brief?, closing ancmts to 2100\* (Kohlbrener PA 11/23, Newbury NE 11/26, Sgrulletta NY 12/8)
- 117349v URUGUAY *R Oriental* Montevideo in SP 2358, balada selection, full ID 0000 including AM fgy, f-p signal (Novello NC 11/28) in SP 0045-0220+, live futbol coverage, ads, ID (D'Angelo PA 12/16)
- 11740 INDIA *AIR Panaji* Goa in EG \*1526-1546\*, open carrier for 5 mins, 3+1 pips 1530, ID, TC, into nx w/ many audio clips, off abruptly 1545, f, //9700 (D'Angelo PA 12/14) ED: Repl for Bangalore?
- 11775 ANGUILLA *Caribbean Beacon* in EG 1427, Dr Scott preaching again after hurricane (Rigas IL 11/5)
- 11775nf IRAN *VOIRI* Teheran in EG 1600, new fgy, ID, cmntry, EG xmsn from 1530-1630 (Treibel 11/23)
- 11775 GUAM *KSDA Adventist World R* in VT 2237, long tlks in lang, EG ID (Costello NJ 12/4)
- 11785 EGYPT *Egyptian R* in AR 1114, lcl chants, ID "...min al Qahira", AR mx, tlk, f (Serra ITALY 11/11)
- 11785 BRAZIL *R Guaiba* in PT 0758, Brazilian mx, ID 0800, promos, tlk, g-f (Bueneman MO 11/27)
- 11790 INDIA *AIR Bangalore* in lang 0058, IS at tune in, Hindu mx, weak but clear (Alexander PA 11/14)
- 11875 IRAN *VOIRI* in EG 1122, cmntry re Iraq crisis/ nuke weapons in Israel, AR mx (Serra ITALY 11/11)
- 11895nf NORWAY *RNI* in NO 1705, nx w/interview in EG insert, good signal at tune in but f/o by 1730, IS at 1729, //15705, technically this is a return to an old fgy used by RNI in 1982 (Treibel WA 12/10)
- 118951 BRAZIL *Sistema LBV Mundial* in PT 0800, relig mx, jingle, canned ID, p (Nozaki JAPAN 11/21)
- 11905 SRI LANKA *SLBC* in EG 0025, ID in EG, antiphonal chant, flute & percussion mx (Newbury NE)
- 11920 THAILAND *VOA* relay in EG 1851, pop mx, tlks, jazz, ID, p (Serra ITALY 12/17)
- 119403 CAMBODIA *Nat Voice of Cambodia* in lang? 1215, nice SEA mx, return to fgy? (Rippel VA 11/29)
- 119547 ANGOLA *R Nacional* in PT? 0232, pop vcls w/European flavor (Costello NJ 12/1) in PT 2055, mix of hi-life & pop mx, TP's, ID's at 2100, nx? (Kohlbrener PA 11/23) 2200 blues mx (Newbury 11/3)
- 11990 KUWAIT *RK* in EG 1930, tlk re ancient Moslem teachings (Pasquale PA) in AR 1720 (Newbury NE)
- 12015nf ECUADOR *HCJB* Quito in EG 0112, cmntr on "The War of the Worlds" radio play (Levison PA)
- 12080 GERMANY *R Vlaanderen* Belgium relay in EG 1730, Belgium nx, sports, wx, DX pgm (Krause OH)
- 12085 SYRIA *R Damascus* in GM 1851, tlk, AR chants, ID's, nx in brief, fgy, QTH (Serra ITALY 11/28)
- 12090 MADAGASCAR *R Nederland* relay in EG 1515, interview w/author of new book (Krause OH 12/6)
- 13600 SAO TOME *VOA* relay in EG 1647, nx in special EG, tlk re Clinton's troubles (Newbury NE 12/2)
- 13680 UNITED KINGDOM *Merlin Net One* in EG 1408, rpt on old st'n Sunshine Radio, ID (Krause OH)
