

**NASA**

the  
**JOURNAL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

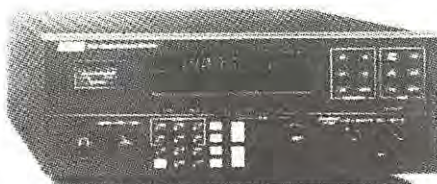
Volume XXXV Number 7

July 1995



# DRAKE

## R-8A



### PRELIMINARY SPECIFICATIONS

|                            |                               |
|----------------------------|-------------------------------|
| Dimensions .....           | 13.2"W x 5.25"H x 13"D        |
| Weight .....               | 13 Lbs. (16 Lbs. ship)        |
| Frequency Range .....      | 100 - 30000 kHz               |
| AC Power .....             | 100/120/200/240 VAC           |
|                            | 50 or 60 Hz 40 Watts          |
| DC Power .....             | 11 - 16 VDC @ 2A              |
| Antenna 1, Converter ..... | 50 ohms unbalanced            |
| Antenna 2 .....            | 50 or 500 ohms unbal.         |
| Selectivity .....          | ② -6dB ③ -80dB                |
| All modes except FM        | 6.0 kHz <12.0 kHz             |
|                            | 4.0 kHz <8.0 kHz              |
|                            | 2.3 kHz <4.5 kHz              |
|                            | 1.8 kHz <3.6 kHz              |
|                            | .5 kHz <1.5 kHz               |
| FM mode only               | 12.0 kHz <25.0 kHz            |
| Ultimate Selectivity ...   | >95 dB                        |
| Image Rejection .....      | >80 dB -1.30 MHz              |
| I.F. Rejection .....       | >80 dB 45 MHz                 |
|                            | >100 dB 50 kHz                |
| Third Ord. Intercept ...   | > +20dBm                      |
| Dynamic Range .....        | 100 dB                        |
| Notch Filter Attn. ....    | 40 dB min Depth               |
|                            | (500-5000 Hz)                 |
| Sensitivity .....          | 10 dB S+N/N                   |
| SSB/CW                     | <1.0µV -1.5 MHz               |
|                            | <0.5µV 1.5-30 MHz             |
|                            | <0.25µV 5-30 MHz <sup>1</sup> |
| AM                         | <3.0µV -1.5 MHz               |
|                            | <1.5µV 1.5-30 MHz             |
|                            | <0.8µV 5-30 MHz <sup>1</sup>  |
| FM (12dB S+N)              | <0.5µV 1.5-30 MHz             |
| Freq. Stability .....      | ±5 ppm, -10° to 50° C.        |
| Freq. Accuracy .....       | ±100 Hz, -10° to 50° C.       |
| Intermediate Freqs. ...    | 1st IF = 45 MHz               |
|                            | 2nd IF = 50 kHz               |
| Ext. Speaker Output .      | 2.5 Watts, 4 Ohms.            |
|                            | <10% distortion               |
| Recorder Output .....      | 300 mV, 4.7K Ohms.            |
| Demodulator Output ..      | 300 mV, 4.7K Ohms.            |
| Operating Temp. ....       | -10° to 50° C.                |

### USED RECEIVERS

Call our toll free number (1 800 431-3939) to request our free used equipment list published every two weeks.

The R.L. Drake Company has been a leading name in American electronic communications since 1943. The new Drake R-8A is the latest offering in this proud tradition of excellent receivers. The R-8A is a microprocessor controlled, synthesized, all mode, world band receiver offering excellent sensitivity, high dynamic range and other features for the most demanding listener. It has been designed as a "complete package." You get many items as standard equipment, that would be extra on other receivers. Multi-mode reception (AM, FM, USB, LSB, RTTY and CW) is featured throughout the range of the receiver (100 kHz to 30 MHz). A high-Q, 8-pole, electronically switched IF filter provides a range of five bandwidths. User selection of bandwidths is now available with one keystroke independent of mode (or automatic). The improved, easier to read, front panel display provides visual feedback to the operator of the current status of the receiver. In the AM mode, a selectable synchronous detector (SYNCHRO) allows for enhanced reception by eliminating or reducing distortion due to fading signals. A Passband Offset control also aids in reducing or eliminating interfering signals by electronically shifting the receiver's IF frequencies without disturbing the operating frequency. This action allows the operator to electronically move interfering signals out of the receiver's passband thus utilizing the degree of selectivity provided by the high-Q, 8-pole IF filter. The Passband Offset is also coupled to the synchronous detector (SYNCHRO) allowing the passband to be altered while the detector is in use. Other reception aids include selectable AGC, wide/narrow noise blanker, RF preamplifier for enhancing weak signals, RF attenuator for further improvement of strong signal handling capabilities, tone control and an adjustable RF gain. A Notch filter is also supplied as an effective tool to eliminate offending tones (heterodynes). A muting control allows operation with a transceiver. Two VFOs (tuners) are provided and frequencies can be directly entered through the keypad. 440 non-volatile alpha-numeric memories are now provided. As a result of three scan methods and three scan modes; nine distinct scan functions are supported in the R-8A. The three methods are: Stop at carrier detect, Pause 5 seconds on carrier and Pause at carrier until carrier drops for 5 seconds, then resume scan. The three modes are: Scan all memories, all unlocked memories of user-selected list or Scan from VFO A to B. The memory scanning speed has been increased to 40 channels per second.

The R-8A has two 24 hour clock-timers to allow the R-8A to turn on and off at preset times. In addition, the rear panel Timer connection (5 pin DIN) allows control of small recorders to record a favorite program. The R-8 rear panel provides a common DB-9 connector for standard RS-232C data communications with a personal computer. This interface provides control and programming capability of the R-8A including reports of frequency, mode, memory channel, name and signal strength. Only the analog controls such as volume, RF gain, etc. are not controllable. In terms of performance and features, the American-made R-8A is the new state-of-the-art standard! Expected delivery is June 1995. Order your R-8A now from Drake's largest U.S. dealer. Order #0080. Discount Price \$1059.95 (+\$15 UPS)

### R-8A IMPROVEMENTS

- ◆ Improved Ergonomics: Single key press will select your mode and bandwidth.
- ◆ More Memories: 440 memory positions.
- ◆ Faster Scanning: Scan 40 channels per second.
- ◆ Alphanumeric Display: Program names may be displayed on the front panel (7 characters).
- ◆ Display & Entry Freqs.: Display and entry of frequencies are user programmable in kHz or MHz.
- ◆ Cabinet Feet: Front panel tilt via a metal bail.
- ◆ Event Timers/Clocks: 2 Timers. The time may be programmed to remain on at all times.
- ◆ Expanded RS-232 Control: Allows customized reports of frequency, mode, memory, channel, name, and signal strength.
- ◆ Improved AGC: The AGC has a smoother attack for improved SSB listening.
- ◆ Tone Control: Expanded control of high frequency range.
- ◆ FM Receive Mode: A highpass filter has been added to reduce sub-audible tone squelch signals.
- ◆ Line Cord: New detachable power cord.

universal  
radio inc.

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

### ◆ HUGE CATALOG ◆

Our new 1995 Summer Catalog is bigger than ever, with everything for the listener, ham or scanner enthusiast. Available FREE by 4<sup>th</sup> class mail or for \$1 by 1<sup>st</sup> class mail.

Universal Radio ...  
Serving Listeners Since 1942!

### STORE HOURS

|                 |            |
|-----------------|------------|
| Monday - Friday | 10:00-5:30 |
| Except Thursday | 10:00-8:00 |
| Saturday        | 10:00-3:00 |
| Sunday          | -CLOSED-   |

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

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# Contributors' Page

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John Schmid  
P.O. Box 86  
Line Lexington, PA 18932

## In Memory of John Schmid

In early June we were saddened to learn that our Distributing Editor, John Schmid, passed away. John was a long time member of our club and graciously stepped forward to fill the void left by the unexpected passing of Vern Hyson last year. His friendship, warm smile, and cheerful demeanor will be missed by all.

Many of you probably met John at one or more of the Winter SWL Festivals. Each year, John helped out "behind the scenes" to make the FEST a success. He was one of the quiet helpers that don't seek out a lot of credit for their contributions but help make things happen thanks to a co-operative, helpful nature. Also, John was always willing to take a turn or two at the club's table at each FEST. Indeed, his contributions to the club and hobby scene will be missed.

Our local Philadelphia NASWA Chapter had the pleasure of seeing and talking with John each month at our meetings. He was always a regular; people like John make group gatherings such as our third Friday of the month meeting work. Once again, his contributions to these meetings will be missed.

On behalf of the staff, the editors, and the entire NASWA membership, the Executive Council extends our sympathies to John's family and many friends. We will miss him. Rest in peace, OM.

In honor of John's memory, we dedicate this issue of the *JOURNAL* to him.

# NASWA Notes

Richard A. D'Angelo  
2216 Burkey Drive  
Wyomissing, PA 19610

**T**he sudden, unexpected death of John Schmid was very sad news to receive. John's warm, cheerful, and good natured personality made him a valuable friend and member of the NASWA team. He will be missed. His passing occurred around the time of the Distributing Editor's deadline so if your contributions were sent to Line Lexington last month, they are probably not in the *JOURNAL*. Stepping in to fill John's shoes as Distributing Editor is Fred Kohlbrenner (2641 South Shields Street, Philadelphia, PA 19142).

Based upon membership response to our survey a few months ago, we are introducing a new column to the pages of the *JOURNAL*. Veteran DX'er, staff member, and pirate enthusiast Chris Lobdell (P.O. Box 146, Stoneham, MA 02180-0146) will bring pirate news and information to the bulletin. We are very interested in your reaction to this new column. Please provide Chris with your support and let us hear from you with a Musing about the new column.

And speaking of the membership survey... a few months ago I mentioned that the results would be appearing in the *JOURNAL*. This is still the plan although the schedule has had to be altered to fit Harold Cones' busy schedule. Please be patient, the results will appear.

## ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave 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. Net Controls Bob Brown KW3F, Hausie WB4JSP, and Tom Sundstrom W2XQ, host an always lively gang of DX monitors. (Best heard in the eastern half of NAm)

The Association of North American Radio Clubs ("ANARC") is canvassing its Club Representatives for nominations to serve on its seven member Executive Board. If you are interested in being nominated for one of these important positions, contact our Club Representative, Bob Brown. Nominees must be a member of at least one ANARC club. ANARC Executive Board members serve a two year term and govern the day-to-day operations of the association. This is where all the decisions are made! From the elected Executive Board members, a Chairman is selected to serve a concurrent one year term. The Executive Board term begins on January 1, 1996 and runs for two years. NASWA is

## Welcome to the following new NASWA members -

Charles Beauchamp, Oxford, MI  
Mr. William Bell, Berwyn, PA  
John Blachley, Palm Desert, CA  
Art Blair, Orangevale, CA  
Richard Clark, Bracebridge, ONT CANADA  
Bob Coomler, Santa Rosa, CA  
J. S. Corcoran, Oak Brook Terrace, IL  
John F. Corrigan, Wilmington, DE  
Steve Curtis, Nederland, CO  
James L. Dreitlein, Ledyard, CT  
Laurie Fowler, Tuscaloosa, AL

Mike Hanmer, Madison, WI  
Mr. James L. Harris, Winchester, VA  
Truman Harris, Mclean, VA  
Paul R. Hochuli, Ridgewood, NJ  
Frank Kay, Westlake, LA  
Dudley Lab, Toms River, NJ  
Khemraj Mahadeo, Brooklyn, NY  
David R. Mobley, Springfield, OR  
Rev. James E. Thompson, Berlin, NJ  
John T. Traum, Holland, PA  
Yuji Yamada, Hiroshima, JAPAN

Our Motto is - "Unity and Friendship"

looking for one or more of its members that may be interested in serving in this capacity. Currently, we have seven members serving in these positions: Harold Cones, Rich D' Angelo, Dave Marshall, John McColman, Mark Meece, Bill Oliver and John Vodenik. The terms of Messrs. Cones, Meece and Oliver expire at year-end. If you are interested in serving on the Executive Board of ANARC (and possibly serving as its Chairman!), please contact Bob Brown by August 1<sup>st</sup>. The election takes place in September.

Our friends at the Danish Shortwave Clubs International (DSWCI) have just published two new editions of their well-known publications for advanced DX-ers. The 23<sup>rd</sup> annual edition of the TROPICAL BANDS SURVEY ("TBS") has been compiled again by Anker Petersen. It lists all active broadcasting stations in the 2000 - 5900 kHz range by frequency, power, location and transmission time. It is completely updated through May 1995, and is based upon monitoring information from DX-ers all over the World. Each station is classified by a code

describing its current audibility. It consists of 28 offset printed A-4 Pages. The Clandestine Broadcasting scene changes quickly, and therefore Finn Krone again has updated the DSWCI CLANDESTINE LIST through May 1995. The list contains the latest available data on all active Clandestine stations broadcasting on shortwave, including transmission schedules, political organization, language, addresses and verification policy. The stations are listed in frequency order, as well as in time order and country by country. You'll also find much background information of the Clandestine stations, which are not found elsewhere. It consists of 28 offset printed A-4 pages, an increase of 8 pages compared to the 1994 edition. Each of these publications are available for 10 IRC's for airmail delivery worldwide. Send your order and payment to: DSWCI, c/o Bent Nielsen, Egekrogen 14, DK-3500 Vaerloese, Denmark.

That's it for this month. Enjoy this month's *JOURNAL*; it's another good one.

### Calendar Of Events

- Jul 15** - The **Miami Valley DX Club** (All band orientation) meets on the third Saturday of each month at 1 PM. Locations vary but are announced in advance. For info, call the MVDXC (614) 471-9973 Or, send a SASE to MVDXC, Box 292132, Columbus, OH 43229-8132
- Jul 21** - Meeting, **Philadelphia Area NASWA Chapter**. Kulpville Holiday Inn, Kulpville, PA. 7:30 PM Contact Dan Cashin (215)446-7831
- Jul 21** - Meeting, **Boston Area NASWA Chapter**. The Lexington Club, Rts. 4 & 225, Lexington, Mass., 7: 30 p.m. Location is 1/4 mile west of Rt. 128, Exit 31. For more info, contact: Paul Graveline, 508/470-1971, or Internet 74007.3434@compuserve.com.
- Aug 6** - The **Tidewater SWLs** meet on the first Sunday of each month at 6:30 PM. For info, call Joe Buch, (804) 721-2782.

**Members are invited to submit items to be included in this calendar to Bob Brown.**

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

A Country List update by Don Jensen informed members of some changes to the list as we# as the fact that "International Waters" and "Outer Space" were rejected as countries. Veteran DX'er Bill Sparks renewed for his seventh year. Gerry Dexter announced that ANARC merit awards are now available and will be issued periodically to those that have made significant contributions to the hobby. In Gregg Calkin's QSL Report column, Chris Lobdell presented the "Central American White List." Calkin also notes an upsurge in replies from Damascus. An SSB test from Radio Barbados on 9970 kHz at 0330-0430 was reported by Ernie Behr in the Flash Sheet, edited by Al Niblack.

## 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 Bob Brown, 238 Cricklewood Circle, Lansdale, PA 19446 or via email - 74756.1557@compuserve.com*

**Gerry Bishop, 126 Dyer St., Niceville, FL 32578**

Just read in Linn's Stamp News (June 19, 1995, p.24) that international mail rates are to go up on July 9. According to Linn's, the new rates are:

- Canada 46c for < 1 oz; 52c for 1 oz; 40c for postcards.
- Mexico 40c for < 1 oz; 46c for 1 oz; 35c for postcards.
- All others 60c for < 1 oz; \$1 for 1 oz; 50c for postcards. Aerogrammes will cost 50c.

No more surface rates for international mail, as "the volume has all but disappeared." All letters and cards will receive airmail service.

All this is from an announcement by the USPS on June 6. I don't think we can complain. The last increase was over 4 years ago, and these increases mostly reflect nothing more than the interim aggregate inflation.

73, Gerry Bishop

**Marlin A. Field, 128 Oak, Hillsdale, MI 49242**

DXing can be expensive, especially for those of us on limited income. If one uses cassettes for reports, one way to save money is to send them by small packet rate, which is almost as cheap as an airmail letter if one includes other than the typed reception report. The additional cost is basically the tape. A postal employee alerted me to this rate. I've found a good place to buy cassettes, CRW Electronics, P.O. Box 22125, Chattanooga, TN. I first learned of CRW from our church, which uses tapes from them for its tape ministry. A free catalog can be obtained by calling 1-800-251-6388

## DUES INCREASE

Effective April 1, 1995, Executive Council determined that a US\$1.00 increase in membership rates in North America was necessary. The changing membership rates are associated with the recent increase in postage costs and other operating expenses of the club including printing. In North America dues are now US\$26.00. Overseas postage rates may rise later this year which could result in membership rates increasing. Overseas members may renew early to avoid the increase.

**FOR SALE:** MFJ Model 784 Tunable, Digital, S/P Filter. List \$220.00. Grove TUN-4 Preselector. List \$100.00. State of the art, brand new, and never used. Serious offers only, please. R.R. Dailey, 1815 Kleber Street, Pittsburgh, PA 15212-1618.

# Easy Listening

**Richard D. Cuff**  
1016 Chestnut Ridge Drive  
Timonium, MD 21093-1716  
CompuServe: 73651,153  
GEnie: R.CUFF  
Internet: rcuff@memtec.com

## A Mishmash

Welcome to the June *Easy Listening* column. It's a mishmash this month, as I didn't receive the July edition of *BBC Worldwide* in time for the inclusion of BBC World Service July program highlights. It has been a transitional month as I continue to get settled here in Baltimore, and as I change my utilization of on-line computer services. Sorry the column is a bit light this month.

## Surfin' the 'Net

The growth of Internet connectivity continues, and I have switched my principal on-line access activity to an Internet service provider with full graphical access to the World Wide Web (the Web), plus Gopher, Telnet, ftp, and USENET capabilities. The graphics-and-text combination on the Web has fueled extremely rapid growth in Internet traffic, and most of the commercial on-line services now provide Internet gateways. One of the latest broadcasters to sponsor a Web "home page" is **Radio Netherlands**, with a Web address ("URL") of <http://www.rnw.nl>. The growth of services on the Internet has also caused a jump in Internet traffic, which can test the impatient when traffic is heavy. Now that I have better Internet access, I'll provide updates here when I read about major international broadcasters introducing Internet-based information. One URL worth adding to your bookmark list is <http://www.cs.cmu.edu/~jblythe/short-wave.html>, a USA location for Thorsten Koch's Web page of Internet access links for international broadcasters. A great reference which Thorsten updates as broadcasters add Internet resources.

The most reliable address to use if you want to reach me on the Internet is the [rcuff@memtec.com](mailto:rcuff@memtec.com) address—hat's my electronic mail address at work, which I monitor frequently.

## HCJB July Highlights

Once again, courtesy of HCJB's Allen Graham, here are some program plans for July.

**STUDIO NINE** is HCJB's weeknightly news and features program emphasizing Latin America. The week of July 4 - 8 will feature several Latin American countries: in

Peru, it's a hiker's guide to the famous Machu Picchu ruins. In Mexico, the Americanization of the city of Monterrey will be discussed. Studio Nine will also visit Costa Rica, the land of volcanoes and parks. The week of July 11 - 15 brings travels to Guatemala, Brazil, and Ecuador. Each Friday features an installment of the series, *Mystery of Mysteries*, which asks the question "Did we evolve or were we created?"

On Sunday, July 9 during **MOUNTAIN MEDITATIONS**, host Jim Allen takes a look at at **IMITATING CHRIST** in organizational relationships. How should a Christian behave in his/her work when the boss is unfair? Tune in for some "Practical Christianity."

On Wednesday, July 19, **EL MUNDO FUTURO** will focus exclusively on health related fields - the whole program will be one "Health and Medical Update." Allen Graham hosts.

## BBC World Service Highlights

A change of pace this month - since I didn't receive *BBC Worldwide* in time for the column, I'll take a look at some regular BBC World Service features.

Tuesdays-Saturdays, 0330: **The World Today** is a daily mini-documentary on a single subject, normally presented by a BBC correspondent in the field. **The World Today**

normally incorporates a fair amount of news analysis, versus the more straightforward reporting found in *Newsdesk*. Also airs Mondays through Fridays 2115.

Thursdays 0030 and Sundays 0330: **From Our Own Correspondent** provides BBC correspondents a chance to impart a bit of their own personality and local background than a typical news dispatch would allow. You get a greater sense of the background tapestry afforded by the various locales the correspondents have been stationed in. Also airs Thursdays 2145 and Sundays 1505.

Tuesdays 0130: With *Omnibus*, you never know quite what to expect. *Omnibus* is a weekly half-hour documentary with no set theme; opera, history, science, geography are all fair game for treatment. *BBC Worldwide* rarely helps matters, as it provides upcoming topics for a particular month without specifying which date a particular topic will be covered. Also airs Mondays 1430.