- 13695 THAILAND *R Thailand* in EG 0029\*, IS, ID, Thai culture pgm, lcl mx, int'l, business, & lcl nx, TC wx rpt, s/off ancmt, short instrum'l, 6 pips, TC, 8 notes on gong (Ross ONT 11/12, McGuire MD 12/8)
- 13700nf FRENCH GUIANA *Swiss R Int* relay in EG 2010, nx topics re Switzerland, ID's (Krause OH)
- 13800 NORWAY *R Norway Int* in NO 1505, nx, ID w/musical accompaniment, ID (Newbury NE 11/2)
- 15084 IRAN *VOIRI* Teheran in GM 0819, tlk re Mideast affairs, fqys, IS, vcls, chant (Serra ITALY 12/1)
- 15140nf? PORTUGAL *RDPI* Lisbon in PT 0836, fine mx, tlks on tourism, folk mx, ID, TP (Serra 12/1)
- 15145 GERMANY *Deut Welle Wertachtal* in EG 1618, tlk re Albanian refugees plight (Newbury NE 11/2)
- 15185nf SWITZERLAND *SRI* Sottens in EG 1402, ID's, world nx, tlk on local wines (Krause OH 11/8)
- 15190 PHILIPPINES *R Pilipinas* Tinang in lang 1930\*, continuous vcls, ID, sked, fqys (D'Angelo 12/15)
- 15225 GUAM *KSDA Adv World R* in IN 2210, relig tlk, choral songs, Guam ID at 2229 (Costello NJ 12/4)
- 15325 JAPAN *R Japan* Tokyo in EG 0153, hi-tech discussion on HDTV, ID, QRM Brazil? (Costello 12/2)
- 15340 INDIA *AIR Bangalore* in Thai? 1136, tlk, ID, Hindu mx, weak but clear, //17895 (Ziolkowski 11/29)
- 15345 MOROCCO *TV Marocaine* in AR 1142, AR mx, tlks, f, //15335 weaker (Ziolkowski NY 11/29) in AR 1531, DJ in lang, AR pop mx (Newbury NE 11/2) in AR 1755, nx, fgy, sked (McGuire 12/8)
- 15465 PAKISTAN *RP* in EG 1402, nx, ID w/segment of Typewriter song, into lang, f (D'Angelo PA 12/14)
- 15530 FRENCH GUIANA *RFI* relay in EG 1258, end of pgm commemorating WW I (Pasquale PA 11/11)
- 15575 SOUTH KOREA *RK* in EG 0218, pgm on Korean culture, lcl mx on flute (Newbury NE 11/1)
- 15585 MADAGASCAR *R Nederland* relay in EG 1530, nx, wx, ID's, feature (Krause OH, Newbury NE)
- 15595nf VATICAN STATE *VR* in FR \*1700, IS, f, QRM KTBN, //5880, 9645 (Treibel WA 11/25)
- 15610 GUAM *KSDA Adv World R* in Mandarin 2208, tlk, choral songs, ID 2300 (Costello NJ 12/4)
- 15635 AUSTRALIA *ADFR* in EG 0413, pop songs, nx by DJ, cmntry, //14790 better (Costello NJ 12/1)
- 15705nf NORWAY *R Denmark* relay in DN \*1630, ID, long tlk in DN, formerly 15695 (Treibel WA 11/25)
- 15715tstc GERMANY *RTBF Belgium French Network* relay in FR 1725-1800, mostly tlk with ID's each 15 minutes in FR and EG, f-g, polar flutter, RTBF not hrd here since 1992 (Treibel WA 12/14)
- 15820l5b ARGENTINA *R Rivadavia* feeder in SP 0145, ads, soccer match, //630 khz, TC (Eramo ARG 12/3)
- 17805 ROMANIA *RRI Bucharest* in EG 1308, nx, ID, poor w/QRM, //17745, vp (Ziolkowski NY 11/27)
- 17815 BRAZIL *R Cultura* in PT 0045, jazzy piano mx, weak but clear, //9615 w/QRM (Ziolkowski 11/7)
- 17820 PHILIPPINES *VOA* relay in EG 2213, "News Now", tlk on Taiwan-China rivalry (Newbury 11/2)