## Target Topic: Travel and Tourism

Unfortunately I haven't been able to research this genre of programs extensively before putting this month's column together. Here is a selected list of topics from John Figliozzi's *Shortwave RadioGuide*. A total of 25 different English language programs are shown; not all are from "Easy Listening" broadcasters.

|                              |           |   |
|------------------------------|-----------|---|
| 2342 R. Vlaanderen Int'l     | Sunday    | Tourism in Flanders (travelogue)                          |
| 0115 R. Slovakia Int'l       | Tuesday   | Tourism (tips on visiting Slovakia)                       |
| 0135 Deutsche Welle          | Friday    | Come to Germany (touring Germany)                         |
| 0245 Radio Portugal          | Tuesday   | Visitor's Notebook (aspects of Portugal for tourists)     |
| 0300 Radio Vatican           | Thursday  | Postcards from Rome (interesting Vatican sites)           |
| 0315 Voice of Free China     | Thursday  | Main Roads and Byways (interesting places in Taiwan)      |
| 0315 Voice of Turkey         | Saturday  | Turkish Album (places in Turkey)                          |
| 0430 Swiss Radio Int'l       | Monday    | Rendez-vous (Swiss people and places)                     |
| 0420 China Radio Int'l       | Sunday    | Travel Talk (touring China)                               |
| 2350 Radio Bulgaria          | Tuesday   | Across the Map of Bulgaria (places of interest)           |
| 0110 Radio Budapest          | Wednesday | Travel (touring Hungary) (after 1st Tuesday of month)     |
| 0830 Radio New Zealand Int'l | Thursday  | Travel Pacific (touring the Pacific region) (fortnightly) |

I'd like to separately mention HCJB. Ken MacHarg sent me an e-mail reporting that HCJB's *Travel Latin America* is a weekly look at travel destinations and news from around Latin America and the Caribbean. Each week's feature normally takes a look at one location and fills you in on what to expect if you go there.

*Travel Latin America* is heard most Saturdays (North American timing) during **Studio 9**.

Thanks, as always, to John Figliozzi for compiling this information. This comes from John's *Electronic Edition of the Shortwave RadioGuide*; John now offers comma-delimited fields in an ASCII file that make it relatively easy to import the data into your favorite database manager or worksheet.

## Upcoming Target Topics

Don't forget to get your contributions into me for the following schedule of topics:

August: Sports

September: Education

October: Arts reviews and other cultural programs

Until August,

73 DE Richard



# Shortwave Center

**Hans Johnson**  
7529 Red Cravat Court  
Columbia, MD 21046  
CompuServe: 73042.3644  
Internet: 73042.3644@compuserve.com

*Pennsylvania Adventures-Who says Dxpeditons are just about listening to the radio-read on!*

## A Pictorial Visit to WMLK

by Hans Johnson

While at a Dx-  
pedition to Gifford  
Pinchot State Park  
last fall, Dave Valko  
and I made a roadtrip  
to WMLK in Bethel.  
We arrived unan-  
nounced but were  
shown around all the  
same. If you are trav-  
elling down I-78, I  
urge you to stop in at  
WMLK. After all, its  
right next to the in-  
terstate.



Figure 1 The WMLK Studio

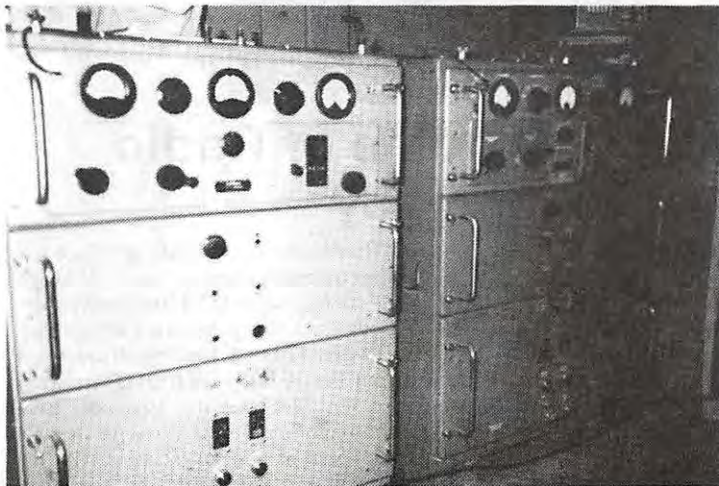


Figure 2 Equipment at  
WMLK

Figure 3 WMLK's Antenna



Figure 4 Proud Visitors Fly the Flag at WMLK



## A visit to the home of Radio Democracy

by Hans Johnson

As you recall, Radio Democracy was a station that broadcast to Haiti during 1994 on 1035 khz and that was easily heard in much of North America. Programming from Haitian exiles was broadcast from aircraft of the Pennsylvania Air National Guard.

After WMLK, our party headed to the Harrisburg International Airport, home to the 193rd

Special Operations Group. Finding the base was easy, but getting on it was impossible. Although we could see four of the EC-130 aircraft parked on the tarmac, we were stopped at the front gate. The best we could do was to talk with a recruiter for the unit. For the history of Radio Democracy and the 193rd SOG, see the September 1994 issue of Monitoring Times. Allow me to share with you some of our conversation with the recruiter with you. The 193rd SOG is a reserve unit, that is, it only has a small cadre of active-

duty (fulltime) personnel. The rest are reservists who train one weekend a month and for a two week block during the year, usually the summer. In times of crisis, a reserve unit will "activate", that is, all the reserve personnel will assume active-duty status. What is so unusual about the 193rd is how often it activates-about 15 to 20 times a year.

(In addition to their spouses, their employers must really love them). With so many activations, there will be plenty of opportunities to hear future operations. The QSL policy is as follows. The 193rd will not comment on current operations, that is, a station they are currently running, so you will have to wait until the operation is over and a particular station is no longer being broadcast. At that point, the unit will QSL reception reports. They can be addressed to: Public Affairs Officer, 193rd SOG, 81 Constellation Court, Middletown, PA 17057-5086. Recordings are accepted but keep in mind that the PAO is a reservist and only is there one weekend a month so you reply may take a little while.



PENNSYLVANIA AIR NATIONAL GUARD  
HEADQUARTERS 193D SPECIAL OPERATIONS GROUP (AFSOG)  
MIDDLETOWN, PENNSYLVANIA

26 October 1994

193 SOG/CC  
81 Constellation Court  
Middletown, PA 17057-5086

Mr. Hans Johnson  
7529 Red Cravat Court  
Columbia MD 21046

Dear Mr. Johnson

We listened with great interest to your recording of Radio Democracy. We can now say that this broadcast was done from our Commando Solo aircraft.

As a token of our appreciation for your effort, we have enclosed a photograph of the aircraft we fly. We have also enclosed an article on Radio Democracy from the September 1994 issue of "Homingbird Times".

Thank you for your interest and support of this project.

E. THOMAS KUHN Jr., Col, FAANG  
Vice Commander

The Voice of the Quiet Professionals of AFSSOC  
Never Seen - Always Heard



# A Hammarlund HQ-180

by Rick Krzemien, N6NVG

I have been an avid shortwave listener for over twenty years. I own several receivers in the pursuit of my hobby, all of them solid-state. These receivers pretty well cover the performance spectrum from my portable SONY SW-1S up to the excellent Japan Radio Company NRD-535D. A recent victim of the "nostalgia craze", I decided to acquire a vacuum-tube receiver. I wanted to see what all the fuss was about, and find out first hand how a top-shelf tubester stacked up against its many cold-blooded counterparts. After some research, I decided to buy a Hammarlund, as I had always admired its



looks, features and modest prices. My friend, Paul Montgomery, N6SFC and I spent a lot of time discussing the various models of Hammarlunds that were manufactured. I wanted something that was much "top of the line" and 1960's vintage, so I decided on an HQ-180 series receiver. The HQ-180 appears to be quite popular as they seem to sell quickly when seen in the various classified ads. I preferred to find one in as good a condition as possible as I'm not that experienced in cosmetic restoration. On the other hand, I felt that I could handle any electrical problems that arose.

The difference between the HQ-180 and the 180A weren't significant enough for me to prefer one over the other. (Table #1). Either one would have been suitable for my use, and I was fortunate to come across an HQ-180 with the match-

ing S-200 speaker in excellent condition from a classified ad in the Journal. The receiver arrived intact a few weeks later and appeared to be in excellent as described by the seller. The dial calibration was off considerably and I spent the good portion of two Saturdays to perform a complete alignment. I am quite satisfied with the results and the receiver sensitivity is very good on all bands.

My next task was to add two options to my completely 'stock' receiver. After contacting Robert Fowle of Amateur Radio Surplus \*\*, I was able to purchase a fixed-frequency crystal oscillator assembly that installs in place of the

24 hour clock/time. (Upper left of receiver in photo). This assembly was normally included in the HQ-180AX version or available as a "field installation" kit with the Hammarlund part #9211-00-00002. There is a front panel rotary switch that allows one to select either the radio's internal VFO or up to 11 crystals frequencies (6 external, 5 internal). The crystals can be used for any frequency between 1.8 and 30 mhz. The other add-on I wanted was the Hammarlund Noise Immunizer (or Noise Silencer as it's sometimes called). This was also available as a "field installa-

tion" kit with Hammarlund part #9208-00-00002. It is essentially an I.F. noise blanker that is wired into the receiver's 455 khz section and is usable on AM or SSB/CW signals. I placed an ad in Electric Radio magazine and also in the Ham Trader Yellow Sheets not expecting any results. I figured that this item was going to be difficult to obtain, as not many receivers had them to begin with and most HQ-180 owners I talked with were unaware that it even existed. As luck would have it, a fellow Electric Radio reader called me within a few days of the ad and sold me a brand new unit still in the box! There is a potentiometer to adjust the blanking threshold of the noise spikes present in the received signal. I am very pleased with the silencer's operation. It removed most of the annoying power line buzz so common on the AM broadcast band.

The HQ-180 receiver was considered Hammarlund's top of the line for consumer type radios through most of the 1960s. (The SP600 and the R390A receivers were intended more for commercial and military use). It covers .54 to 30 mhz in 6 separate bands with a calibrated bandspread for the 80-10 meter ham bands. It employs double conversion up to 7.85 Mhz with 455 and 60 Khz I.F. stages, and triple conversion between 7.85 and 30 Mhz with the addition of one 3035 Khz stage. The selectivity is adjustable between .5 and 6 Khz bandwidth. There is a provision for selecting the lower, upper, or both sidebands of a signal for reception. Other operating features include: 4 position AGC control with off, Slot frequency control (notch) for up to 60dB attenuation of offending heterodynes, vernier passband tuning, 100 Khz crystal calibrator, and a product detector for SSB/CW reception. The receiver incorporates an auto response feature which narrows or widens the frequency response of the audio output circuit according to the incoming signal strength. A strong input signal will have the highest fidelity sound and the audio bandwidth is narrowed as receiving conditions deteriorate, in order to provide the highest signal readability. There is an 18 tube complement (17 in the 180A) including the rectifier and voltage regulator. Antenna connection is by screw terminal or an SO-239 type RF connector. The receiver is contained in a large perforated grey metal cabinet that measures 10.5"H x 19"W x 13"D and weighs 38 lbs.

HQ-180s were produced between 1959 and late 1962 with a last serial number of 6899. It was superseded by HQ-180A production that started with serial number 6900 in 1963 and lasted until 1972.

I want to end this article with a brief comparison of the HQ-180 versus the JRC NRD-535D. The 535 is an excellent receiver with all of the modern operating conveniences that one needs, and I use it as my primary receiver. The HQ-180 on the other hand, has better sound quality, rugged metal construction that is built to last, and a special "Glow in the Dark" appeal to it. It is "timeless" as a classic receiver should be.

**Table 1—Changes to HQ-180A over HQ-180 receiver:**

1. 5U4GB rectifier tube replaced by 2 solid

state rectifier diodes to reduce heat dissipation and improve voltage regulation.

2. A separate filament transformer to power the H.F. oscillator and 1st mixer tube filaments as long as the receiver is plugged into AC power. (Independent of front panel power switch). The idea was to reduce the amount of warm-up drift when the receiver was first turned on.
3. An accessory socket mounted on the back of the chassis for access to receiver AGC, B+, etc. This is useful for adding a 2 or 6 meter converter, or a Q-multiplier.
4. 500 ohm line output for improved phone patch operation in addition to standard 3.2 ohm speaker output.
5. A 3-position BFO switch that selects a fixed BFO for SSB, variable BFO for CW and an "off" position.
6. A systems accessory socket for transmitter/receiver control. Includes VOX anti-tri and relay connections.

**Table 2—HQ-180 Series Receivers**

|           |  |
|-----------|--|
| HQ-180    | Standard model.  |
| HQ-180C   | Includes Telchron 24 hour clock/timer.   |
| HQ-180RC  | Rack-mount version with clock.   |
| HQ-180A   | Standard "A" model.  |
| HQ-180AC  | Includes Telchron 24 hour clock/timer.   |
| HQ-180AR  | Rack-mount version.  |
| HQ-180ARC | Rack-mount with clock.   |
| HQ-180AX  | Includes 11 position fixed frequency crystal oscillator assembly in place of clock. Also available as HQ-180XE for export that included a 115/230 volt, 50/60hz AC power supply. |
| HQ-180AXR | As above with rack-mount.  |

HQ-180 receiver rack-mount was available separately as Hammarlund part #9214-00-00011).

\* Rick Krzemien, 5398 Concerto Circle, Concord, CA 94521-3250. (510) 687-2719. The author welcomes correspondence.

\*\* Robert Fowle, Amateur Radio Surplus, 1215 Winifred, Jackson, MI 49202-1946 (517) 789-6721. (Robert specializes in the sales of Hammarlund N.O.S. and used parts, used receivers).

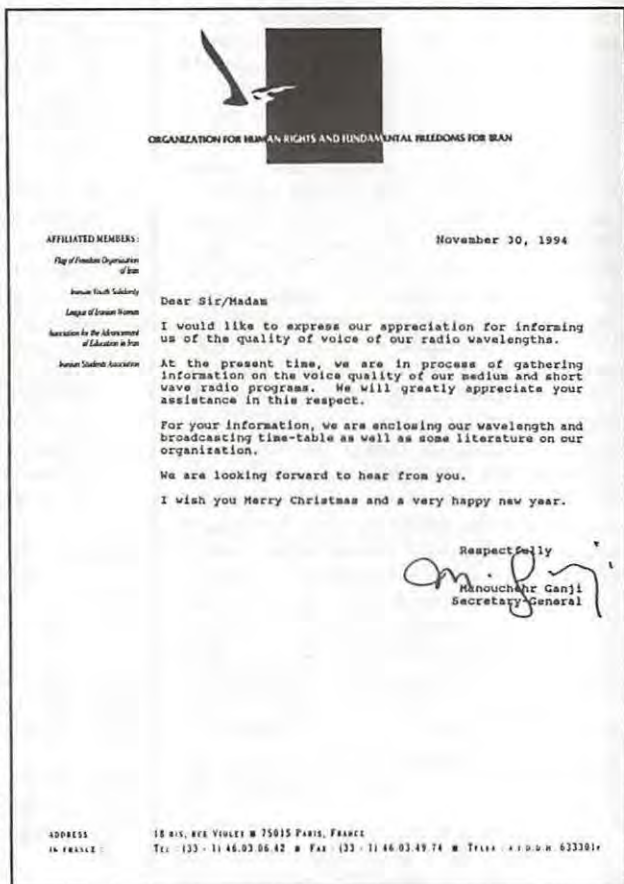
# Who's behind that voice?

by Hans Johnson

NASWA members may be familiar with the Voice of Human Rights and Freedom for Iran but I bet not too many are familiar with the organization behind this station: The organization for human rights and fundamental freedoms in Iran (OHRFI). Thanks to extensive handouts provided by the station sent to Richard "Quake" D'Angelo this story can now be told. The organization has five affiliated members: the Flag of Freedom Organization of Iran, the Iranian Youth Solidarity League of Iranian Women, the Association for the Advancement of Education in Iran and the Iranian Students Association. OHRFI is against the present Islamic regime in Iran and wants a "pluralistic society and parliamentary democracy" in Iran. What role a future shah would play in Iran is not made known by the organization but they do send out an Iranian flag sticker from "Shahist" Iran to listeners. OHRFI divides its activities up into three fields: a) covert operations, b) Radio and TV broadcasts, c) Dissemination of information.

OHRFI's covert operations most dramatically consists of short TV and FM broadcasts made in many Iranian cities over the last five years. By using both large and small balloons, many cities have also been showered with leaflets. The organization also smuggles both film and documentary evidence of Iranian-government human rights abroad.

OHRFI's broadcasts 5.5 hours to Iran a day via "The Voice of Human Rights and Freedom for Iran". You can find their latest schedule in the Listener's Notebook column. Their verification signer is Manouchehr Ganji, Secretary General, and he can be reached 18 bis, rue Violet 75015 Paris, France. Although the station won't say



where it is transmitting from, switching errors over the years have shown that Egypt is one of the sites.

The group also distributes audio and video tapes as well as fax information sheets in Persian, French and English on the current situation in Iran as well as running phone newlines in a number of countries, including the United States. The line in the Washington area starts off with items in Persian after some martial music. The number is (703) 506-8237.

Finally, this group has a lot of money. Some listeners have received as much as 40 French francs (about 8 US dollars) along with their QSLs.



# Listener's Library

T. J. "Skip" Arey WB2GHA  
P.O. Box 644  
Waterford Works, NJ 08089  
America Online: TJAREY  
Internet: TJAREY@AOL.COM

This month our own Jerry Berg check in again with a review of a new book that deserves a read by everyone with an interest in the world of South American political broadcasting.

## **REBEL RADIO**

by Jose Ignacio Lopez Vigil

240 pages

\$19.95 + \$3.50 S/H direct from publisher

MC/Visa orders accepted via toll free

telephone 1-800-253-3605

Available from: Curbstone Press

21 Jackson Street Willimantic, CT 06226

Subtitled "The story of El Salvador's Radio Venceremos," "Rebel Radio" is that story, at least in part. The good news is that the book contains some interesting details about the well-known FMLN wartime shortwave broadcaster which is of interest to the hobbyist. For example, one learns about the station's 50-watt Viking Valiant transmitter and 300 watt onboard amplifier, the 1979 tests from National University, the antennas used, how the station's name was chosen, the move to Morazan province, and the many broadcasts from trenches and caves in the Salvadoran countryside. Occasionally there is a passage that really hits home to SWLs, such as: "We also did good work in Mexico. We even had a PO Box there, 7-907, where we got letters from listeners all over the world, including people who wrote to us from inside the country, since they had no other way to reach us. We announced that box over Venceremos every day. Later on we couldn't keep it because the political situation in the region changed."

The bad news, however, is that the book doesn't offer very much of this kind of information. The war, and not radio, is the book's real focus. It is the story of the events of the war as seen through the eyes of some of those who operated Radio Venceremos. The war's impact on the station, i.e. the moves from one location to another, methods of field reporting, retention of the local support of the population, etc., are well addressed. Basically, however, the book is a rebel view of the war in general, and the sometimes bloody cat-and-mouse game that was played for many

years between the government (the "cuilios") and those associated with Venceremos (the "compas") in particular.

An interesting (if small) part of the book are the six pages of photographs of the Venceremos setup and some of its principal dramatis personae. It looks like a pretty rough-hewn operation. The book's greatest strength is its detailed accounts of some of these personalities: Santiago, the station's longtime anchor man; Apolonio, the Venceremos technician; Commandante Luisa, head of the radio collective; Marvel, a Venezuelan filmmaker who became an important part of the Venceremos operation; Venceremos broadcaster and student activist Evelin ("Butterfly"); Revolutionary People's Army leader Joaquin Villalobos; and others. Some of these are among the names of the station's "personal basico" contained in the veri letter that I received from them in 1982: "Santiago, locutor; Apolo, radio tecnico; Evelyn, locutora," etc. I have to admit that being able to connect the names in a clandestine station's QSL with the faces and true-life experiences behind those names strikes me as a rare treat.

One of the book's major disappointments is the allocation of a mere four pages to the story of the post-war transformation of Radio Venceremos from a clandestine operation to a legitimate FM broadcaster. Surely that must have been one of the most interesting conversions in shortwave history, and an aspect of the story that warrants a closer look. But the book makes no pretense to comprehensiveness, and so perhaps its cursory treatment of this point can be forgiven.

Because the book is more about the ins and outs of the war than the details of the station's operation, I found it slow going. There is a note that a movie on the Venceremos story is forthcoming, and perhaps it will provide the story with a little fillip. In any event, "Rebel Radio" is a useful addition to the available information on this widely-heard station that played an important role in El Salvador's political history.

Thanks again for the review Jerry. Always happy to get your input. Read any good books lately? Why not jot down a few words and let folks here

in the club know what you think. All submissions to Listener's Library are greatly appreciated.

A few Kulpville get together back, Rich Arland K7YHA gave a workshop on Radio Listening "in the field." Since Summer is just around the corner and folks are beginning to think about taking the hobby on the road, I came up with a book that might be useful to folks who are into taking the shortwave hobby along with them.

### **RV ELECTRICAL SYSTEMS**

*A Guide to Troubleshooting,  
Repair and Improvement*  
by Bill and Jan Moeller

265 Pages

\$19.95

Ragged Mountain Press  
Camden, Maine  
ISBN 0-07-042778-X

The quest for portable power has always been a subject of discussion amongst folks who like to travel with the radio hobby. Grant it, low power equipment makes consumption curves fairly manageable, but in recent years the amount of equipment folks consider "essential" to the monitoring experience has grown (multiple rigs, accessories, computers, etc.). All those milliamps add up to a drained battery or two. If you are into "heavy camping" (translated as "can't hit the road without the microwave oven") your hobby has to compete with the other necessities of life for that mobile power source.

Bill and Jan Moeller know the subject well. They have depended on their knowledge of portable power for over twenty years. These folks live full-time in a fifth-wheel trailer, traveling around and writing about the subject of RV living. In other words, if the lights go out in their RV they can't head for home, they are home! This knowledge is shared in a readable and instructive form in *RV Electrical Systems*.

The book begins with the basics of electricity followed by extensive chapters on 12 volt DC and 120 volt AC mobile power systems theory. Each subject is explained in detail with practical examples and information on manufacturers and resources. Through this book you learn to take complete control of your portable power systems to assure you always have the juice to get the job done.

The chapter on Solar Power gives an in-depth study of how to use photovoltaic panels to generate more than enough electricity for most radio hobby applications. Personally, I am developing the information culled from this

chapter into a solar power system for my Heathkit HW-8 QRP transceiver. I look forward to entering some contests armed with a "solar powered" point multiplier.

Bill and Jan Moeller show that portable power management involves more than just monitoring an Amp/Hour meter. With a little thought, you can pack enough power to meet all your needs and still get the car started without jumper cables. The cost of a jump start is probably more than the cover price of this book. Knowledge isn't just power, it can save you money too.

### **SHORTWAVE SIDELINES**

Don Schimmel is a fellow radio hobby journalist. He has written for *Monitoring Times*, he currently writes the "Communications Confidential" column in *Popular Communications*. He is also a member in good standing of that notorious group of radio hobbyists known as "The Scanner Scum." His expertise in the area of "questionable" radio communications is shared through the latest edition of his book.

### **THE UNDERGROUND FREQUENCY GUIDE**

*A Directory of Unusual, Illegal and Covert  
Radio Communications*  
3rd Edition

By Donald W. Schimmel  
209 Pages

\$14.95

HighText Publications Inc.  
PO Box 1489  
Solana Beach, CA 92075  
ISBN 1-878707-17-5

In between all of the "legitimate" shortwave broadcast signals that we listen to are hundreds of signals that just don't make sense. I think every SWL has pondered those ubiquitous "numbers stations" at one time or another. Is there a currently active ham who has not run across the communications of a few drug runners? And how many times has your enjoyment of a particular shortwave broadcast been interfered with by a series of chirps, gurgles, foghorns or water drippers? Don is a renowned expert in the radio hobby's various intrigues. This third edition includes the actual transmitter locations for many numbers stations, a description of the Cuban embassy radio network and information concerning a network possibly run by the Soviet embassy in Washington, D.C. These new tidbits are included along with Don's latest list of hundreds of interesting shortwave frequencies. This book is an essential tool for anyone who likes to listen in on those stations that are not likely to publish their QSL information.

## THE SONY ICF-SW100S PORTABLE RECEIVER

The Sony ICF-SW100 is an updated version of the micro-miniature SW1 which was first introduced in approximately 1991. The SW100 adds finer tuning steps, SSB reception and selectable sideband synchronous detection - all of which are worthy improvements. The SW100 is, to the best of my knowledge, the smallest "serious" portable receiver currently made, as well as one of the most innovative. This radio is small - with the clam shell case closed, it is just about the size of a standard audio cassette case. The actual dimensions are 4 7/8 x 15/16 x 2 7/8 inches (WxHxD). In use, an approximately 4 1/2 x 2 inch panel flips up (like a laptop computer) to a forty-five degree angle. This action reveals the keypad and most other controls and the flip-up panel contains the lighted LCD display and a 1 5/8 inch speaker.

The SW100 is available in two versions, although only the "S" version is readily available in the United States. The "S" version includes, in addition to the radio itself, an AC power adapter, an active antenna module, stereo "earbud" headphones and a leatherette case for the receiver. Unlike the SW1, there is not a plastic case for the entire system. The "E" version consists of the radio, stereo headphones and a "reel type" external antenna. Street price for the SW100S in the United States is in the \$350 range.

### A REAL RADIO

The SW100 has uninterrupted coverage from 150 to 29,999 kHz for AM/SSB reception and 76 to 108 MHz for FM reception. However, medium wave coverage only

extends from 530 to 1620 kHz, so for reception of the extended MW band in the U.S., the SW band has to be used. This is not a major problem, unless one is using the scan function on the upper end of the medium wave band. The basic receiver design is the now standard dual conversion type, with up conversion to a high (55.485 MHz) first IF and a 455 kHz second intermediate frequency. Tuning is via a keypad for direct frequency entry, scanning within pre-defined meter band segments or via up-down slewing buttons. Tuning steps are one or five kHz in AM or sync modes and 1 or 0.1 kHz in SSB mode.

### FIFTY MEMORIES

There are also fifty memory channels available for both AM and FM stations. The memory channels are organized into ten "pages" with five memory channels per page. Each page can be labeled with a six character alphanumeric title which is entered via the "Label Edit" function key. Once set up, the memory pages are selected by the "Page Feed" key and individual channels within the page are selected by pressing keys 1 - 5 of the numeric keypad. This is a very practical way to set up memory channels, as it not only serves as a reminder of what's stored in memory, but it allows for storing parallel frequencies for favorite broadcasters and quickly checking for the best frequency at the particular listening time. Memory channels 1 and 2 of page zero are used in conjunction with the timer for "standby" reception. The "ON" time for the standby function can be set according to local time, but there is no provision for setting an "OFF" time. Instead, the radio automatically shuts

off sixty minutes after turning itself on. Similarly, there is a "Sleep" timer function, which shuts the radio off automatically, but the only interval is sixty minutes, unlike some other radios which permit a selection of various intervals.

## WORLD TIME CLOCK

The SW100 includes a very deluxe clock feature. By using the tuning buttons the current time in any of the world's 24 time zones can be displayed. In this mode, not only is the time for the selected zone displayed, but the name of a major city in that zone is also displayed. These city names can be changed with the use of the "Label Edit" mode, i.e. instead of "L. A." being displayed when the UTC-7 (Pacific time zone) time is selected, I edited the display to read "RENO". The clock time is set based on local time and this is important for two reasons: one, the standby timer is based on local time and secondly, the tuning step for the MW band (9 or 10 kHz) is selected based on what world region is selected for the local time. This is important to remember if the SW100 owner is traveling overseas. The only mistake that Sony made in the clock design is that the clock display can only be brought up if the radio is turned off - it would certainly be nice to be able to check the time while listening to a program. I really can't imagine that it would be that difficult to have programmed a key sequence to call up the clock display for, say, five seconds while the radio is on.

## FEATURES

The SW100S requires 3 volts DC for power - either from two "AA" cells or from the power supply included in the "S" package. The input connector for external power is a microminature coaxial plug type which I have not seen before - not readily available at Radio Shack. I guess this is a good reason for buying the "S" package! The specification page states that a set of alkaline batteries will last for 23 hours in FM mode and 18 hours in AM mode when the radio is used for four hours a day at normal volume. The SW100 has jacks for a stereo headset, line out for connection to a tape recorder (but no jack to turn a recorder on or off with the

timer) and an external antenna jack. There is also a 26" inch whip antenna on the radio itself. The external antenna jack is designed to be used with the AN-100 external active antenna, so 3 volts is present on the jack. If a passive antenna or a non-Sony active antenna is used, it should be coupled to the whip antenna of the SW100 or a DC blocking capacitor could be used in series with antenna lead. According to the instruction manual, the separately available Sony active antennas, the AN-1 and the AN-102, can be connected directly to the SW100's external antenna jack.

There is a small thumbwheel volume control on the right-hand side of the set, along with a tone switch for "Music" or "News". In the "News" position the treble response of the set is rolled off. On the left-hand side of the radio is an attenuator switch as well as a slide switch for master power. There is a separate push-button on-off switch on the control panel as well. The LCD display is very nicely back-lit and all screen information is easily visible in the dark, although the keypad isn't. The back lighting is always on when the external power supply is plugged in (unless the master power switch is off) and when on battery power, the screen is illuminated for approximately 15 seconds when the "Light" button is pressed.

The AN-100 active antenna module included in the "S" package is housed in a plastic case which is the same size as the SW100. It has a 26" inch whip antenna and 12 feet of cable to allow for placement of the antenna in a window. A suction cup with a loop of nylon cord is included to stabilize the antenna when it is stood on a window sill. The cable is stored on a reel within the active antenna case. As previously mentioned, the AN-100 antenna is powered by the radio and requires no batteries of its own. The only control on the antenna is a four position switch which controls a bandpass filter, either wideband, 0.15 - 5.5 MHz, 5.5 - 11 MHz or 11 - 30 MHz. Switching the filter to a range different from that tuned by the SW100 does result in attenuation of the signal, so the switch is more than just cosmetic.

## PERFORMANCE

Although the SW100 is diminutive in size, it is certainly not a midget in performance. The audio quality is much better than one would expect from such a tiny speaker, and is even better when headphones are used. I had the initial impression that the unit was somewhat insensitive, even with the included active antenna; however, I had the opportunity to compare it with a Grundig Yacht Boy 400, and the Sony was its equal at all frequencies above 6 MHz. On the 60 meter band the Grundig was noticeably more sensitive than the Sony. The selectivity of the single IF filter is approximately 7 kHz, which is a reasonable value for a portable radio. Adjacent channel selectivity is greatly enhanced by the synchronous detector, which permits selection of the sideband away from a strong adjacent signal. The lock range of the detector is  $\pm 1$  kHz, which allows for "sliding" the filter's passband for greater treble response. When using the active antenna, I did notice some spurious signals from the MW band when listening to ham stations on 80 meters. This was not a problem when using just the set's built-in whip antenna.

## SUMMARY

This is not just a "novelty" radio - it is a real performer for those who want the smallest possible travel radio. Its portability is somewhat compromised by the need to carry the indentionally sized active antenna,

although the SW100 works well with its built-in whip for strong international broadcasters. I would not recommend it for those who want a single radio for both home and portable use, as slightly larger receivers offer better sound and at least equal, if not better, performance at a lower price.

There are a few further refinements I would like to see in the SW100. The first of these would be the ability to call up the clock display when the radio is playing. This is a design fault that is shared by other Sony models, such as the ICF-SW7600G. The other change that I would like to see made is the ability to have the headphone cable serve as an antenna, which I understand is the case with some of Sony's Walkman products. Such a feature would be useful because the SW100 will operate with the case closed. With some type of flexible antenna, the SW100 could be a true "shirt pocket" shortwave radio. Without a flexible antenna, the user ends up with two feet of whip antenna poking out of his pocket.

Overall, however, the SW100 is a well-thought out receiver and certainly it is the outstanding performer in its size class. The ability to assign labels to the memory pages is certainly a convenient feature to have when traveling. The sync detector is a very useful addition, especially since the SW100 has only a single bandwidth filter. I would like to thank Universal Radio for providing the review receiver.

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**FOR SALE:** Sangean ATS-803A receiver, barely used, in box with manuals, \$115.00. Sangean ATS-818CS receiver/cassette recorder, barely used, in box with manuals, \$180.00. Sony ICF-2010 receiver in fair condition, \$225.00. MFJ-986 3kW antenna tuner, mint (used only three hours), manual, but no box, \$190.00. Drake TR-3 transceiver, good condition, with D-104 mic and spare tubes, \$240.00. **WANTED:** Drake R-8 or SW-8. Andrew Yoder, P.O. Box 109, Blue Ridge Summit, PA 17214.

**FOR SALE:** Grundig Satellit 700 receiver in excellent condition. Comes with original manuals, packaging, etc. Purchased new in May 1995. Price \$329.00. Christopher R. Downie, P.O. Box 274, Johnstown, PA 15907. Phone (814) 255-4502.

**FOR SALE:** Grundig 500 portable in excellent condition with original box, manuals, VHS instructional tape, and Gilfer carry bag. All for \$225.00. Bearcat 20/20 with 40 direct access programmable memory, low, high, UHF, air, marine, 2-meter and box-lit-car mount, \$80.00. Luther Hall, 6160 Hazelwood Ave., Indianapolis, IN 46208. Phone (317) 253-5686

## Receivers—What's Best? Part 2

This month we continue our survey of receiver ratings to attempt to determine which radios present the best value for the SWL. If you did not read the June issue of the Journal, I would suggest that you drag out your copy and review the methodology used to calculate Buch's Bang For the Buck (BFB) index. That article also contains the information on where you can find additional review material on these receivers and others.

Table 2 shows the BFB ratings for a number of "porta-top" and table top receivers. All performance ratings have been normalized to a scale from zero to 100 going from worst to best. This normalization permits the results of the different reviewers to be averaged. The BFB index was then calculated using the formula given in Part 1.

These performance ratings have been determined by the BBC, Radio Netherlands (RN), World Radio and TV Handbook (WRTH) and Passport To World Band Radio (PWBR). If you disagree with the performance ratings, write to them, not to NASWA.

Also, if you can find the radios listed at lower prices, you can recalculate the BFB index to account for the lower prices using the formula given in the June issue. Remember that the BFB index should be used only as a guide and that you should consult the original reviews before making any purchase. Their overall ratings may be based on performance parameters that are not relevant to your personal listening situation.

I hope this article fills a need expressed in many letters from our members over the past months. Remember that as new receivers and accessories are released, our own Alan Johnson will review them here in the Journal. If there are some receivers or devices you would like him to review, you can drop him a note at his new Reno, Nevada address. See the masthead on his column.

References: Some aspects of the performance which caused a high or low overall rating might not be important to you. The following publications should be consulted for their full reviews before making a purchase decision:

1995 Passport To World Band Radio and the 1995 World Radio and TV Handbook (available at large book stores and dealers catering to the SWL market. See advertisements for two of the best dealers elsewhere in this issue of the Journal.);

Radio Netherlands Receiver Shopping List, December 1993, (Available free by writing to Radio Netherlands); and,

BBC Worldwide's Worldband Radio Buyers Guide Supplement distributed with the December 1994 issue of BBC Worldwide. (BBC Worldwide is available by subscription from the BBC or individual issues can be purchased at Barnes & Noble Book Stores in the USA.)

That's it for this month. I hope the Summer static isn't too bad. Be patient, Fall will be here soon. Until next time, stay tuned.

| Manufacturer | Model # | BBC | RN  | WRTH | PWBR | Avg  | Price | BFB Index |
|--------------|---------|-----|-----|------|------|------|-------|-----------|
| Drake        | SW-8    | 100 | 80  | 60   | 80   | 80   | 600   | 83        |
| Yaesu        | FRG-100 | 80  | 80  | 100  | 80   | 86.7 | 670   | 84        |
| Lowe         | HF-150  | 100 | 80  | 100  | 80   | 90   | 800   | 75        |
| AOR          | AR3030  | 90  | 80  | 80   | 80   | 83.3 | 800   | 67        |
| Lowe         | HF-225  | 90  | 80  | 100  | 80   | 87.5 | 840   | 68        |
| Icom         | R-72E   | 80  | 60  | 80   | 80   | 73.3 | 900   | 48        |
| Drake        | R8      | 80  | 80  | 80   | 100  | 85   | 980   | 56        |
| Kenwood      | R-5000  | 80  | 100 | 100  | 90   | 92.5 | 1210  | 52        |
| JRC          | NRD-535 | 100 | 100 | 100  | 90   | 97.5 | 1430  | 47        |
| Icom         | R-71A   | 80  | 80  | 100  | 80   | 86.7 | 1620  | 35        |
| Icom         | R-9000  | 80  | 100 | 80   | 90   | 90   | 6390  | 09        |

Table 2: Calculation of the BFB index for some SW table radios.

## Hardware Bits

by Alan Johnson

**TEN-TEC KITS**—This respected amateur radio equipment manufacturer has recently introduced a line of kit receivers and accessories. Prices appear to be very reasonable - \$49 for a general coverage regenerative receiver which includes a cabinet and internal speaker. To request a catalog, call (615) 453-7172/FAX (615) 428-4483 or write Ten-Tec Kit, 1185 Dolly Parton Pkwy, Sevierville, TN 37862.

**COLLINS PROPAGATION SOFTWARE**—George Zeller recently wrote to alert me to a new propagation prediction program. The program is the "PropMan" Propagation Resource Manager software for PC compatibles. From George's description, it looks to be a very capable program and the price is less than \$50. Contact Collins Avionics and Communications Division, PropMan Department 120-130, 350 Collins Road NE, Cedar Rapids, IA 52498 or call (800) 321-2223.

**MFJ DIGITAL CLOCK**—MFJ Enterprises has announced the availability of their MFJ-114 Digital Clock. The noteworthy feature of this new clock is that its red LED digits are 2.3 inches high. The overall clock measures 13 x 6 x 1 inches in a black case with an adjustable viewing angle. The clock uses 120 volts AC and has battery backup. It costs \$39.95 and is available from MFJ Enterprises, P.O. Box 494, Mississippi State, MS 39762 or call (800) 647-1800 to order or (601) 323-5869 for more information.

**PALOMAR ENGINEERS' MAGNETIC SWITCH BALUN**—I received a press notice concerning this new product from Palomar. It consists of the MSB-3 balun and a control box. The control box sits by your radio and is powered by 115 volts AC. Coaxial cable connects the control unit to the balun and carries the control voltage as well as the radio signal. The balun is to be connected in the middle of a "bent" dipole, i.e. one leg of the dipole is at right angles to the other, either in the vertical or horizontal plane. The control box allows for selection of either dipole leg or both. This allows for some control over antenna directivity. The price is \$135 plus \$6 shipping and handling and does not include antenna wire, insulators or coaxial cable. Palomar Engineers, P.O. Box 462222, Escondido, CA 92029; (619) 747-3343/FAX (619) 747-3346.

**WHEN IS AN ANTENNA TOO LONG?**—With the recent advent of warm weather here, I was able to finally get up a decent antenna. Within the constraints of my lot dimensions and available trees for support, I decided that a random wire in an inverted "L" configuration would be the easiest design to put up and provide the shortest feed-line run. I was able to put up about 200 feet of wire. Imagine my surprise when local MW stations appeared all the SW spectrum once the antenna was up. These spurious signals disappeared if I engaged the receiver's antenna attenuator, so I assume they were due to front-end overload. Two hundred feet of wire is a resonant quarter wavelength at 1170 kHz, so, if my reasoning is correct, the optimal length for a random wire would be 130 feet (a quarter-wavelength at 1.8 MHz) or less.

# Listener's Notebook

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**A SURPRISINGLY FULL PLATE** for July, a month in which we usually see only dribs and drabs of so-so info. Thanks to the gnomes at BBCM, who spent spring chained to their listening posts in order to bring us much of the data to follow. And, as ever, thanks to all you other generous gnomes who voluntarily shared your DX secrets with us.