- 17870nf **SOUTH AFRICA** *Channel Africa* in EG 1810, "Newswatch", ID's, drum sound break, cmntry on stabilizing South Africa's economy (Serra ITALY 12/17, Newbury NE 11/6)
- 21550 **UNITED KINGDOM** *Merlin Network One* in EG 1455, DJ tlc, many ID's, fqys, promos, WEB address, ancmts, jingle, pop song, exc (Serra ITALY 11/11)
- 21550 **CHILE** *Voz Cristiana* in SP 1631, mentions of Jesus Christ, LA mx, nx, pop band (Newbury 11/2)
- 21700nf **SPAIN** *REE Noblejas* in SP 1735, some SP mx, g, //17715, xmsn runs 1200-1800 (Treibel WA 12/2)
- 21810 **SWEDEN** *R Sweden* in EG 1430, "Spectrum" about arts in Sweden, g (Krause OH 11/7)
- 26470 **USA** *WJFP* Ft. Pierce, FL in EG 1704, many ID's for 107.1 and 91.1, ads, mx, g (Krause OH 11/26)

## Clandestine, Tentatives, Presumed, or Unknown

- 5985 **CONGO** *RTV Congolaise* (t) in FR 2100\*, hi-life mx, f-p, QRM VOA in FR (D' Angelo PA 12/15)
- 68026v **ALGERIA?** *R Algiers?* in AR 1817-2300\*, AR lite pop mx, 5+1 pips on the hr, guitar flourish, ME vcls, nx?, switched to FR influenced African veracrual around 2145 and continued in that language until 2300 abrupt cut-off (Hill MA 11/28, Novello NC 11/28) ED: CUMBREDX reports ID for R Algiers on 11/28-29 but not heard on December 2 - off now? (Frodge MI, Valko PA via CUMBRE)
- 68419 **SOMALIA?** *R Hargeisa?* (p) in AR 1857, Qur'an til abrupt cut-off 1859, very weak (Hill MA 11/24)
- 6937 **CHINA?** *Yunnan PBS* (p) in CH 1140, CH mx sels, no ID, also hrd abt 2300 (Rippel VA 11/29)
- 79999 **ERITREA?** *V of Sudan* (p) in AR 0410, male singing accom by flutes, best hrd on LSB which got rid of possible jammer, signal just above static level, f/o 0445 (Costello NJ 12/3)
- 96682 **UNIDENTIFIED** Talk in lang? 0140, mx with some tlc between sels, mx sounded like Asian rather than Arabic, sign off 0157\*, p (Ziolkowski NY 11/7) ED: CUMBRE DX contributors have reported clandestine VO Islamic Revolution-Iran to Iraq-s on 9670 but around 0400 rather than time reported above (Tomasko IL 12/6 and Johnson FL via CUMBRRE DX)
- 9775 **USA?** *V of Greece* via Delano, CA relay? in EG 0730, nx, ID, GK mx, good level but mixing with HCJB on same fqy, //9420 (Alexander PA 11/29) ED: Both WRTH and PWBR list Delano relay during reported time slot.
- 11995 **UNIDENTIFIED** *V of Kashmir Freedom?* in lang? 1131, continuous chants with instl mx & ancmts, classical mx break, many ments of Pakistan, QSB, f-p (Serra ITALY 11/10)
- 151501 **INDONESIA?** *RRI Jakarta* (p) in IN? 0030, tlc & mx sels, //15125, both signals weak, splatter from strong sig on 15140-HCJB created a challenge on 151501 (Costello NJ 12/4) in IN? 0905, continuous pop songs, ancmts, flute mx, pop songs, ID?, p (Serra ITALY 12/1)
- 15625 **PAKISTAN?** *R Pakistan* (p) in lang 1159, IS strangely similar to India, Islam call to prayer 1202, very weak signal but in the clear (Ziolkowski NY 11/29)