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**ALBANIA** The following *Radio Tirana* schedule has been compiled entirely from monitoring observations. All frequencies are subject to variation by up to 5 kHz.

|           |          |                |
|-----------|----------|----------------|
| 0000-0500 | Albanian | 7270 6120 5985 |
| 0145-0200 | English  | 7160 6145      |
| 0230-0300 | English  | 7160 6145      |
| 0630-0930 | Albanian | 7150 1395      |
| 1300-1330 | Albanian | 7270 6230      |
| 1400-1700 | Albanian | 7270 5985      |
| 1600-1615 | English  | 9760 7155      |
| 1730-1800 | French   | 9730 7260      |
| 1730-1745 | Greek    | 7170 5985      |
| 1745-1800 | Turkish  | 7170 5985      |
| 1800-1830 | German   | 9730 7260      |
| 1800-1830 | Italian  | 7170 5985      |
| 1830-1900 | English  | 9730 7260      |
| 1830-1845 | Serbian  | 6080           |
| 1900-2200 | Albanian | 9725 6170      |
| 2300-2400 | Albanian | 7270 6120 5985 |

(BBCM)

**BANGLADESH** *Radio Bangladesh* sked:

|           |          |                 |
|-----------|----------|-----------------|
| 1230-1300 | English  | 9650 7185 7105  |
| 1315-1345 | Nepalese | 9650 7185 4880  |
| 1400-1430 | Urdu     | 9650 7185       |
| 1515-1545 | Hindi    | 9650 7185       |
| 1600-1630 | Arabic   | 13615 9650      |
| 1630-1730 | Bengali  | 13615 9650      |
| 1745-1815 | English* | 15520 9560 7190 |
| 1815-1900 | English  | 15520 9560 7190 |
| 1915-2000 | Bengali  | 15520 9650 7190 |

\* *Voice of Islam* (BBCM)

**BOLIVIA** *Radio Emisoras Villamontes* 4599.34 noted 1026-1039 w/program "Amanecer Chuqueno." (Takayuki Inoue Nozaki/Relampago DX)

**BOSNIA-HERCEGOVINA** *Radio Bosnia-Hercegovina*, the Sarajevo-based station operated by the Bosnian government, has recently been making changes to its shortwave relay. On 27th May it was heard on 7105 kHz from a new AM transmitter. Prior to that date it had been operating off channel, on

around 7108.1 kHz (variable), from a transmitter radiating in USB plus carrier mode. The station continued to be heard on 7105 kHz until 1200 on 30th May, when it was observed to have reverted to 7108 kHz USB. However, by the morning of 31st May it was back on 7105 kHz. It may be noted that the frequency of 7105 kHz is currently used for broadcasts in Serbo-Croat by *Deutsche Welle* at 0645-0820. (BBCM)

**BULGARIA** *Radio Bulgaria* latest:

|           |             |                       |
|-----------|-------------|-----------------------|
| 0000-0030 | Bulgarian   | 11720 11660 9700 9415 |
| 0030-0100 | Bulgarian   | 11660 9415            |
| 0100-0200 | Spanish     | 11815 11660 9415      |
| 0200-0300 | Bulgarian   | 7265 5905             |
| 0215-0300 | Turkish     | 7115 5890 Mo-Fr       |
| 0300-0400 | French      | 11720 9700            |
| 0400-0430 | Greek       | 7115 5890 Su-Fr       |
| 0400-0500 | Greek       | 7115 5890 Su          |
| 0400-0500 | English     | 11720 9700            |
| 0430-0500 | Albanian    | 7115 5890             |
| 0500-0600 | Serbo-Croat | 7115 5890 Mo-Fr       |
| 0500-0630 | Turkish     | 7115 6000 Sa-Su       |
| 0500-0545 | German      | 11720 9700            |
| 0600-0700 | French      | 11635 9700            |
| 0630-0900 | Serbo-Croat | 5890 Su               |
| 0630-0730 | Albanian    | 5890 Sa               |
| 0730-0900 | Serbo-Croat | 5890 Sa               |
| 0800-0900 | Greek       | 7115 6000 Su          |
| 1000-1100 | German      | 15185 11860           |
| 1130-1230 | English     | 17625 15635           |
| 1200-1500 | Bulgarian   | 9700 6100             |
| 1400-1500 | Russian     | 9775 7125             |
| 1500-1600 | Bulgarian   | 15635 11660           |
| 1500-1800 | Bulgarian   | 9775 7125             |
| 1500-1545 | Serbo-Croat | 6100 5890             |
| 1545-1630 | Albanian    | 6100 5890             |
| 1600-1645 | Arabic      | 11660 9440            |
| 1615-1700 | German      | 11720 9700            |
| 1630-1715 | Greek       | 6100 5890             |
| 1700-2000 | Bulgarian   | 9850                  |
| 1700-1800 | French      | 11720 9700            |
| 1715-1800 | Serbo-Croat | 7135 6100             |

|  |             |  |           |            |                                  |
|--|-------------|--|-----------|------------|----------------------------------|
| 1715-1800  | Turkish     | 7355 5890  | 1100-1200 | Cantonese  | 15260 15205 12015 11945          |
| 1800-1900  | Bulgarian   | 6100 5890  | 1100-1130 | Esperanto  | 9480 6955                        |
| 1800-1900  | German      | 11720 9700   | 1100-1300 | Korean     | 5965                             |
| 1800-1900  | Russian     | 9775 7125  | 1100-1200 | Mongolian  | 5850 5145                        |
| 1900-1945  | Albanian    | 6100 5890  | 1100-1200 | Russian    | 7820 7110 6140                   |
| 1900-2000  | English     | 11720 9700   | 1100-1200 | Vietnamese | 9945 9550                        |
| 1915-2015  | Spanish     | 11660 9670   | 1130-1200 | Burmese    | 11780 9880 6550                  |
| 1945-2030  | Greek       | 6100 5890  | 1130-1200 | Tagalog/EE | 15135 11445 6995                 |
| 2000-2100  | French      | 11720 9700   | 1130-1230 | Thai       | 7350 6590                        |
| 2000-2045  | Italian     | 9850 7355  | 1200-1300 | Cambodian  | 11780 9440 6550                  |
| 2015-2100  | Arabic      | 13625 11660  | 1200-1300 | Chinese    | 15260 15205 12015 11945          |
| 2030-2115  | Serbo-Croat | 6100 5890  | 1200-1300 | English    | 15440 11795 11660 9715 9655 8425 |
| 2100-2200  | English     | 11720 9700   | 1200-1300 | Mongolian  | 5850 5145 4883 4815              |
| 2100-2200  | Spanish     | 13625 11660  | 1200-1230 | Tagalog/EE | 15135 12110 11445 8660           |
| 2115-2200  | Italian     | 6100   | 1200-1300 | Vietnamese | 9945 9550                        |
| 2300-2400  | English     | 11720 9700   | 1230-1330 | Laotian    | 7350 6590                        |
| 2300-2400  | Spanish     | 11660 9415   | 1230-1330 | Malay      | 15135 11445 8660                 |
| (BBCM)   |             |  | 1300-1330 | Burmese    | 9880 6550                        |
| <b>CANADA</b> 6029.96 <i>CFVP</i> 1202 in the clear after R. Marti sign-off at 1200. Fading fast and in the dirt by 1225. Note how they are a bit lower than nominal 6030. (11June/Johnson/Jihad DX) |             |  | 1300-1400 | Chinese    | 15260 15205 12015 11945          |
| <b>CHINA</b> <i>China Radio International</i> full sked, including relays  |             |  | 1300-1400 | English    | 15440 11660 9715 7405            |
| 0000-0100  | English     | 11715 9710   | 1300-1330 | Esperanto  | 11840 11600                      |
| 0000-0030  | Hakka       | 15400 12015 11685 9440 6140                        | 1300-1500 | Korean     | 5965                             |
| 0000-0100  | Russian     | 4883 4815  | 1300-1400 | Russian    | 7820 6140 5850 5145 4883 4815    |
| 0000-0100  | Spanish     | 11445 9945 9370                                    | 1300-1400 | Vietnamese | 9945 9550                        |
| 0030-0100  | Chaoyzhou   | 15400 12015 11685 9440 6140                        | 1330-1400 | Burmese    | 9880 6550                        |
| 0030-0100  | Portuguese  | 12055 11500  | 1330-1430 | Indonesian | 15135 11445 8660 6995            |
| 0100-0200  | Cantonese   | 12055  | 1330-1430 | Thai       | 7350 6590                        |
| 0100-0200  | Spanish     | 17755B 13685G 11650 9945                           | 1400-1500 | Amoy       | 15260 15205 12015                |
| 0200-0300  | Chinese     | 15435 12055  | 1400-1500 | Cambodian  | 9440 6550                        |
| 0200-0300  | Spanish     | 17775B 11650 9945 9690E 9370                       | 1400-1500 | English    | 11815 7405                       |
| 0300-0400  | Chinese     | 9730G  | 1400-1500 | Mongolian  | 5850 5145 4883 4815              |
| 0300-0400  | English     | 11715 9710 9690E                                   | 1400-1430 | Sinhalese  | 11780 11600                      |
| 0300-0400  | Spanish     | 15445B   | 1400-1430 | Tamil      | 11575 9457v                      |
| 0300-0400  | Russian     | 15435 11755 11515                                  | 1400-1430 | Turkish    | 9480 6955                        |
| 0400-0500  | English     | 11680 9730G  | 1400-1500 | Vietnamese | 9945 9550                        |
| 0500-0600  | English     | 9595C  | 1430-1530 | Laotian    | 7350 6590 6010                   |
| 0830-0930  | Indonesian  | 17680 15600 15135 6995                             | 1430-1500 | Sinhalese  | 11780 11600                      |
| 0900-1000  | Chinese     | 15205 15180 15100 12015 11945 11695 9945 9480 6590 | 1430-1500 | Tagalog/EE | 15135 11445 8660                 |
| 0900-1000  | English     | 15440 11755  | 1430-1500 | Tamil      | 11575 9457                       |
| 0930-1530  | Japanese    | 9855 7190  | 1500-1530 | Bengali    | 11600 6995                       |
| 0930-1030  | Malay       | 17680 15135 6995                                   | 1500-1600 | Chinese    | 11910 9457v 6550                 |
| 1000-1100  | Cantonese   | 15100 9945   | 1500-1600 | English    | 11815                            |
| 1000-1100  | Chinese     | 15205 12015 11945 6590                             | 1500-1600 | Hindi      | 11675 9920 7590                  |
| 1000-1100  | English     | 15440 11755  | 1500-1530 | Nepalese   | 11445 9625 6590                  |
| 1000-1100  | Russian     | 11980 7820 7110 6140 5145                          | 1500-1530 | Pashto     | 11575 9700                       |
| 1030-1130  | Cambodian   | 11780 9440 6550                                    | 1500-1530 | Persian    | 9440 6955                        |
| 1030-1130  | Indonesian  | 15135 11455 6995                                   | 1500-1600 | Russian    | 11650 7375 5145 4883 4815        |
|  |             |  | 1500-1600 | Vietnamese | 9945 9550                        |
|  |             |  | 1530-1600 | Bengali    | 6995                             |
|  |             |  | 1530-1600 | Nepalese   | 11445 9625 6590                  |
|  |             |  | 1530-1600 | Pashto     | 11575 9700                       |
|  |             |  | 1600-1700 | Arabic     | 15540 9440                       |



|           |            |                  |
|-----------|------------|------------------|
| 1300-1400 | Cantonese  | 15345 11915      |
| 1300-1400 | Japanese   | 11745 7130       |
| 1400-1500 | Amoy       | 11745 7130       |
| 1400-1500 | Hakka      | 15345 11915      |
| 1500-1600 | Thai       | 9610 7130        |
| 1500-1600 | Vietnamese | 15345 11915      |
| 1705-1805 | Russian    | 9955             |
| 1900-2000 | Chinese    | 21720 17750 9955 |
| 1900-2000 | German     | 9610             |
| 2000-2100 | Arabic     | 15270 9955       |
| 2000-2100 | French     | 21720 17750 9610 |
| 2100-2200 | German     | 21720 17750      |
| 2100-2200 | Spanish    | 15270            |
| 2200-2300 | English    | 21720 17750      |
| 2200-2300 | Thai       | 15345 7445       |
| 2300-2400 | Spanish    | 17805 15130      |

(BBCM)

**CIS Voice of Russia**, the Moscow-based external service station, has resumed broadcasting in Swedish. Broadcasting in Swedish and seven other languages ceased on 5th April. (BBCM)

Earlier this year, **Voice of Vietnam** broadcasts were being relayed via a transmitter near Armavir, to the northeast of the Black Sea (in English at 0400-0600 on 5940 kHz and in Spanish at 0600-0700 on 7400; in Vietnamese at 0700-0800 on 7270 kHz. **VOV** has expanded its use of Russian relays. The station is now announcing that it broadcasts half-hour programs in English at 0100, 0130, 0200, 0230, 1000, 1100, 1230, 1330, 1600, 1800, 1900, 2030 and 2330 on 15010, 9840 and 7250 kHz. Observations on 7250 kHz have confirmed the English broadcasts at 0100-0230, which appear to replace the transmissions at 0400-0600 and are assumed to be beamed to North America. At 0230 on 7250 kHz there is a **Voice of Vietnam** broadcast in Spanish, not English. These transmissions at 0100-0300 on 7250 kHz are believed to emanate from a transmitter in Russia. This transmitter closes at 0300, but what may well be the same transmitter is then heard on 7260 kHz at 0300-0400 with a **Voice of Vietnam** broadcast in Spanish. The nine transmissions announced for later in the day (1000-2330) are all existing **Voice of Vietnam** broadcasts in English. However, in the past they were all only broadcast from transmitters in Vietnam. (BBCM)

#### **Voice of Armenia**

|           |          |                       |
|-----------|----------|-----------------------|
| 0800-0830 | French   | 15270 15170 Su        |
| 0830-0900 | English  | 15270 15170 Su        |
| 1500-1530 | Azeri    | 11960 7480 4810 Mo-Fr |
| 1530-1600 | Georgian | 11960 9675 7480 4810  |
| 1600-1630 | Kurdish  | 11960 7480 4810       |
| 1630-1700 | Persian  | 11960 9675 7480 4810  |
| 1700-1730 | Russian  | 11960 9675 7480 4810  |
| 1730-1745 | Turkish  | 11960 9675 7480 4810  |
|           |          | Mo-Fr                 |
| 1730-1800 | Turkish  | 11960 9675 7480 4810  |
|           |          | Sa-Su                 |
| 1745-1800 | English  | 11960 9675 7480 4810  |
|           |          | Mo-Fr                 |
| 1800-1900 | Armenian | 11960 9675 7480 4810  |

|           |          |                      |
|-----------|----------|----------------------|
| 1900-2000 | Arabic   | 11960 9675 7480 4810 |
| 2000-2030 | French   | 11920                |
| 2000-2200 | Armenian | 11960 9675 7480 4810 |
| 2030-2100 | English  | 11920                |

(BBCM)

**Radiostantsiya Belarus** broadcasts in German and English consist of various religious programs including **"Die Antwort"** (Postfach 767, CH-1701 Freiburg, Switzerland) and **"Radiofenster"** in German, and **"Bible Focus"** (PO Box 205, Doncaster, DN10 6LZ, UK) in English. Some frequencies may be relayed from transmitters in Russia and Ukraine.

|           |             |                                |
|-----------|-------------|--------------------------------|
| 1800-1900 | Belarussian | 11960 11840 7210<br>5905 Th-Fr |
| 1830-1900 | German      | 11960 11840 7210<br>5905 Su    |
| 1830-1900 | English     | 11960 11840 7210<br>5905 Tu    |
| 1830-1900 | German      | 11840 7210 5905 We/<br>Su      |
| 1845-1900 | Polish      | 11960 11840 7210<br>5905 Mo    |

(BBCM)

#### Sked for **Radio Moldova International**:

|           |          |       |
|-----------|----------|-------|
| 0030-0100 | Romanian | 9540  |
| 0100-0125 | English  | 9540  |
| 0130-0155 | Spanish  | 11775 |
| 0300-0325 | Russian  | 7215  |
| 1100-1125 | Spanish  | 17805 |
| 1200-1230 | Romanian | 15315 |
| 1230-1255 | English  | 15315 |
| 1300-1325 | Spanish  | 15320 |
| 1330-1355 | French   | 15320 |
| 1400-1425 | English  | 11580 |
| 1800-1825 | Russian  | 9655  |
| 1900-1925 | French   | 11580 |
| 1930-1955 | English  | 11580 |
| 2000-2025 | Spanish  | 7245  |

(BBCM)

**Radio Dniester's** latest sked in EE: Mon, Wed and Sat on 9620, 11270 (yep, 11270) and 15290 from 2030-2100. Repeated the next days at the same time. (Aio RJMR via Johnson/ Jihad DX)

Sked for **Radio Ukraine International** compiled entirely from recent monitoring observations. Note that frequency usage is highly variable.

|           |           |  |
|-----------|-----------|--|
| 0000-0030 | English   | 11950 11780 9750 4825  |
| 0000-0100 | Ukrainian | 9560 7285 7240 6090<br>6020 6010                                   |
| 0030-0100 | English   | 11950 11780 9750   |
| 0100-0200 | Ukrainian | 11875 9750 9560 7405<br>7285 7240 6090 6020<br>6010                |
| 0200-0230 | Ukrainian | 11590 9860 9750 9685<br>7405 7285 7240 7195<br>6020 6010 5960 5940 |
| 0230-0300 | Ukrainian | 11590 9860 9750 9685<br>7405 7285 7240 7195<br>6020 5960 5940      |

|           |           |  |           |           |   |
|-----------|-----------|--|-----------|-----------|---|
| 0300-0400 | English   | 9860 9835 9685 7405  | 1500-1530 | Ukrainian | 21800 15550 15265   |
| 0300-0330 | Ukrainian | 13720* 11980* 11825<br>11590 9640 7285 7240<br>6020  |           |           | 15135 13720 13690<br>11705 9640 7405 7205<br>6020                                   |
| 0330-0400 | Ukrainian | 13720* 11980* 11825<br>11590 9640 7285 6020  | 1530-1600 | Ukrainian | 21800 15550 15265<br>15135 13720 13690<br>11705 9640 7405 6020                      |
| 0400-0500 | Ukrainian | 21800 13720 13690<br>11980 11825 11705*<br>11590 9860 9835 9685<br>9640 9510 7405 6020         | 1600-1700 | Ukrainian | 21800 15550 15380<br>15265 15135 13720<br>13690 11840 11705<br>9640 7405 6020 4920  |
| 0500-0600 | Ukrainian | 21800 13720 13690<br>11980 11825 11705<br>9860 9835 9640 9620<br>7405 6020                     | 1700-1800 | German    | 21800 15550 15380<br>15135 13720 13690<br>11840 11705 9640 7405<br>7180 6020 4920   |
| 0600-0700 | Ukrainian | 21800 13720 13690<br>11980 11825 11705<br>11590 9835 9640 9620<br>7405 6020                    | 1800-1900 | Ukrainian | 15550 15265 15135<br>13720 11705 7405 7180<br>6020 6010 4920                        |
| 0700-0730 | Ukrainian | 21800 13690 11980<br>11825 11705 9860 9835<br>9640 9620 9510 7405<br>6020                      | 1900-2000 | Ukrainian | 13720 11950* 11840<br>11780* 6090 6020 6010<br>5905 4920                            |
| 0730-0800 | Ukrainian | 21800 13690 11980<br>11825 11705 9860 9640<br>9620 9510 7405 6020                              | 2000-2030 | German    | 15265 11950 11875<br>11780 9750 7285 7240<br>7180 6130 6090 6010<br>5905 4825       |
| 0800-0830 | Ukrainian | 17655 13690 11980<br>11825 11740 11720<br>11705 9860 9640 9620<br>7405 6020                    | 2030-2100 | German    | 15265 11950 11875<br>11780 9750 7285 7240<br>6090 6010 5905 4825                    |
| 0830-0900 | Ukrainian | 17655 13690 11980<br>11825 11720 11705<br>9860 9640 9620 7405<br>6020                          | 2100-2200 | English   | 11950 11875 11825<br>11780 11610 9750 9560<br>7285 7240 6090 6020<br>6010 5905 4825 |
| 0900-1000 | Ukrainian | 21800 17655 13720<br>13690 11980 11825<br>11705 11590 9860 9685<br>9640 9620 9510 7405<br>6020 | 2200-2300 | Ukrainian | 11950 11875 11825<br>11780 9750 9560 7285<br>7240 6090 6020 6010<br>4825            |
| 1000-1100 | Ukrainian | 21800 17655 13690<br>11980 11825 11705<br>9640 9620 7405 6020                                  | 2300-2400 | German    | 11950 11875 11780<br>9750 9560 7285 7240<br>6090 6020 6010 4825                     |
| 1100-1130 | Ukrainian | 21800 17655 15265<br>15135 13690 11980<br>11825 11705 7405                                     |           |           |   |
| 1130-1200 | Ukrainian | 21800 15265 15135<br>13690 11980 11825<br>11705 9620 7405                                      |           |           |   |
| 1200-1300 | Ukrainian | 21800 15550 15265<br>15135 13720 13690<br>11980 11825 11705<br>9640 7405                       |           |           |   |
| 1300-1400 | Ukrainian | 21800 15550 15265<br>15135 13720 13690<br>11980 11825 11705<br>9640 7405 6020                  |           |           |   |
| 1400-1500 | Ukrainian | 21800 15550 15265<br>15135 13720 13690<br>11980 11825 11705<br>9640 7405 6020                  |           |           |   |

(BBCM)

**CLANDESTINE-ASIA** During a recent visit to North Korea, a member of the Asian Broadcasting Institute was able to confirm the location of one of the transmitters used by the *Voice of National Salvation* [which broadcasts from North Korea to the south]. According to an investigation by the South Korean authorities, this clandestine station has transmitters in Pyongyang, Haeju [southwest North Korea] and Wonsan [east North Korea]. Of these three locations, the Japanese DXer was able to confirm the presence of the Wonsan transmitter, which is on a hill in Wonsan City. This transmitter is used on 3480 kHz. (21-May/Radio Japan "Media Roundup"/BBCM)

**CLANDESTINE-MIDEAST** The broadcast of the "Organization for Human Rights and Fundamental Freedoms for Iran" uses Egyptian txers. Mailing address: 18615, Rue Violet, 75015 Paris. FAX: Paris 48258178 and others in Germany. Telephone: in 14 cities in Europe and America. Los Angeles: 818-792-

|  |           |         |  |
|--|-----------|---------|--|
| 4726. Listed and reported sked, all programs in Farsi, jammed from Iran: | 0000-0200 | Spanish | 15230 11970 11875                      |
| 0230-0423 9270 9380 9482 11470 (three freqs at any one time)             | 0200-0400 | Spanish | 11760 9820 9550 9505 6180 5965         |
| 0600-0637 9270 15150   | 0400-0500 | Spanish | 15230 11970 11875 11760 9550 9505 5965 |
| 1630-1823 9380 11470 9270  |           |         | 15230 11875 11760 9550 9505 5965       |

OHRFFI also gives 1545-1620, heard on 9255 14157 11470. Station used old Communist songs as its signature tune, and has the name "*Voice of the Human Rights and Freedom for Iran*", with ID announcements in EE and FF at the start of each broadcast. (Newsplus—Australian DX News)

*V.O. Human Rights and Freedom for Iran* (pres.), 0250-0422\* on 9380. Heard //11469.67 and 9270 but badly distorted audio. (Alexander 6/4 FT 787 via Valko/Jihad DX) Was heard in Ramstein 8th June on 15150 kHz opening at 1545 UTC with interval signal and ID in English, French and Farsi, followed by political talks in Farsi. It was weakly jammed, and more heavily QRM-ed by cochannel R Netherlands. Ex 14170 kHz? (Petersen)

*Voice of Rebellious Iraq* (Arabic: *Sawt al-Iraq al-Tha'ir*; Kurdish: *Dangi Iraqi Shurashgar*) supports the Iran-sponsored Shi'i Supreme Assembly of the Islamic Revolution in Iraq (SAIRI) under Muhammad Baqir al-Hakim and is hostile to the current Iraqi government.

|           |                |               |
|-----------|----------------|---------------|
| 0230-0500 | Arabic/Kurdish | 6360-6600v    |
| 1200-1430 | Arabic/Kurdish | 6030-6070v    |
| 1500-1730 | Arabic/Kurdish | 6360-6600v    |
|           |                | (unconfirmed) |

(timing varies—may be at 1600-1830)

The station currently announces the following addresses: PO Box 36802, Damascus, Syria; PO Box 11365/738, Tehran, Iran; PO Box 37155/146, Qom, Iran. (BBCM)

BBCM previously reported the domestic service of Iraqi radio around 1600 on 15133 kHz. Further checks have proved this station to be the Iraqi opposition station which mimics Iraqi government radio by using the same station identification—"Republic of Iraq Radio from Baghdad." The opposition station has been heard recently on a frequency (13675) used at other times by United Arab Emirates (UAE) Radio in Dubai. Station also noted around 1600 on 15133 and 9570 kHz. (When "*Republic of Iraq Radio*" began broadcasting, in January 1991, it announced that it was using the facilities of the official radio stations of Egypt, Syria and the member states of the Gulf Cooperation Council, GCC. The UAE is a member of the GCC.) (BBCM)

**CROATIA** *Croatian Radio* broadcasts in English and Croat from 2200-0500 on 13830, 7370 and 5895 kHz. Each hour begins with 10 minutes of news in English. (BBCM)

**CUBA** Here's the current sked for *Radio Havana Cuba*, not including spurs:

|           |         |       |
|-----------|---------|-------|
| 0000-0030 | Quechua | 15340 |
|-----------|---------|-------|

|           |            |                            |
|-----------|------------|----------------------------|
| 0100-0200 | English    | 9830U 6000                 |
| 0200-0400 | English    | 9830 9820 6000             |
| 0400-0500 | English    | 9830U 9820 6180            |
| 0500-0700 | English    | 9820                       |
| 0200-0230 | Creole     | 6180                       |
| 0230-0330 | French     | 6180                       |
| 0330-0400 | Creole     | 6180                       |
| 1100-1200 | Spanish    | 11875 11760 9550 6000      |
| 1200-1300 | Spanish    | 11875 11760 9550 9505 6000 |
| 1300-1400 | Spanish    | 11760 9550 9505 6000       |
| 1400-1500 | Spanish    | 11760 9505 6000            |
| 2000-2100 | Arabic     | 15230                      |
| 2000-2100 | French     | 11705                      |
| 2000-2100 | Portuguese | 11760                      |
| 2100-2200 | English    | 11705                      |
| 2100-2300 | Spanish    | 15220 11760 9820U          |
| 2130-2200 | Creole     | 6180                       |
| 2200-2300 | English    | 11960U 6180                |
| 2200-2300 | Portuguese | 15340                      |
| 2300-2400 | French     | 9820U 6180                 |
| 2300-2400 | Guarani    | 15340                      |
| 2300-2400 | Portuguese | 11970                      |

**CYPRUS** *Cyprus Broadcasting Corporation* broadcasts from the BBC Relay station near Limassol. Sked is 2215-2245 on 9760, 7205 and 6180 kHz on Fr-Su only, with programs in Greek. (BBCM)

**ECUADOR** Here's *HCBJ* schedule J95C, revised 1 June:

|           |            |                   |
|-----------|------------|-------------------|
| 0000-0030 | French     | 12005             |
| 0030-0500 | English    | 9745              |
| 0115-0130 | Tajik      | 11635 Su-Th       |
| 0130-0147 | Uzbek      | 11635 Su-Th       |
| 0147-0200 | Russian    | 11635 Su-Th       |
| 0200-0400 | Russian    | 11635             |
| 0400-0430 | Russian    | 11635 Fr-Sa       |
| 0400-0430 | Georgian   | 11635 Su-Th       |
| 0430-0500 | Japanese   | 9765              |
| 0430-0500 | German     | 6205              |
| 0500-0515 | Portuguese | 9765 Sa-Su        |
| 0500-0515 | Kikongo    | 9765 Mo-Fr        |
| 0500-0530 | Czech      | 12025             |
| 0500-0700 | English    | 9745              |
| 0500-0700 | Russian    | 11615             |
| 0515-0600 | Portuguese | 9765 Mo-Fr        |
| 0530-0600 | Portuguese | 12025 Su/Mo/Tu/Th |
| 0530-0600 | Nordic     | 12025 We/Fr/Sa    |
| 0600-0630 | German     | 12025             |
| 0630-0700 | French     | 12025             |
| 0700-0830 | English    | 11615             |
| 0700-1130 | English    | 6135              |

|           |            |                   |
|-----------|------------|-------------------|
| 0730-0930 | Portuguese | 6125              |
| 0830-1330 | Quechua    | 3220 6080         |
| 0900-0930 | Quechua    | 6110              |
| 0930-1000 | German     | 6110              |
| 1000-1100 | Quechua    | 6110              |
| 1030-0504 | Spanish    | 6050              |
| 1030-1130 | Russian    | 9415              |
| 1030-1500 | Spanish    | 11960             |
| 1100-1500 | English    | 12005             |
| 1130-1200 | Japanese   | 9415              |
| 1130-1430 | English    | 15115             |
| 1200-1300 | Spanish    | 9415              |
| 1330-2100 | English    | 6080              |
| 1430-1600 | English    | 15115             |
| 1500-0500 | Spanish    | 15140             |
| 1500-1800 | Portuguese | 15295             |
| 1700-2000 | English    | 15490             |
| 1800-1830 | Czech      | 15520             |
| 1830-1900 | German     | 15520             |
| 1900-2000 | Arabic     | 15520             |
| 2000-2030 | Portuguese | 15520 Su/Mo/Tu/Th |
| 2000-2030 | Nordic     | 15520 We/Fr/Sa    |
| 2030-2100 | French     | 15520             |
| 2100-0300 | Quechua    | 3220 6080         |
| 2100-2130 | German     | 15520             |
| 2130-2200 | Arabic     | 15520             |
| 2200-0030 | Quechua    | 9745              |
| 2200-2300 | Spanish    | 15520             |
| 2200-2300 | Japanese   | 11615             |
| 2300-2400 | German     | 11635             |
| 2300-0230 | Portuguese | 11615             |

**HCJB** also broadcasts 24 hours per day in upper sideband on 15540 (30 kw) and 21455 kHz (1.5 kw) in a variety of languages. (Direct)

**TWR**-Brazil's programs are no longer being carried via **HCJB**. (McVicar WOR via Johnson/Jihad DX)

**ERITREA** According to *Voice of the Broad Masses of Eritrea*, here are the various powers on their transmitters: 3970 and 7380 khz 10 kW, 5000 and 7020 khz 2 kW. (Stell Pop Com July via Johnson/Jihad DX)

**ETHIOPIA** 9705, *Radio Ethiopia*, 0358-0445, tuned in to childrens chorus. Talk in lang. at 0400. Poor w/co-channel QRM. //7110.05 w/good signal, and //9560 w/co-channel Taiwan. Apparently 9560 is no longer used by *V.O. Peace* at 0400. (Alexander 6/4 FT 787 via Valko/Jihad DX)

**GERMANY** *Deutsche Welle* is to cease all SW svces to northern, western, and southern Europe. Coverage of those areas is to be via satellite, with 350 contacts having been signed in Europe, and 600 worldwide, to small public and private radio stations. (RVI DX pgm via BCDX/Newsplus—Australian DX News)

**GREECE** 9375, *V.O. Greece*, \*0557-0630, New freq here, //9425 and 11645. (Alexander FT 787 via Valko/Jihad DX)

## INDONESIA

|         |   |
|---------|---|
| 2370    | New RRI station at Ende   |
| 2904.58 | <i>RPDT2 Ngada</i> noted until 1425v*, relay Jakarta nx @12 and 1300  |
| 3146.29 | <i>RSPDT2 Jalmahera Tengah</i> noted 1409   |
| 3214.82 | <i>RRI Manado</i>   |
| 3222.93 | <i>RRI Mataram ex-3223</i>  |
| 3243    | <i>RRI Ambon ex-3241</i>  |
| 3295.23 | <i>RRI Samarinda</i> reactivated  |
| 3304.81 | <i>RRI Dili</i>   |
| 3384.96 | <i>RRI Kupang</i>   |
| 4719    | <i>RRI Ujung Pandang</i> —currently off the air, to be reactivated later in 1995.   |
| 4765.92 | <i>RRI Medan</i>  |
| 4845.21 | <i>RRI Ambon</i> reactivated again  |
| 4910.38 | <i>RRI Bukittinggi</i> reactivated  |
| 5046    | <i>RRI Yogyakarta</i> has been off the air for over 12 months. TXer has been modified for use in MW. Hopefully, 5046 will be back on the air later in 1995. |
| 5984.28 | <i>RRI Tual</i> from 1209-1500  |
| 6025    | <i>RRI Banjarmasin</i> , new outlet   |

(Newsplus—Australian DX News plus Takayuki Inoue Nozaki/Relampago DX)

7231.1 *RRI Fak Fak presumed*—composite log from several days monitoring. Music programs prior to 1100 and 4+1 time pips at 1100 and then presumed local news. Different types of music programs are heard prior to 1200. Sometimes they play SCI prior to 1200 and sometimes they don't. (09June+/Johnson/Jihad DX) Them for certain. 4789.06 outlet formerly used for local morning transmission (around 2000) not noted lately. (Takayuki Inoue Nozaki/Relampago DX)

**IRAN** *Voice of the Islamic Republic of Iran*—only frequencies confirmed by recent observations:

|           |         |  |
|-----------|---------|--|
| 0030-0130 | Bengali | 11965 9575                               |
| 0030-0130 | English | 9022 7260 7180 6175                      |
| 0030-0130 | Spanish | 9685                                     |
| 0130-0230 | Spanish | 9685 9022 7260 7180 6175                 |
| 0230-0330 | Arabic  | 9022 7260 7180                           |
| 0230-0330 | Spanish | 6175                                     |
| 0330-0730 | Arabic  | 11930 11910 9525 7180 7130               |
| 0430-0530 | Turkish | 11790 9540                               |
| 0530-0630 | Spanish | 15260 11790                              |
| 0630-0730 | French  | 15315 15260 11790                        |
| 0930-1130 | Arabic  | 15260 13605 11745                        |
| 1130-1230 | English | 17750 15260 11930 11875 11790 11745 9735 |
| 1230-1400 | Azeri   | 9735                                     |
| 1230-1330 | Pashto  | 11930 11875 11790 11745                  |
| 1330-1400 | Malay   | 17885 15260                              |
| 1330-1430 | Urdu    | 11930 11875 11790 11745 7180             |
| 1400-1500 | Russian | 11960 11875 9735                         |
| 1430-1530 | Bengali | 17750 15260 11875 11745                  |

|           |             |                     |
|-----------|-------------|---------------------|
| 1430-1530 | Pashto      | 11930               |
| 1530-1630 | English     | 17750 15260 11875   |
| 1530-1630 | Russian     | 9022 7260           |
| 1530-1730 | Urdu        | 11930               |
| 1630-1730 | Swahili     | 11740 9685          |
| 1630-1730 | Turkish     | 9735 9022 7260      |
| 1700-2130 | Arabic      | 9665 7190 7180 6025 |
| 1730-1830 | German      | 9022 7260 7115      |
| 1830-1930 | French      | 9022 7260           |
| 1830-1900 | Serbo-Croat | 11715 9650          |
| 1930-2030 | English     | 9022 7260           |
| 1930-2030 | Russian     | 7115 6175           |
| 2030-2130 | Spanish     | 9022 7260 6175      |
| 2130-2230 | Arabic      | 9022 7260 6025      |
| 2130-2230 | English     | 6175                |
| 2230-2330 | French      | 9022 7260 6175      |

(BBCM)

**ITALY** Letizia Moratti, president of state broadcaster **RAI**, says "We want to play a major role in the new global information village.... We are particularly active in the construction of the global information village." [Note: Perhaps they're designing the sofas and lighting fixtures for the "global information village;" no apparent efforts seems to have been made lately to enliven (or even resuscitate) their overseas broadcasts.—AQ]

**JORDAN** For what it's worth, here's **Radio Jordan's** latest schedule (subject to immediate change):

|           |         |                            |
|-----------|---------|----------------------------|
| 0000-0200 | Arabic  | 11935 11805 7180           |
| 0300-0500 | Arabic  | 15290-(fm 0305) 11810 9630 |
| 0500-0715 | Arabic  | 15290 11835 11810          |
| 1000-1200 | Arabic  | 15355 15215                |
| 1100-1200 | English | 15170                      |
| 1200-1500 | Arabic  | 17800 15215 11705          |
| 1400-1630 | English | 15270                      |
| 1530-1700 | Arabic  | 12000 11945 9610           |
| 1700-1800 | Arabic  | 9830 9610                  |
| 1800-2000 | Arabic  | 11740 9830 9610            |
| 2000-2100 | Arabic  | 11740 7180                 |
| 2100-2400 | Arabic  | 7180                       |

(BBCM)

**KOREA, NORTH** 6070 is a new frequency for **Radio Pyongyang** at 1125, //7580 and also on new 6520. All in Japanese, the former mixing with Toronto. (Johnson/Jihad DX)

**LEBANON** The rundown for **Voice of Hope** and affiliated stations at Marj Uyun:

**Voice of Hope/King Of Hope/Prince Of Peace:**

|           |          |      |
|-----------|----------|------|
| 0400-0800 | Arabic   | 6280 |
| 0800-1100 | English  | 6280 |
| 1100-1600 | Arabic   | 6280 |
| 1600-1900 | English  | 6280 |
| 1900-2100 | Arabic   | 6280 |
| 2100-0100 | English* | 6280 |

\*Gene Scott

**Wings Of Hope:**

|           |             |      |
|-----------|-------------|------|
| 0400-0800 | English*    | 9960 |
| 0800-1100 | English     | 9960 |
| 1100-1300 | Arabic      | 9960 |
| 1300-1500 | English     | 9960 |
| 1500-1530 | Persian     | 9960 |
| 1530-1630 | English     | 9960 |
| 1630-1700 | Georgian    | 9960 |
| 1700-1730 | Uzbek       | 9960 |
| 1730-1830 | Arabic      | 9960 |
| 1830-1900 | RR/Turk/Ukr | 9960 |
| 1900-2100 | English     | 9960 |
| 2100-0200 | English*    | 9960 |

(BBCM)

[Suggestions for future affiliated stations: **King of Peace, Voice of Wings, Prince Of Kings, Wings of Gene Scott**—AQ]

**MADAGASCAR** For Z95, **Deutsche Welle** relays over Radio Netherlands (Madagascar) are

|           |               |       |
|-----------|---------------|-------|
| 0500-0550 | Portuguese/FF | 11765 |
| 0900-0950 | English       | 17780 |

(WorldWide DX Club/Newsplus—Australian DX News)

**MALAWI** The nation's minister of information, broadcasting, posts and telecommunications, Hon. Brown Mpanganjira, has said that the government will [this year] provide the **Malawi Broadcasting Corporation [MBC]** with new high frequency [short-wave] transmitters. (BBCM)

**MONACO Trans World Radio** schedule to Europe, North Africa & Middle East:

|           |            |                  |
|-----------|------------|------------------|
| 0500-0515 | Kurdish    | 11635            |
| 0515-0530 | Polish     | 9490 7105        |
| 0640-0805 | English    | 7115             |
| 0805-0820 | English    | 7115             |
| 0830-0845 | German     | 7160 6230        |
| 0830-0845 | Hungarian  | 9490 7385 Tu-Sa  |
| 0845-0900 | Slovak     | 12075 9490       |
| 0845-0900 | Czech      | 12075 9490 Th/Sa |
| 0845-0915 | German     | 7160 6230 Su     |
| 1005-1020 | German     | 7160 6230 Mo-Sa  |
| 1030-1045 | Czech      | 12075 9490 Su    |
| 1030-1100 | Slovak     | 12075 9490       |
| 1100-1145 | Hungarian  | 9490 7385 Su     |
| 1130-1155 | English    | 7115 Sa-Su       |
| 1230-1245 | Croatian   | 7255 Fr-We       |
| 1230-1245 | Serbian    | 7255             |
| 1245-1300 | Slovenian  | 7255             |
| 1245-1315 | Macedonian | 7255             |
| 1245-1315 | Croatian   | 7255 Mo-Fr       |
| 1330-1400 | German     | 7160 6230        |
| 1400-1415 | Hebrew     | 11760 9490 Th-Tu |
| 1415-1445 | Russian    | 9500             |
| 1445-1500 | Kurdish    | 11835            |
| 1445-1530 | Russian    | 9500             |
| 1500-1515 | Armenian   | 12080 9445       |
| 1500-1530 | Polish     | 9490 7105        |
| 1515-1530 | Slovak     | 7115             |
| 1515-1530 | Czech      | 7115 Mo/Tu/Th/Fr |

|           |            |                  |
|-----------|------------|------------------|
| 1515-1530 | Armenian   | 12080 9445 Mo-Fr |
| 1530-1545 | Ukrainian  | 9445 7385        |
| 1530-1600 | Czech      | 7115 Mo-Fr       |
| 1545-1615 | Ukrainian  | 9445 7385        |
| 1600-1630 | Hungarian  | 7115             |
| 1630-1700 | Farsi      | 13815 12085      |
| 1715-1730 | Lithuanian | 11805            |
| 1730-1800 | Romanian   | 9445             |
| 1730-1815 | Russian    | 11635 9475       |
| 1800-1815 | Bulgarian  | 9445 We-Su       |
| 1815-1830 | Russian    | 11635 9475       |
| 1930-2000 | Kurdish    | 9490             |
| 1930-2000 | German     | 7160 1467        |
| 1930-2000 | Turkish    | 9490             |

(Nikolay Pashkevich—Russia/Alexander Ageenkov—Russia/Internet)

**MONGOLIA** Here's the latest for *Radio Ulan Bator*.

Good luck!:

|           |           |                           |
|-----------|-----------|---------------------------|
| 0300-0330 | English   | 12000 9960                |
| 0910-0940 | English   | 12000 9960                |
| 0945-1015 | Russian   | 12085 9960 Sa/Mo/We/Th/Sa |
| 1020-1050 | Mongolian | 12085 9960                |
| 1050-1120 | Chinese   | 12085 9960                |
| 1120-1150 | Japanese  | 12085 9960                |
| 1200-1230 | Japanese  | 12085 9960 Su             |
| 1250-1320 | Mongolian | 9950 7293 990             |
| 1330-1400 | Chinese   | 9950 7293 990             |
| 1410-1440 | Russian   | 9950 7293 Mo/Tu/Th/Fr/Sa  |
| 1445-1515 | English   | 9950 7293                 |
| 1700-1730 | Russian   | 7530 4080 Su/Tu/We/Fr/Sa  |
| 1930-2000 | English   | 7530 4080                 |

(BBCM)

**NAMIBIA** Wow! This is the first time I think I've ever seen a complete sked for the *Namibian Broadcasting Corporation*.