## Hardware Bits

by Alan Johnson

**TENTEC RX-320 RECEIVER CONTROL PROGRAM VERSION 1.27**—Shortly after I finished my review of the RX-320, TenTec released an updated version of the control program for the receiver. Version 1.27, released on November 20, 1998, is available for download at [www.tentec.com](http://www.tentec.com). This version incorporates some of my desired changes to the software. For starters, clicking on the "World Time/UTC" button brings up a window that allows for choosing any of the WWV or CHU frequencies. There are now two options when closing the window—either keeping the receiver tuned to the time signal station or reverting to the previously tuned frequency. The options menu now allows the user to defeat the default tuning and filter selections when different modes are selected. Unfortunately, the program doesn't remember your choices after the program is closed. The options menu also permits setting the frequency offset for exact zerobeat. This offset value is retained between sessions. The TenTec programmers added a "New" command to the "Files" menu on the Menu bar. This command, in conjunction with the "Open" command, allows the operator to set up different memory files (designated as "\*.rmf" files) which can be opened in the Memories screen. This permits organization of memories, such as all BBC fqys, Indonesians, etc. This added command should allow for much greater efficiency in using the memory capabilities of the RX-320. These software enhancements make a great radio even better. TenTec's address is 1185 Dolly Parton Parkway, Sevierville, TN 37862; (800) 833-7373; E-mail: [sales@tentec.com](mailto:sales@tentec.com); Website: [www.tentec.com](http://www.tentec.com). 

# 12th Annual Winter SWL Festival

March 13-15, 1999

Holiday Inn  
Sumneytown Pike  
Kulpsville, Pennsylvania



Last Fest before The Millennium!



Get there any way you can!

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

No frills; just shortwave, longwave, mediumwave,



pirates, and scanning. Once again you will enjoy the camaraderie of your hobby friends.

Registration Options include:

- FULL. — Includes forums, hospitality room, lunch and banquet — \$40
- PARTIAL. — Includes forums, hospitality room but NO meals — \$17
- SPOUSE. — Includes hospitality room and meals — \$22



GRAND PRIZE: To be announced

SPECIAL: Register early to win a SW portable! One free entry for an early-bird registration received by February 12, 1999.

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

Checks should be made payable to WINTER SWL FEST. Register directly with the hotel for your rooms by calling the Holiday Inn at (215) 368-3800. For 1999, one special rate \$69 single or double! Tell the hotel staff you're with the WINTER SWL FEST to receive this special room rate. Up to the minute info. can be heard on the ANARC SWL.NET on 7240 LSB at 10 AM Sundays.

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

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



Winter SWL Festival  
PO Box 591  
Colmar, PA 18915



Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ E-Mail: \_\_\_\_\_

Circle: FULL PARTIAL SPOUSE (Spouse Name \_\_\_\_\_)

Banquet - Check: Roast Beef  Chicken  Registration Fee Enclosed: \$ \_\_\_\_\_

I wish to purchase \_\_\_\_\_ raffle tickets Tickets Fee Enclosed: \$ \_\_\_\_\_

(\$1 ea/6 for \$5/Special 13 for \$10) Total check/money order enclosed: \$ \_\_\_\_\_

Registration cancellations after 2/28/99 cannot be refunded, however we will refund raffle ticket money if you have to cancel.

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

# 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,  
P.O. Box 491, Lincroft, NJ 07738

**Shortwave Center:** Jerry Lineback, 506 S.  
Lawrence Ave., Scranton, KS 66537

**Easy Listening:** Richard Cuff, 327 Springhouse  
Road, Apt. 102, Allentown, PA 18104

**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, 506 S. Lawrence  
Ave., Scranton, KS 66537

**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, N2EI  
P.O. Box 236, Beverly, NJ 08010

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

**The Company Store:** Dan Cashin, 1335  
Harrington Road, Havertown, PA 19083

### 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/>