**NBC Service 1:**

|           |      |
|-----------|------|
| 0700-1700 | 4965 |
| 1700-0700 | 3290 |

**Programs:**

|           |                        |
|-----------|------------------------|
| 0000-0500 | All Night Service      |
| 0500-0900 | National Radio (Mo-Fr) |
| 0500-0900 | Afrikaans (Sa-Su)      |
| 0900-1000 | German (Su)            |
| 0900-1000 | Afrikaans (Mo-Fr)      |
| 1000-1200 | Afrikaans (Su)         |
| 1100-1200 | German (Mo-Sa)         |
| 1200-1600 | Afrikaans (Mo-Fr)      |
| 1300-2000 | Afrikaans (Sa)         |
| 1600-2000 | German (Su)            |
| 1600-1700 | National Radio (Mo-Fr) |
| 1700-2000 | German (Mo-Sa)         |
| 1900-2000 | Afrikaans (Mo/Fr)      |
| 2000-2400 | National Radio         |

**NBC Service 2:**

|           |      |
|-----------|------|
| 0500-0700 | 3270 |
| 0700-1700 | 4930 |
| 1700-2010 | 3270 |

**Programs:**

|           |                        |
|-----------|------------------------|
| 0500-0630 | Otjijherero (Sa/Su)    |
| 0630-1100 | Damara>Nama (Sa/Su)    |
| 0900-1230 | Otjijherero (Mo-Fr)    |
| 1100-1400 | Otjijherero (Sa-Su)    |
| 1230-1600 | Damara>Nama (Mo-Fr)    |
| 1400-1700 | Damara>Nama (Sa-Su)    |
| 1600-1700 | National Radio (Mo-Fr) |
| 1700-1830 | Otjijherero            |
| 1830-2010 | Damara>Nama (Mo-Fr)    |
| 1830-2010 | Otjijherero (Sa-Su)    |

**NEW ZEALAND** 3935 ZXLX now signs off as late as 1100 Monday through Friday. (Cushen RNZ Mbag via Atkins via TLC) Per Martin in OZDX, they're on till 1200 now. (Valko/Jihad DX)

**NIGER** *Voix du Sahel* schedule, compiled entirely from monitoring observations. There may be variations at weekends; in the past the station has extended its broadcasting hours on Saturday. At various times of the day the station splits into two services to carry separate news bulletins in local languages. Programming is mostly in French, with occasional public announcements and news in Arabic, Fulfulde, Hausa and Zerma. English is broadcast from 2000-2030 on Sundays only (unconfirmed).

|           |           |
|-----------|-----------|
| 0430-0700 | 5020      |
| 0700-1100 | 7155      |
| 1100-1400 | 9705 7155 |
| 1700-2203 | 7155 5020 |

(BBCM)

**PALAU** *KHBN-Voice of Hope Asia* sked:

|           |              |       |
|-----------|--------------|-------|
| 0800-1100 | Chinese      | 9830  |
| 1100-1130 | Vietnamese   | 9830  |
| 1130-1200 | Korean       | 9830  |
| 1200-1400 | Chinese      | 9830  |
| 1200-1900 | EE/Hindi/Tag | 9965  |
| 1400-1430 | Korean       | 9830  |
| 1430-1530 | Vietnamese   | 9830  |
| 2000-2330 | Chinese      | 15140 |
| 2330-0100 | English      | 15140 |

(BBCM)

**PARAGUAY** *AWR* has received word that the Paraguayan government has approved its application to construct a shortwave station near the capital city of Asuncion. The project, for which property has already been identified, will consist of two 50-kW shortwave transmitters for coverage of the South American continent. "The plan also calls for broadcasts on mediumwave and FM, but approval has not yet been granted for these two stations," said AWR President Walter Scragg. He added that "construction at the site will not proceed until either the FM or mediumwave licence is granted." (Adventist World Recorder/BBCM)

**PERU**

- 4746.78 *Radio Huanta 2000* from \*1002 (Takayuki Inoue Nozaki/Relampago DX)  
 5275.56 new *Estacion NC*, Nueva Cajamarca around 1013. (Takayuki Inoue Nozaki/Relampago DX)  
 6201.18 *LV de Huamanga* is indeed the one here around 1013. (09June/Valko/Jihad DX)

**PHILIPPINES FEBC Radio International:**

|           |            |                |
|-----------|------------|----------------|
| 0000-0200 | English    | 15450          |
| 0115-0130 | Burmese    | 15465          |
| 0130-0145 | Meitei     | 15465 Mo-Fr    |
| 0130-0145 | Kuki       | 15465 Sa-Su    |
| 0145-0200 | Ao Naga    | 15465 Sa-Su    |
| 0200-0215 | Karbi      | 15465 Su       |
| 0200-0215 | Zoukam     | 15465 Sa       |
| 0500-0900 | Chinese    | 12020          |
| 0800-0830 | Sasak      | 11995          |
| 0830-0900 | Javanese   | 11995          |
| 0900-1400 | Chinese    | 9400           |
| 0900-1000 | Indonesian | 11995          |
| 0930-1100 | English    | 11690          |
| 1000-1030 | Chinese    | 9475           |
| 1000-1030 | Minangnese | 11995          |
| 1015-1045 | Indonesian | 15095          |
| 1030-1100 | Swatow     | 9475           |
| 1045-1115 | Aceh       | 15095          |
| 1045-1100 | Khmu       | 11995          |
| 1100-1130 | Hmong      | 11690          |
| 1100-1130 | Zhuang     | 9475           |
| 1115-1145 | Vietnamese | 15095 9795     |
| 1145-1345 | Vietnamese | 9795           |
| 1130-1330 | Cantonese  | 9475           |
| 1130-1200 | Laotian    | 11690          |
| 1145-1230 | Burmese    | 15095          |
| 1200-1300 | Cambodian  | 11690          |
| 1230-1400 | Burmese    | 15095          |
| 1300-1600 | English    | 11995          |
| 1330-1400 | Amoy       | 9475           |
| 1345-1400 | Mien       | 9795           |
| 1400-1430 | Burmese    | 15095          |
| 1400-1600 | Chinese    | 9475 9400 5890 |
| 2200-2400 | Chinese    | 5890           |
| 2230-2315 | Cambodian  | 9495           |
| 2230-2330 | Indonesian | 9780           |
| 2230-2300 | Laotian    | 9875           |
| 2300-2315 | Akha       | 11650 Sa-Su    |
| 2300-2330 | Hmong      | 9875           |
| 2315-2330 | Lahu       | 11650          |
| 2315-0015 | Vietnamese | 9495           |
| 2330-0115 | Burmese    | 15465          |
| 2330-2345 | Wa         | 11650          |
| 2345-0030 | Shan       | 15520          |

(BBCM)

*Radio Pilipinas:*

|           |         |                   |
|-----------|---------|-------------------|
| 0230-0330 | English | 21580 17865 17760 |
| 1730-1930 | Tagalog | 15190 11890 11720 |

(BBCM)

**ROMANIA Radio Romania International:**

|           |              |                                     |
|-----------|--------------|-------------------------------------|
| 0000-0100 | Spanish      | 11940 9570 9510 6155 5990           |
| 0100-0130 | Portuguese   | 11940 9570 9510 6155 5990           |
| 0130-0200 | Romanian     | 11940 9570 9510 6155 5990           |
| 0200-0300 | English      | 11940 9570 9510 6155 5990           |
| 0300-0400 | Spanish      | 11940 9570 9510 6155 5990           |
| 0400-0430 | English      | 11940 9570 9510 6155 5990           |
| 0430-0500 | Ukrainian    | 7195 6090                           |
| 0500-0530 | Hungarian    | 7105 5955                           |
| 0530-0600 | English      | 17790 17745 15340 15250 11810       |
| 0600-0645 | Multilingual | 11810 9665 9550 7225                |
| 0645-0745 | English      | 17805 17720 15335 15250 11775       |
| 0715-0815 | Romanian     | 17790 15370 15335 Su                |
| 0815-0915 | Romanian     | 17790 17720 15380 15335 Su          |
| 0915-1015 | Romanian     | 11970 11810 11775 9665 9590 9570 Su |
| 1130-1200 | French       | 15390 15365 15335 11940 11885 11775 |
| 1200-1230 | German       | 15365 11940 11775 9690              |
| 1230-1300 | Arabic       | 15390 15340 15250 11940 11830 11740 |
| 1300-1400 | English      | 17720 15365 11940                   |
| 1300-1330 | Romanian     | 11775 9510                          |
| 1330-1400 | Russian      | 15250 11775 9570                    |
| 1400-1430 | Arabic       | 15390 15340 15250 11830 11740       |
| 1400-1430 | Turkish      | 9665 9510                           |
| 1430-1530 | English      | 17720 15335 11775                   |
| 1430-1500 | French       | 15390 15340 11830                   |
| 1500-1530 | Persian      | 15250 11940                         |
| 1500-1530 | Ukrainian    | 7195 5995                           |
| 1530-1630 | Arabic       | 15390 15340 11940 11830 11740       |
| 1530-1600 | Italian      | 9510 7195                           |
| 1600-1630 | Turkish      | 9510 7225                           |
| 1630-1700 | French       | 11970                               |
| 1630-1700 | German       | 11940 9690 9510 7225                |
| 1630-1700 | Romanian     | 11775                               |
| 1700-1730 | Persian      | 15250 11940                         |
| 1700-1730 | Russian      | 9665 9510 7225 7105                 |
| 1730-1800 | English      | 17805 15365 15340 11830             |
| 1730-1800 | Romanian     | 11840 11830 9510                    |
| 1800-1900 | German       | 11940 9690 7195                     |
| 1800-1830 | Portuguese   | 17805 15365                         |
| 1830-1900 | Russian      | 9665 9510 7225 7105                 |
| 1900-2000 | English      | 11940 11810 9750 9690               |
| 1900-1930 | French       | 15255 11830                         |
| 1930-2000 | Spanish      | 15250 11970 11790                   |

|           |            |                                |
|-----------|------------|--------------------------------|
| 2000-2100 | French     | 11940 11830 9750<br>9690       |
| 2000-2030 | Romanian   | 11790 9510                     |
| 2030-2130 | Spanish    | 15250 11970 9750               |
| 2100-2200 | English    | 11940 9690 9570 7195           |
| 2130-2230 | Portuguese | 15250 11970 9750               |
| 2200-2300 | Spanish    | 11940 9510                     |
| 2230-2300 | Romanian   | 11830 11775 9750<br>9570       |
| 2300-2400 | Romanian   | 11940 11830 11810<br>9750 9570 |

(BBCM)

**THAILAND** *Radio Thailand*—Transmissions marked with an asterisk are from the *Voice of America* relay station at Udorn Thani in Thailand. Other frequencies are from *Radio Thailand's* own transmitters.

|           |            |                   |
|-----------|------------|-------------------|
| 0000-0030 | English    | 11905 9680* 9655  |
| 0030-0100 | English    | 11905* 9655       |
| 0100-0200 | Thai       | 11905 9655        |
| 0300-0330 | English    | 11905 11890* 9655 |
| 0330-0430 | Thai       | 11905 11890* 9655 |
| 1100-1115 | Vietnamese | 11905 9655 7285*  |
| 1115-1130 | Cambodian  | 11905 9655 7285*  |
| 1130-1145 | Lao        | 11905 9655 6040*  |
| 1145-1200 | Burmese    | 11905 9655 6040*  |
| 1200-1215 | Malay      | 11905 11805* 9655 |
| 1215-1230 | Indonesian | 11905 11805* 9655 |
| 1300-1315 | Japanese   | 11905 9655 7145*  |
| 1315-1330 | Chinese    | 11905 9655 7145*  |
| 1330-1400 | Thai       | 11905 9655 7145*  |
| 1800-1900 | Thai       | 11905 9655 7200*  |
| 1900-2000 | English    | 11905 9655 7200*  |
| 2000-2015 | German     | 11905 9755* 9655  |
| 2015-2030 | French     | 11905 9755* 9655  |
| 2030-2045 | English    | 11905 9755* 9655  |
| 2045-2115 | Thai       | 11905 9755* 9655  |

(BBCM)

**USA KVOH—Voice of Hope** sked:

|           |         |       |
|-----------|---------|-------|
| 0000-0230 | English | 17775 |
| 1300-2400 | Spanish | 17775 |

(BBCM)

Following the closure (in November 1994) of the *Voice of America* transmitting station at Bethany, Ohio, *Radio Marti* (the Cuban radio service of the US Information Agency) was now being relayed via a hired transmitter at *WHRI* (World Harvest Radio International in Indiana). *Radio Marti* is currently being transmitted via *WHRI* at 0200-0500 (not Sundays or Mondays) on 9495 kHz. It was noted that previously at the same time and on the same channel *WHRI* carried the "La Voz de la Fundacion" program from the Cuban-American National Foundation (an anti-Castro group) and the frequency was already jammed. "La Voz de la Fundacion" continued to be relayed by *WHRI* at 0000-0200 on 9495 kHz (i.e. immediately before the *Radio Marti* relay). The *Radio Marti* relay via *WHRI* was believed to have started in early May. (28-May/Hauser "WOR"/WWCR/BBCM)

Reports in the 'York Dispatch' of Pennsylvania and the 'Baltimore Sun' state that the recent suspension of *WINB* broadcasts was the result of a dispute between station owner John H. Norris, 74, and a manager at *WINB*, who had been dismissed. It was reported that *WINB* would return to the air after a three-month break for repairs. (30-Apr and 21-May/Hauser "World Of Radio"/WWCR/BBCM) [Wonder how the owner discovered it was off the air...AQ]

**WVHA—World Voice of Historic Adventism** sked:

|           |         |                |
|-----------|---------|----------------|
| 0400-0430 | Russian | 7465 Sa        |
| 0430-0500 | German  | 7465 Sa        |
| 1100-1130 | German  | 13770 Su       |
| 1130-1200 | English | 13770 Su       |
| 1300-1400 | Spanish | 15745 Su/Tu/Th |
| 1500-1700 | English | 15665          |
| 1700-1800 | Spanish | 13720 Tu/Th    |
| 1700-1730 | Russian | 13720 Sa-Su    |
| 1730-1800 | German  | 13720 Sa-Su    |
| 1800-1900 | Spanish | 13720 Sa       |

(BBCM)

**WWCR** now on 7435 from 1100-1400, ex-5075. (Hauser WOR via Johnson/Jihad DX) [Can we get an "amen"?—AQ]

**WYFR** sked:

|           |            |                      |
|-----------|------------|----------------------|
| 0000-0100 | English    | 6085                 |
| 0000-0100 | Hindi      | 11550T               |
| 0000-0100 | Spanish    | 9715                 |
| 0100-0500 | English    | 9505 6065            |
| 0100-0200 | Portuguese | 17725 15130          |
| 0100-0300 | Spanish    | 15170 5985           |
| 0100-0500 | Spanish    | 11855 9715           |
| 0300-0500 | English    | 9505 6065            |
| 0300-0400 | Russian    | 9985 7355 5890       |
| 0300-0500 | Spanish    | 5985                 |
| 0400-0500 | English    | 9370                 |
| 0400-0500 | German     | 11580                |
| 0400-0500 | Portuguese | 15170                |
| 0400-0500 | Russian    | 9985                 |
| 0500-0600 | Arabic     | 15170 13695          |
| 0500-0700 | English    | 5985                 |
| 0500-0600 | English    | 11580 9985           |
| 0500-0600 | German     | 9370 7355            |
| 0500-0600 | Spanish    | 11855 9705           |
| 0600-0800 | English    | 13685 9985 7355      |
| 0600-0700 | French     | 15170 13695 9370     |
| 0600-0700 | Italian    | 11725 11580          |
| 0700-0800 | Italian    | 11725 9370           |
| 0800-0900 | Portuguese | 11770 9605           |
| 0800-1000 | Spanish    | 11855 9550           |
| 0900-1000 | Portuguese | 11770 9625 9605 6175 |
| 1000-1100 | English    | 5950                 |
| 1000-1100 | French     | 11970 9625           |
| 1000-1300 | Spanish    | 11970 6085           |
| 1000-1100 | Spanish    | 11855 9550 6175      |
| 1100-1200 | English    | 11830 5950           |
| 1100-1300 | French     | 13695                |
| 1100-1200 | Spanish    | 11725 9605           |
| 1100-1200 | Spanish    | 15130 6175           |
| 1102-1605 | Chinese    | 9280T 5275T          |

|           |            |                                |   |         |               |
|-----------|------------|--------------------------------|---|---------|---------------|
| 1200-1300 | English    | 17750 11830 6015<br>5950       | 1800-1830   | Russian | 7165 6100     |
| 1200-1400 | Spanish    | 15145 15130 11725              | 1830-1900   | English | 9720 6100     |
| 1300-1400 | English    | 17750 13695 11830<br>6015 5950 | 1900-1930   | Spanish | 7220          |
| 1300-1400 | Spanish    | 6085                           | 1930-2000   | Serbian | 7230 6100 M-F |
| 1300-1400 | Spanish    | 15355 15130 11725              | 2000-2030   | German  | 6100          |
| 1302-1502 | English    | 11550T                         | 2030-2100   | French  | 6100          |
| 1400-1500 | English    | 17750 11830 6015               | 2100-2130   | English | 6185 6100     |
| 1400-1500 | Spanish    | 15130                          | 2300-2330   | Spanish | 11835 9720    |
| 1500-1700 | English    | 17750 11830 11705              | 2330-2400   | Serbian | 11870 9580    |
| 1502-1602 | Hindi      | 11550T                         | (BBCM)  |         |               |
| 1505-1705 | Russian    | 9955T                          | <b>ON THE SOAPBOX</b> A large part of assembling this     |         |               |
| 1600-1700 | Arabic     | 15695                          | column is transcribing and sorting a great many           |         |               |
| 1600-1700 | English    | 21745 21525 21500              | broadcasting schedules. It's at once hilarious and        |         |               |
| 1700-1800 | Arabic     | 21525                          | dismaying to see so many broadcasters (including          |         |               |
| 1700-1900 | English    | 21745 21500                    | some of the big guys) presenting needlessly complicated   |         |               |
| 1700-1800 | German     | 15695                          | schedules. Broadcasting in a crowded spectrum,            |         |               |
| 1700-1800 | Russian    | 21720 17750                    | facing poor propagation, and lacking any                  |         |               |
| 1800-1900 | French     | 21720 21525 17750              | effective international frequency coordination, it's      |         |               |
| 1800-1900 | Italian    | 15695                          | understandable that shortwave broadcasters must           |         |               |
| 1900-2000 | German     | 21500 15695                    | constantly make revisions to their times and frequencies. |         |               |
| 1900-2000 | Portuguese | 21525                          | This does not account for the byzantine program           |         |               |
| 2000-2100 | French     | 21500 15695                    | skeds offered by many stations. I always wonder           |         |               |
| 2100-2200 | Chinese    | 9280T 6300T                    | when I see lines like this:                               |         |               |
| 2100-2200 | Italian    | 15695 11835                    | 0417-0521 Swahili 15295 11882U Tu/Fr/+Sa                  |         |               |
| 2200-2300 | Chinese    | 9465T 9280T 6300T              | only during leap years                                    |         |               |
| 2200-2300 | Portuguese | 15130                          | You can leaf back through this month's column             |         |               |
| 2200-2300 | Spanish    | 15695 11835                    | for other fine examples. Who can be bothered to re-       |         |               |
| 2200-0100 | Spanish    | 5985                           | member all that?  |         |               |
| 2300-2400 | Chinese    | 11550T 9465T 6300T             | DX'ers and hobbyist SWLs can be expected to               |         |               |
| 2300-0100 | French     | 15170                          | make the extra effort to keep track of a favorite pro-    |         |               |
| 2300-2400 | French     | 6085                           | gram on a particular station. But what casual listener    |         |               |
| 2300-0100 | Portuguese | 17725                          | is going to bother to remember that his or her            |         |               |
| 2300-0100 | Spanish    | 17845 17750 15215              | favorite program (or language) is broadcast—except        |         |               |
| (BBCM)    |            |                                | during soccer season—from 5:15 pm to 5:27 pm on           |         |               |

**YUGOSLAVIA** *Radio Yugoslavia* uses two shortwave transmitting stations, one at Stubline in Serbia and another at Bijeljina in a Serb-occupied area of northeast Bosnia-Herzegovina. Because of the unstable situation in the region, in particular in Bosnia-Herzegovina, it has not been possible to confirm the current operational status of either of these stations. (For more details see reports in WBI/0042 of 1994 and WBI/0004, 0009 and 0017 of 1995). The transmitters at Bijeljina also used to carry external service broadcasts from *Serb Republic Radio*. Sked:

|           |           |             |
|-----------|-----------|-------------|
| 0000-0030 | English   | 11870 9580  |
| 0430-0500 | English   | 11870 9580  |
| 1430-1500 | Arabic    | 15175 11800 |
| 1500-1530 | Russian   | 11870 11755 |
| 1600-1630 | French    | 15175 9620  |
| 1630-1700 | German    | 9505 7215   |
| 1700-1715 | Albanian  | 6100        |
| 1715-1730 | Bulgarian | 6100        |
| 1730-1745 | Hungarian | 6100        |
| 1745-1800 | Greek     | 6100        |

—Al Quaglieri



# Pirate Radio Report

Chris Lobdell  
P.O. Box 146  
Stoneham, MA 02180-0146  
CompuServe: 75720.253

Hello and welcome to the first edition of THE PIRATE REPORT. A brief introduction is in order. I'm a 43 year old DXer and BAD GUY who first joined NASWA in 1968 and I've been a member ever since. Besides pirate radio, I enjoy listening to Latin American stations, especially from the Andean regions. My receivers include an NRD-525, Hammarlund HQ-180AX and a Hallicrafters SX-62A.

## A Brief Pirate Radio Primer

Although many of you are already familiar with shortwave pirates, some may not be. Pirates operate without licenses in violation of FCC regulations which could result in fines and equipment seizures if they are caught. Most operate with low power, usually no more than 200 watts on weekend afternoons, nights and holidays. Broadcasts last usually no more than an hour. Modes of operation include the standard AM, but more and more pirates are using either upper (USB) or lower (LSB) single sideband.

For many years, the popular pirate frequency was 7415 kHz, give or take a few kHz, but now that we have domestic powerhouses operating on both 7425 and 7435 kHz, and the VOA on 7405 kHz, many pirates are using new frequencies. The so called 43 meter band (6940-6980 kHz) which had been used in the early 1980s has regained popularity, especially from 6955 to 6965 kHz. Other frequencies noted within the past few months are 6875, 7375, 7405 and 7465 kHz. When pirate hunting, be sure to tune around these areas.

Many pirates welcome mail and are excellent QSLers. In order to remain protected from the FCC, they use maildrops to receive their reports. The maildrop operator then forwards your mail to the operator. In the past few years, the number of maildrops has increased dramatically. In a future edition of THE PIRATE REPORT, we'll explore this in more detail.

That's a brief overview of pirate radio. In future editions of THE PIRATE REPORT, we will focus on different aspects of the hobby. What would you like to see in this column? Please drop me a line or E-mail me a message and let me know. Your input will drive this report!

## Pirate Profile: Up Against the Wall Radio

Up Against The Wall Radio started life as a studio pirate in June of 1994. In August, a 100 watt transmitter was purchased and UATWR has aired a new program monthly since then with no plans to cease. Our station was active in last summer's "Shortwave Liberation" and the New Year's Eve "Pirate Radio Insanity". We've also relayed other stations and have been relayed by KIWI in New Zealand. We currently operate on the 43 meter band around 6957 kHz in the USB mode.

We QSL 100%, and although we do understand the "QSL Whore" mentality of some DXers, we greatly appreciate comments on our programming. Besides our normal cards, UATWR has produced 3 QSLs on a DOS computer disc. They require an SVGA monitor and a soundblaster card for support. As far as we know, we're the only station providing digital QSLs of this type.

Our station motto is "Total Personal Freedom Coupled With Complete Personal Responsibility". Our comic skits and sound effects attempt to reinforce that concept while at the same time, try to entertain. Our current maildrop address is: Box 28413, Providence, RI 02908.

Your editor would like to thank UATWR operator Owsley for submitting this interesting profile. Until next month 73 and good pirate hunting!



# QSL Reports

Sam Barlo  
47 Prospect Place  
Bristol, CT 06010



THE CASTLE, FINESTOWN, ST. HELENA, SOUTH ATLANTIC OCEAN  
Telephone: 1489 Telex 4302 DQVY HL. Fax (270) 2000 945 4042  
via Richard Lemke

**ZHH**  
14th October, 1994  
World Wide  
Transmission

**Radio ST. HELENA**

**ALGERIA: Radio TV Algerienne**  
11715 via **Bouchaoui** f/d cd. w/ sked. in 116 ds. (Humenyk)

**ARGENTINA: Radio Nacional LRA1**  
11710 f/d cd. w/ ltr. in 3 1/2 mo. for ms. v/s Rodrigo Calderon and Marcela G. R. Campos. (Pappas-SD). **Radio Nacional Mendoza** 6180 cd. w/ n/d ltr. in 32 ds. for \$1.00 for a SP rpt. v/s Jorge Horacio Parvanoff. (Owsley-CA).

**ARGENTINA: Missionswerk Werner Heukelbach** 9480 via **Radio Intercontinental** 9480 f/d

cd. w/ personal ltr. and rel. literature in 3 mo. for a GM rpt. and  
\* 3 IRCs. (Schwartz-NC). **Stimme der Maertyrer** 9480 no verie but I rcvd. a copy of "Kurier" magazine in 3 mo. for reception of a test transmission. (Schwartz-NC). **Missionswerk Mitternachtsruf** 9480 n/d form in 4 mo. for a GM rpt. and 3 IRCs. Sticker was rcvd. (Schwartz-NC).

**ASCENSION ISLAND: VOA** 15160 f/d "Michigan Winter" cd. w/ sked. in 8 wks. (Ondrechen-MA). **BBC** 17830 f/d ltr. in 107 ds. v/s Nichola Nicholls, Transmitter Engineer. (Humenyk-ONT).

**RCI**  **RADIO CANADA INTERNATIONAL**

**50**  
1945 - 1995

**ASIATIC RUSSIA: Voice of Russia** 9850 via **Vladivostok** f/d "Kosmos Hotel" cd. in 106 ds. (Humenyk-ONT). **Khabarovsk Radio** 7210 f/d cd. in 78 ds.

**AUSTRIA: Radio Austria** (Humenyk-ONT) **International** 9880 f/d "Church at Steinhof" cd. w/ sticker in 26 ds. \* (Humenyk). **OEIM** 9655 via **ORF/RAI** special f/d cd. in 34 ds. w/ schedule. (Kusalik-ALB).

**BOLIVIA: Radio El Mundo** 6015 f/d cd. w/ ltr. in 22 ds. for a SP rpt. and \$1.00. Also rcvd. personal ltr., sticker and very nice pennant. v/s Juan Pablo Sanz. (Owsley-CA). **Radio San Miguel** 4925 p/d cd. w/ ltr. and sticker for a SP rpt. and \$1.00. All in 1 mo. via registered mail. v/s Felix A. Rada Q. (Grace-DC).

**BRASIL: Radiodifusora Macapa ZYP360** 4915 f/d ltr. w/ decal in 3 mo. for

a PT rpt. v/s Rui Lobato. (Barto-CT). **Radio Nova Visao** 11705 large n/d cd. w/ sticker in 3 mo. for a PT rpt. and tape. (Rausch-NJ).

**BULGARIA: VOA Plovdiv** 13680 f/d "Badlands" cd. in 6 wks. (Barto-CT).

**CANADA: CHU** 7335 p/d "Sir Sanford Fleming" cd. in 19 ds. for \$1.00. (Dybka) **Radio Japan** 5960 via **RCI** f/d cd. w/ sked in 48 ds. for 2 IRCs. (Jones-SD).

**CHINA, PEOPLES REP. OF: China National Radio** 9064 f/d cd. in 76 ds. for \$1.00. (Owsley-CA).

माफी प्रमाण। वाचनार्थी प्रवेशद्वार, पत्र (समाचार) की  
गर्भ रंजु।

Sanchi - Niapa - Western gateway, 1st/2nd  
to 1st century BC



Directorate General  
**ALL INDIA RADIO**  
AKASHVANI BHAWAN,  
PARLIAMENT STREET,  
NEW DELHI-110001 INDIA

Dated the 24.01.1994

Dear Sir/Madam,

We gratefully acknowledge your Reception Report and confirm your listening to our transmission on 4760 kHz on 10.10.1993 11.10 UTC

The transmission originated from our Station at **PCAR 57.1R**

16107 Bldg. All India Radio  
Directorate General, Parliament Street  
New Delhi



**Mr. Jerry Klinck**  
43 Lein Road, West Seneca  
N.Y. 14221,

U. S. A.

## DEPARTMENT OF INFORMATION

AND BROADCASTING

P. O. BOX 1178

ZANZIBAR.

DATE 20th JULY, 1993.

11th/MARCH 22/15/VOL. 7

106:



**CLANDESTINE: Voice of Human Rights and Fundamental Freedoms for Iran** 11470 personal ltr. in 2 wks. v/s Laila Amir. Addr: 18 Bis, Rue Violet 75015 Paris. (Field-MI).

**COLOMBIA: Radio Nacional de Columbia** 4955 n/d cd. in 5 wks. for a SP rpt. (Field-MI). f/d cd. in 3 mo. for a SP rpt. v/s Jimmy Garcia Camargo, Director. (Barto-CT). same in 62 ds. w/ ltr. in SP. (Pasquale-PA). 11785 p/d cd. in 58 ds. for \$1.00. (Paszkievicz). **Caracol Bogota** 6150 p/d cd. w/ sticker in 100 ds. for \$1.00. (Paszkie-

**COSTA RICA: Radio For Peace International** 7385 f/d cd. w/ ltr. in 7 wks. for 2 IRCs. (Jones-SD).

**Radio Exterior de Espana** 5970 f/d cd. in 2 mo. (Barto). cd. w/ schedule in 3 mo. (Barto). **U.N.**

**Radio 9400 via RPFI** f/d "World Map" cd. in 1 wk. w/ schedule. (Field).

**CUBA: Radio Habana** 9830 f/d cd. w/ schedule in 3 mo. v/s Lourdes Lopez, Corres.

Dept. (Kusalik). f/d cd. in 106 ds. for 1 IRC. (Weissborn). 13700 f/d cd.

w/ personal ltr. in 246 ds. (Humenyk-NT)

**CYPRUS: CYBC** 7125 f/d "Studio and Building" cd. in 111 ds. (Humenyk-ONT).

**CZECH REP: OLX Check Numbers Station** 8142 and 11002 2 f/d cds. in 62 ds. for \$1.00. (Kusalik-ALB).

MR.

RICHARD S. DAVIS  
117 COLORADO DRIVE  
PO BOX 155, #24 HX 100 80130,  
UNITED STATES OF AMERICA.

Dear, Mr. Davis,

Thank you very much for your letter dated  
2nd July, 1993.

All the Details on which you have sending to us we are very much appreciated.

We are once again thank you and we hope that we can hear something more from you.

Sincerely yours,

(Yusef O. Chunda)  
DIRECTIONS  
DEPT. OF INFORMATION &  
ZANZIBAR.

**VERIFICATION SIGNERS: Radio Gulf** 3245 Robbin Wainetti, Provincial Program Manager. **Radio Northern** 3345 Roma Tererembo, Assistant Provincial Program Manager. **Radio Eastern** 3395 I. Yanam, Technical Manager. **NBC Port Moresby** 9675 Miss Francesca Maredei, Secretary.

**Radio Western** 3305 Mr. Geo Gedabing, Provincial Program Manager. **Radio Manus** 3315 John P. Mandrakami, Acting Provincial Program Manager. **Radio West New Britain** 3235 Ruben Bale, Provincial Program Manager. **Radio Riga** 5935 Fogita Cinnus. **King of Hope** 6280 Paul Johnson, Station Manager. **Radio Lesotho / BBC Relay Station** 11940/3255 Mr. Tom P. Hardcastle, Senior Engineer. Addr: British High Commission, P.O. Box 521, Maseru. **Radio Malaysia** 15295 Hajjah Wan Chikothman....via PLAY DX.....Sam.

|   |   |
|---|---|
| The postage stamp must be cancelled here<br>23 JUL 1994 6.00<br>This is the date and time of posting<br>your message to<br>No. of pages enclosed<br>61.00<br>No. of pages enclosed<br>61.00 | Mr. A. S. Wallace<br>L. WELLS<br>M.O. 1951-3201<br>U.S.A. |
|---|---|

**Radio Ropa Info** 5980 f/d cd. in 65 ds. via GM address. v/s R. Jobelius. (Paszkievicz).

**DOMINICAN REP: Onda Musical** 4774.9 p/d ltr. in 50 ds. for a SP rpt. and \$1.00. v/s Mario Baez Asuncion, Director-Administrator. (Martin-CA).

**ECUADOR: HCJB** 9745 f/d cd. w/ sked. and ltr. in 1 mo. for 2 IRCs. (Jones-SD). f/d cd. in 49 ds. (Weissborn). 15295 and 17790 f/d

**Radio Tashkent**



"Variety to Spare" cd. in 3 mo. w/ calendar and ltr. (Barto-CT). **Radio Quito** 4920 f/d prepared cd. w/ pamphlet and stickers in 102 ds. for a SP rpt. and ms. (Klinck-NY). n/d cd. w/ stickers in 110 ds. for a SP rpt., tape, used stamps and \$1.00. (Washburn-ME). **Escuelas Radiofonicas Populares del Ecuador** 5010.3 p/d 2 page computer generated ltr. in 58 ds. for a SP rpt. and ms. v/s Juan Perez Sarmiento, Director Ejecutivo. I also rcvd. agricult-



ural stickers mentioning that they produce veggies grown w/o chemicals. I love it as I am an organic farmer! (Martin-CA).  
Radio Stereo Carrizal 3260 p/d 1tr. w/ photo and business cd. in 1 mo. for a SP rpt. and \$1.00.

v/s Ovidio Velasquez Alchundia. (Grace-DC).

**EUROPEAN RUSSIA: Voice of Russia** 5940 via Armavir f/d cd. in 106 ds. (Humenyk). f/d "Peoples Friendship" cd. in 6 wks. (Barto). 6110 f/d cd. in 10 wks. (Ondrechen-MA). 11675 via Kenca f/d cd. in 3 mo. (Barto) 11980 via Serpukhov f/d "Kremlin" cd. in 3 mo. (Barto). 5905 via Kalinigrad f/d cd. in 156 ds. for 3 IRCs. v/s Mikhail Timofeyev. (Paszkiwicz). 9890 via St. Petersburg f/d cd. in 53 ds. (Humenyk). 13370 via Kazan f/d cd. in 3 mo. This freq. was QSLed in 1988 as RKU72 w/ site as Moscow. (Barto). 9820 via St. Petersburg f/d cd. in 143 ds. w/ GPR-2 sked. (Kusalik). Golos Russia 5905 via Kalinigrad f/d cd. in 143 ds. (Kusalik). Radio Rossi 12045 via Popovka f/d cd. w/ sked. in 5 wks. (Barto).  
 \* RWM 9996 Russian State Time Signal Station f/d yellow/white cd. in 64 ds. for 2 IRCs. (Kusalik-ALB).

# WRFW

RADIO FREE WISCONSIN

Chris Labl HAS PESSED UP TO HEARING US ON THE AIR. AT 3:32 UTC ON 1-19-1995. LOOK FOR US AGAIN ON 48 METERS, ASSUMING OUR TRANSMITTER DOESN'T HAVE A MELTDOWN!

**NOTES:** Jill Dybka checks in with some illustrations for the Column. Her semester is over and she is looking forward to some good DXing...Thanks for the postcard of the Grand Ole Opry...Sam. Denis Pasquale has sent out some taped reports to LNBS, Radio Cora and Radio Nacional Colombia. Hope they answer. They should...Sam. Terry Jones writes us from Plankinton, SD. He works for a construction company and is usually on the move in the summer months. He says that he encloses postcards with his reception reports. Local flavor items such as postcards of Indian art works go over quite well. Its always good to send something of interest with the reports. Good going...Sam.

GREETINGS TO LISTENERS  
 Q. S. L. CARD  
 SRI LANKA BROADCASTING CORPORATION  
 COLOMBO 7, SRI LANKA



Confirming your reception report of our transmission on frequency 75425 KHZ in the 19 Metre Band at 0930-0400 hrs. GMT on EVERY DAY. Thank you for your report. Yours sincerely,

POST CARD

via Ross Comeau

**GERMANY: Bayerischer Rundfunk**

6085 p/d "Rainbow" cd. w/ station brochure in 23 ds. for \$1.00. (Dybka-TN). Radio Bremen 6190 f/d cd. in 2 1/2 wks. Personal note and stickers were rcvd. (Schwartz).

Sudwestfunk 7265 p/d cd. in 2 wks. for a GM rpt. and a phone call!

**GHANA: GBC** 3366 f/d cd. (Schwartz) in 2 mo. for 1 IRC. (Pappas-SD).

**GREECE: Voice of Greece** 17520 f/d "Halkioiki Macedonia" cd. w/ schedule in 156 ds. (Humenyk). Radio Station Makedonia 9935 via Thessaloniki f/d "Tower w/ Headphones" cd. in 96 ds. w/ stickers. v/s D. Keremides, Director of Engineering. (Humenyk-ONT). (Field-MI).

**GUAM: KSDA** 9530 f/d cd. w/ sticker, pennant and schedule in 2 wks.

**HUNGARY: Radio Budapest** 5970 via Diod f/d cd. in 39 ds. (Humenyk-ONT). 6110 f/d "National Costume" cd. in 66 ds. (Humenyk). 7220 via Szekesfehervar f/d cd. w/ sticker and schedule in 114 ds. (Humenyk). 5965 f/d "Budapest" cd. in 142 ds. (Pasquale-PA).

**ICELAND: ISBS** 13860 f/d cd. in 20 ds. for 2 IRCs. (Martin-CA).

**INDIA: All India Radio** 11620 via Bangalore f/d "Camel Races in Jaisalmer" cd. in 207 ds. w/ schedule. (Humenyk-ONT).

We thank you for your report on the reception of our transmission from LANCERS GAP (100kw)



Date: 18/04/85  
 Time: 0455-0530 GMT. UT  
1255-130 local  
 Frequency — 237 metres 60 metres

891 KHZ 4800 KHZ  
 LESOTHO NATIONAL BROADCASTING SERVICE

Mr Richard E. Hankison  
3209 W. 77th Street,  
Etatite Village KS 66208

**ISRAEL:** Kol Israel 11603 f/d cd. in 103 ds. w/ schedule. (Humenyk). 15640 f/d cd. in 23 ds. for 1 IRC.(Pappas).

**ITALY:** RAI 17780, 21710, 21535 and 21520 f/d cd. in 2 mo.(Barto). 15340, 9710 and 11800 f/d "Tramonto" cd. in 5 wks (Barto). 17870, 15320 and 9710 f/d "Fontana del Quattro Fiumi" cd. in 5 wks. w/ schedule.(Barto-CT).

**KOREA, PEOPLES REP. OF:** Radio Pyongyang 11700 f/d cd. in 7 wks. w/ pennant and ltr.(Schwartz).

**LIBERIA:** ELWA 4760 f/d folder cd. in 5 mo. for \$1.00.(Ondrechen-MA).

**MALAYSIA:** Voice of Malaysia 9750 f/d "Logo" cd. in 2 mo. (Grace-DC).

**MOLDOVA:** Voice of Russia 7105 via Kishinyov f/d "Kosmos Hotel" cd. in 106



Teresina, 10 de abril de 1995  
Prezado Sr. John L. Sgrulletta  
Paz e alegria e Feliz Páscoa!

Há dias recebi a sua amável cartinha com as indicações de recepção da nossa Rádio Pioneira de Teresina. É sempre um imenso prazer saber que pessoas como você nos pode sintonizar.

Teresina é a capital do estado do Piauí. Uma cidade de 700 mil habitantes. Está no nordeste do Brasil. Uma região muito pobre, mas de um povo amável e hospitaleiro. Tenho, portanto, muito orgulho de ser dessa terra.

A Rádio Pioneira de Teresina é uma emissora da Fundação Dom Avelar Brandão Vilela. Uma criação da Igreja Católica. É, contudo, uma rádio muito aberta para o povo. É mesmo uma rádio popular. Um canal de alegria e esperança para o nosso povo.

Remeto-lhe um pequeno folder da Pioneira para você nos conhecer um pouco melhor.

Na sinceridade de irmão e amigo,

*Roberto Challico*  
Diretor

v/s Jeanne Olsen.(Grace-DC)...Thanks for the illustrations...Sam.

**NORWAY:** Radio Norway 15335 via Sveio f/d "Drinking Vessels" cd. w/ sked. and stickers. v/s Kirsten Ruud Salonen. (Humenyk)...Mark, send your QSL reports directly to me. Thank you. PS...What does via K.D.S. mean?

Radio Danmark n/d cd. in 1 mo. w/ sked. for 2 IRCs.(Schwartz-NC).

**PAKISTAN:** Radio Pakistan

15675.1, 13590, 11570 and 9470 f/d ltr. w/ sticker in 3 mo. v/s Syed Abrar Hussain, Senior Broadcast Engineer. (Barto-CT).

**PAPUA NEW GUINEA:** Radio Simbu 3355 p/d ltr. w/ prepared cd. in 43 ds. for a taped rpt. and \$1.00.(Klinck-NY).

Radio Madang 3260 p/d ltr. in 60 ds. for a taped rpt. and \$1.00. (Klinck-NY).

more to follow...Sam.

#### QSL

#### RADIO UNIVERSIDAD DE SONORA

Es un sistema de comunicación integrado por dos estaciones de radio XEUS, A.M. y XEUDS, onda corta en banda Internacional da 49 metros y un canal abierto de televisión XHUS-TV, Canal 8, a través del cual la Universidad de Sonora se apoya para cumplir sus funciones sustantivas de docencia, investigación, difusión y preservación de la cultura.

#### RADIO UNIVERSIDAD DE SONORA

Is a system of communication formed by two radio stations, XEUS AM and XEUDS SW 49 m. International Band and an open T.V. Channel, through which the University of Sonora accomplishes its substantive functions; Teaching, research and transmission and preservation of culture.

XEUS 850 KHZ. 1000 WATTS  
XEUDS 6115 KHZ. 1000 WATTS 49 MTS.

Apartado Postal No. 1817 C.P. 83000  
Hermosillo, Sonora, México.



Nombre: Jill Dybka  
Dirección: 803 7th St. #30  
Ciudad: Westville Tenn.  
371-5804 - U.S.A.

**PERU: Radio Quillabamba** 5025 f/d prepared cd. in 2 mo. for a SP rpt. and \$1.00. v/s P. Francisco Panera, Director.

(Grace-DC). **Radio Cora** 4915 p/d cd. w/ ltr. and stickers in 47 ds. for a SP rpt. and \$1.00.

v/s Juan Ramirez Lazo. (Paszklewicz). **Radio**

**Atlantida** 4790 n/d penpal ltr. w/ a large tourist poster and travel guide in 1 mo.

for a SP rpt. This was from the daughter of the Gerente. I'll have to get married to get

a f/d QSL out of this one! (Grace-DC)... We gotta do what we gotta do.... Sam. **Radio Ilucan**

5620 p/d ltr. in 42 ds. for a SP rpt. and \$1.00.

v/s Jose Galvez Salazar. (Paszklewicz). **Radio Tac-**

**na** 9505 f/d ltr. w/ stickers

in 45 ds. for a SP rpt. and

\$1.00. v/s Yolanda Vda. de

Caceres. (Paszklewicz).

**PHILIPPINES: VOA** 15160 f/d "Yellow-

stone" cd. w/ schedule in 6 wks.

(Barto-CT). 9760 f/d "Badlands"

cd. in 5 wks. (Schwartz-NC).

**PORTUGAL: Radio Portugal International**

9705, 9635, 9570, 11840 and 9555 w/

**Pegoes** f/d "Map" cd. in 5 wks. w/ ltr.

schedule and stickers. (Barto). 21655 and

11975 f/d "Map/Ship" cd. w/ schedule and

sticker in 5 wks. (Barto-CT).

**RUSSIA: Universal Life** 15105, 15290, 11870, 11675

and 11630 f/d cd. w/ schedule and sticker in 1

mo. (Field-MI).

#### VERIFICATION

We are pleased to verify your reception of World Harvest Radio:

Date Oct 10 1972

Time 0330 UTC

Freq 7315 KHZ

via Weissborn

Thank you for your report.

Loren Holycross  
WHIRL Engineering

STUDIO TRANSMITTER:  
P.O. Box 12 Noblesville, Indiana  
South Bend, IN U.S.A.  
46624 U.S.A.

Thank you for your reception report of RADIO ULAN BATOR's broadcast, which we've checked and found correct as follows:

Mr. Tom Roberts  
Date of reception January 7, 1980  
Time 1444 - 1453 GMT  
Frequency 12070 kHz

We're happy to send you this QSL Card with greetings and good wishes from all of us at RADIO ULAN BATOR.

**ROMANIA: Radio Romania International** 11940 f/d cd.

RADIO ULAN BATOR in 107 ds. (Washburn-ME). 5990

C.P.O. Box 365 and 7195 f/d cd. w/ ltr. and

ULAN BATOR, MONGOLIA schedule in 92 ds. (Humenyk).

**RTR-1** 7225 f/d "Folk Cost-

ume" cd. w/ schedule (Kusalik-ALB).

**SAINT HELENA: Radio St. Helena ZHH** 11092.5 f/d

cd. in 209 ds. w/ ltr. v/s Tony Leo. (Owsley)

**SAIPAN: KFBS** 9670 f/d cd. in 6 wks. for \$1.00.

personal ltr. and schedule rcvd. (Schwartz).

**SAUDI ARABIA: BSKS** 11935 **Holy Quran Program**

f/d cd. w/ schedule and postcards in 3 1/2

mo. via registered mail. v/s Suliman A. Al Sam-

nan, Director. (Kusalik).

**SICILY: RAI Caltanissetta** 6060 f/d "Giovanni

Omiccioli: Tramonto" cd. in 80 ds. for a

taped rpt. (Washburn-ME).

**SLOVAKIA: Adventist World Radio** 5940 via **Rim-**

**avska Sobota** f/d "Morse Code" cd. w/ ltr.,

schedule, newsltr., calendar and rpt. forms

in 3 1/2 mo. v/s Iris Manuela Brandl. (Kusalik).

**Slovak Radio** 7300 f/d cd. in 23 ds. (Pasqua-

le-PA). 5930 f/d cd. in 32 ds. for \$1.00.

**SOUTH AFRICA: Channel Africa** 3220 (Owsley-CA).

and 5955 via **SENTECH** 2 f/d cds. in 1 mo. (Kusalik)

**VERIFICATION SIGNERS: Radio Imagen** 4970 Miss Edith Chumbe

Vasquez, Secretaria. **Radio America** 6010 Mrs. Karen

Crousillat Carreno, Gerente General. & Miss Liliana

Sugobono, Secretaria. **Radio Santa Cruz** 6135 Miss Maria

Yolanda Marco, Secretaria. **Radio San Gabriel** 6085 Jaime

Arehondo, A., Director Ejecutivo. **Radio Alvorada**

4965 Mrs. Raimunda Ribeiro da Silva, Directora Gerente,

**Radio Gazeta** 5955 Miss Solange Serda, Secretaria

Gerente General. **Estereo Carrizal** 3260 Ovidio Velasquez

A., Director. **Radio Federacion Sinar** 4961 Agrote-

quario Manuel Jesus Vinza Chacucuy, Director. **Radio**

**Moldova International** 9550 Vassilio Stasi...via Play DX





**RADIO FREE EUROPE**  
**RADIO LIBERTY**  
FEDERAL INCORPORATED  
GETTING BETTER BY AN HOUR EACH DAY  
WAZOZ MARCH 22, 020000

Front shows transmitter station in  
Gloria/Portugal - 38.45N 8.40W

We are pleased to verify your  
reception of RL - Ukraine

RFE - RL - RFA transmission

Date: 1/12/95 0412-0500

Frequency: 7245 KHz  
2 m KHz

Transmitter site:

|                     |                        |                      |
|---------------------|------------------------|----------------------|
| Biblis / Germany    | Holzkiirchen / Germany | Lampenheim / Germany |
| x Gloria / Portugal | Maxoquelra / Portugal  | Pals / Spain         |

To:

Jill Dybka  
Nashville, TN

**SPAIN: Radio Exterior de Esp-  
ana** 9620, 11815, 9540 and  
6125 f/d "Barcelona Cate-  
dral" cd. w/ schedule in  
3 mo. (Barto). 9875, 17845,  
12035 and 11815 f/d "XXV  
Olimpiada" cd. in 7 wks.  
(Barto-CT). 11880 and 7275  
f/d "Palacio Musica" cd.  
w/ sticker in 2 mo. (Barto)

**SRI LANKA: Trans World Radio**  
\* 6035 via Puttalam f/d cd.  
w/ site and verie ltr. in  
4 mo. for \$1.00. Schedule  
was rcvd. v/s D.R. Halli-  
day, South Asia Frequency  
Co-Ordinator. (Kusalik-ALB)

**SYRIA: SARBS** 12085 f/d cd. via registered mail w/ ltr. and schedule w/ a  
copy of the Syrian Times newspaper. This in 3 mo. after a f/up rpt.

**TAHITI: RFO Tahiti** 15167 f/d "Logo" cd. (Ondrechen-MA).  
in 43 ds. for \$1.00. v/s L. Squin, Directeur. (Martin)

**TAIWAN: Voice of Free China** 5950 f/d cd. w/ ltr. and  
schedule, sticker, flag sticker in 38 ds. for 2  
IRCs. and \$1.00. (Jones-SD). 9610 f/d cd. in 1 mo.  
for \$2.00. (Rausch-NJ). f/d "Cloisonne Pitcher"  
cd. w/ schedule and sticker in 16 ds. (Dybka-TN).  
7130 f/d cd. in 26 ds. w/ newspaper and sticker  
for \$1.00. (Owsley-CA). f/d "Artware" cd. in 1 mo.  
w/ postcard and stickers. (Field-MI).

**TAJIKISTAN REP: Voice of Russia**

4740 via Yangi-Yul cd. in 54  
ds. for 2 IRCS. Used RS stamps  
on the envelope. (Kusalik). **Radio**  
**Nederlands** 5905 f/d cd. in 2 wks

**THAILAND: Radio Thailand** (Field-MI).

7145 f/d cd. in 44 ds. for ms. v/s  
Mrs. Amporn Samosorn. (Pappas-SD).  
11905 p/d "Masked Play" cd. in 2 mo.  
w/ schedule for 3 IRCS. (Schwartz-NC).

11890 f/d "Stamps of Thailand" cd. in 38 ds.



**NOTES: Franz Schwartz Jr.** says that he always reads the QSL Column as soon as  
he receives the bulletin. Franz is somewhat bothered by the number of pir-  
ate illustrations and QSLs as they appear in the Column... and to some de-  
gree I agree with him. Nobody ever questioned it before. Should there be a  
separate section headed by a pirate enthu-  
siast? I would support such a move... Sam.

w/ personal ltr. and schedule for  
\$1.00. (Owsley-CA).

**TURKMENISTAN: Turkmen Radio** 5010 n/d ltr.

in RS in 2 mo. for a taped rpt. and \$2.00.

**USA: KAIJ** 15725 f/d cd. in 222 ds. (Rausch-NJ).

after 2 f/up rpts. for SASE. (Klinck-NY).

f/d "Watch Tower" cd. in 41 ds. v/s Fred

Bithell. (Kusalik). 15725 and 13815 f/d cd.

in 3 mo. (Barto-CT). **WRMI** 9955 f/d "Beach

Scene" cd. in 83 ds. w/ schedule. (Pasquale)

f/d cd. w/ tourist brochures in 104 ds. for

SASE (used). (Dybka-TN). **WHRI** 9495 f/d sked.

in 5 wks. for SASE. v/s Loren Holycross.

(Jones-SD). 5745 f/d cd. w/ sked. in 85 ds.

for \$1.00. (Dybka-TN). **WRNO** 15420 p/d cd. in

1 mo. for 2 IRCS. (Thow-QUE).



ONDR CORTR 5.020 KHz



ARMADA ARGENTINA  
OBSERVATORIO NACIONAL  
BUENOS AIRES  
REPUBLICA ARGENTINA

SERVICIO DE FRECUENCIAS PATRONOS DE L O S L  
Service of Radiofrequency Standards L O S L

— RSL —

Recibido Richard A. Damascus

Resistencia es idioma sobre la recepción de boletines recibidos de frecuencias patronos  
We received your report on the reception of our standard frequency signals  
a hora, estación de las 12 MAR 1990 referencias en minutos y  
una hora indicada en una hora. We thank you for your reporting and  
si facilitado por un eficiente recepción nos complacemos en solicitar más sus  
comentarios por en las oficinas de your reception. Very truly yours.

Buenos Aires, abril 16 de 1990.



f/d cd. in 57 ds. w/ schedule for 2  
ms.(Owsley-CA). 15420 same in 52 ds.  
for SASE.(Jones-SD). WYFR 7355 f/d  
cd. in 13 ds. w/ calendar and stick-  
er.(Humenyk). 6065 f/d "Staff" cd.  
in 2 mo. for 2 IRCs.(Thow). WSHB  
7535 and 9430 f/d cd. in 10 wks. v/s  
Judy P. Cooke. (Ondrechen-MA). 7535  
prepared f/d cd. in 6 wks.(Jones-SD).  
KVOH 17775 n/d handwritten personal  
ltr. w/ sticker and station booklet  
in 19 wks. for ms. v/s Edward Thomas.  
(Ondrechen). VOA 7215 f/d "Annapolis"  
cd. in 12 ds. for ms. Unusual as the  
transmitter site note read "Via:  
Cannot Verify" (Pappas). 15580 via  
Greenville f/d "Badlands" cd. w/  
schedule in 7 wks.(Barto-CT). Universal Life  
13760 via WHRI f/d cd.  
in 1 mo.(Field-MI). Voice of the OAS  
9670 f/d cd. w/ pennant and maga-  
zine in 32 ds.(Dacus).  
USA (Pirates): WKND 7415 f/d sheet  
w/ nice ltr. and lots of station info.  
in 10 wks. for \$1.00.(Ondrechen-MA).  
Radio Garbanzo 6955 f/d ltr. in

**RADIO LIBERTAS**

**NOTES:** Benton Owsley sent in some new QSLs  
for the Colum. We can use all of them.  
Keep your reports flowing...Sam. Mary Jo Ondrechen  
was especially happy with her QSL from Damascus.  
She is going to send them a big thank-you and  
a few goodies. This was her 99th country to be  
verified. Hope number 100 is easy to obtain...Sam.  
Denis Pasquale was pleased with the QSL from  
Radio Nacional Columbia 4955. He sent them a  
taped report. Not too much luck with taped  
reports to Central and South American stations.  
Don Dacus sent along an RCI sticker. Thank you...Sam.



120 ds.(Kusalik-ALB).  
VATICAN: Radio Vatican 11625 f/d cd. in 3 wks.  
(Schwartz-NC). 6095 f/d cd. in 2 mo. for 2  
IRCs.(Thow).  
VIETNAM: Voice of Vietnam 9840 f/d "World Map"  
cd. in 39 ds. for \$1.00. Sticker and pennant  
rcvd. (Owsley-CA).  
WEST IRIAN: RRI Sorong 4874.6 p/d ltr. w/  
postcard and staff photos in 51 ds. via registered  
mail for an IN rpt., tape and \$1.00. Also rcvd.  
a tape of beautiful IN music.(Klinck-NY).  
ZIMBABWE: ZBC Radio 2 3306 p/d large cd. in 74  
ds. for \$1.00.(Dybka-TN).

**NOTES:** Jill Dybka has recently tried for better  
responses by sending taped reports. Can't wait to see  
what happens. Nick Grace checks in by saying that  
he enjoys reading the Colum. Lots of great QSLs.  
Jerry Klinck's thoughts of QSLing has taken a  
back seat to a family reunion. Kick those folks  
out and get back to the dials!...Sam.



That's about it for yet another QSL  
Colum. See you all next month with  
another interesting QSL Colum.

*Sam*

# English Schedules

Tom Sundstrom

PO Box 2275

Vincenstown, NJ 08088-2275

Fax 609-859-3226

Internet: T.SUNDSTROM@genie.geis.com

Prepared 6/22/95.

Thanks to Adam Lock (WWCR), Denis Pasquale (PA), Jonathan Marks (RN), Jim Renfrew (NY), Andy Sennitt (WRTH) and Giovanni Serra (Italy).

Armenia: Araks Radio and R Yerevan is now the Voice of Armenia. Best bet in NAM is 2030-2100 on 11920.

Israel: At 04-0415, Kol Israel is on 9435 and 7465 (ex-7435). From July 1, the 10 UT release is being dropped and the 19 release expands to 30 minutes.

Jordan: R Jordan's new 19m frequencies are doing very well to NAM. 15170 11-12 and 15270 14-1630 replace the old 31m outlet.

Russia: Giovanni Serra faxed The Voice of Russia's English to Europe schedule, but in checking it out this deserves a reality check. Based upon the schedule and my observations here, in my opinion the best bets for at least cNAM are 15400 (ex-15105) 16-20, 11675 16-17 and 18-21, 11730 and 7350 21-22, and 9530 2130-23. 11630 16-22 is not quite as good here, suffering at times adjacent-and/or co-channel interference. During the evening (assumed for NAM) I find 9620 is usually best 01-04 even though REE is underneath, and 9665 is good 03-04.

Thailand: At 0030 and 0300 to NAM, the Udorn relay of R Thailand has shifted to 15370. I find it difficult to hear due to WEWN on 15375 at 0030; at 03 there is no propagation even if WEWN were silent.

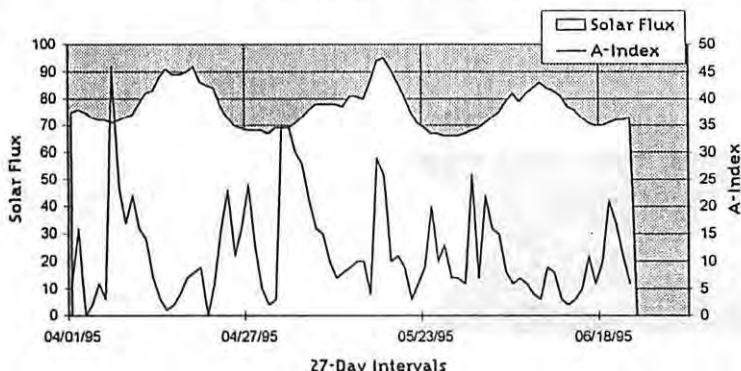
USA: The *World of Radio* schedule is as follows. WWCR Fr 2115, Sa 0600, Su 0930, Su 2300 and

Tu 1230. WHRI Fr 2229, Sa 0501, Sa 1629; KWHR Sa 1629, Mo 0330. By the way, the reason why WWCR was off the air on 7435 in early June was that rain affected the VSWR on the antenna and the #6 wire on the rhombic overheated, then broke. WHRI's revised schedule after a frequency swap with the VOA: Angel 1 18-13 9495, 13-18 15105; Angel 2 23-10 5745, 10-15 6040, 15-23 13760.

Medium wave: Following up the item last month, Denis Pasquale of New Brighton, PA, sends a fax and Jim Renfrew of Rochester, NY, sends a postcard identifying the station on 540 kHz relaying the BBC WS heard in May while we traveling west of Cumberland, MD. WWCS, Canonsburg, PA, about 25 miles south of Pittsburgh on I-79, relays the BBC via a satellite feed. The BBC WS is aired Mon-Fri 6-11 a.m. and 3-6 p.m. Eastern; the Arab Network of America from Washington, DC, fills the mid-day period. Denis sometime hears the station at his work location some 40 miles north of Canonsburg. Jim hears the station in Rochester from time to time, and says the power is 5 kw day, 500 w night. Thanks, Denis and Jim!

Propagation: Despite the bottom of the solar cycle, the short June nights have produced good high-frequency nighttime reception on the high 90'-up antenna. Examples include UAE on 15400 at 0300, V of Russia Far East relays on 15180 and 15580 through 05, Ukraine on 11980 at 0330 and the usual Australians. With the SW-100 on the bed-side stand, RNZI on 15115 has been good enough to listen to while falling asleep, and is quite strong on 6100 around the time I get up shortly after 10 UT. It pays to listen up...

## SOLAR FLUX & A-INDEX: APR-JUN '95



# Tropical Band Loggings

**Sheryl Paszkiewicz**  
1015 Green Street  
Manitowoc, WI 54220



PO Box 152, Manitowoc, WI 54221. I am very sorry to report the untimely deaths of JOHN SCHMID, our distributing editor, and fellow DXer MICHAEL GOETSCH, both of whom were at the Winter SWL Fest. Look elsewhere in this Journal for news of any possible replacement for John. Otherwise send loggings directly to me and Wally. A shortened column this month, therefore:

- 3300 GUATEMALA R Cultural 6/7 1000 SP rel mx, Bible readings (Leeman-RI) 4/30 0616 SP ID, rel mx (Grenier-NV)
- 3375 BRAZIL R Educadora 4/11 0550 PT 5 kW, poor (Pinto-NY)
- 3390 SIKKIM AIR Gangtok 5/24 \*1230 EG nx, SC vcls by OM, ID (Ryan-THAILAND)
- 3925 JAPAN R Tampa 5/1 1304 JP pop mx, fast tlk by M (Grenier-NV)
- 3945 JAPAN R Tampa 5/1 1245 JP pop mx, some ARO QRM (Grenier-NV)
- 3955 HUNGARY R Budapest 5/26 1916-1927 EG feature on culture, ID mx, DX pgm //7130 & 9835 (Serra-ITALY)
- 3987t IRIAN JAYA RRI Manokwari 5/1 1254 tlk, poss nx in lang (Grenier-NV)
- 4005 VATICAN Vatican Radio 5/24 1914 IT nx w/correspondents, Spazio Aperto pgm, mx pause, IS //5885 (Serra-ITALY)
- 4010 KYRGYZSTAN Kyrgyz Radio 6/3 1440 RS ballads, YL host (Ryan-THAILAND)
- 4505 PERU R Horizonte 5/13 0500 lang, weak w/static (Pinto-NY)
- 4755 BRAZIL R Educacao Rural 3/13 0030 PT Brasopops by OM, fair (Humenyk-ON)
- 4770 NIGERIA R Nigeria Kaduna 3/31 2214 EG mx by OM, p-f (Humenyk-ON)
- 4780 DOMINICAN REPUBLIC Onda Musical 3/13 0034 SP cmtry, mx by OM duo, good (Humenyk-ON)
- 4782.8 MALI RTM 5/21 1938 FR long speech, Afr instls, anmts, nx w/correspondents //4835, f-p (Serra-ITALY) 3/31 2303 FR OM w/nx, fair (Humenyk-ON)
- 4805 BRAZIL Rdf Amazonas 3/13 0041 mx by OM, fair (Humenyk-ON)
- 4810 ARMENIA R Yerevan 5/18 1740 EG ID, "This is Yerevan" nx re Nagorno-Karabakh 1800 in lang //7480 (Ryan-THAILAND)
- 4810 SOUTH AFRICA R 2000 3/13 0043 mx, EZL ballads, good (Humenyk-ON) As mentioned last month, now on 3320--sp.
- 4820 HONDURAS HRVC 3/13 0046 cmtry by OM, good (Humenyk-ON) 5/2 0454 SP tlk, W singing (Grenier-NV)
- 4825 GUATEMALA R Mam 3/31 2306 SP cmtry, mx bridge, etc., fair (Humenyk-ON)
- 4830 VENEZUELA R Tachira 3/31 2310 SP cmtry, mx, fair (Humenyk-ON)
- 4835 GUATEMALA R Tezulutlan 3/13 0146 SP preaching by OM, exc. (Humenyk-ON)
- 4845 GUATEMALA R Kekchi 3/13 0150 SP cmtry by OM, good (Humenyk-ON)
- 4845 MAURITANIA ORTM 5/21 1959 FR lcl guitar mx, M anmts, ID, nx mx pause, fair (Serra-ITALY)
- 4870 BENIN ORTB 3/31 2108 FR cmtry, p-f (Humenyk-ON)
- 4870 SHRI LANKA SLBC 5/25 1530 Sinhala? TP ID, nx promos, SC mx (Ryan-THAILAND)
- 4875 BRAZIL Super Radio Roraima 3/13 0153 PT mx, brief cmtry, fair (Humenyk-ON)
- 4875 SOUTH AFRICA VOA Relay 5/15 1845 "Daybreak Africa." (Ryan-THAILAND)
- 4910 HONDURAS LV de la Mosquitia 3/13 0159 SP preaching, fair-good (Humenyk-ON)
- 4915 GHANA GBC 3/12 2144 EG/lang mx by group, poor (Humenyk-ON)
- 4920 ECUADOR R Quito 3/17 0202 SP cmtry, mentioned BBC, good (Humenyk-ON)
- 4930 HONDURAS R Internacional 3/13 0202 SP mx, TC, ID, good

- (Humenyk-ON)
- 4940 INDIA AIR Guwahati 5/15 1530 EG nx, lcl mx & pgm, IDs, 1600 drama (Ryan-THAILAND)
- 4950 KASHMIR R Kashmir Srinigar 5/20 1530 EG nx, lcl mx, drama IDs, muffled audio, IDs tough (Ryan-THAILAND)
- 4955 BRAZIL R Marajoara 3/13 0206 PT mx by group, OM w/voice-over good (Humenyk-ON)
- 4980 VENEZUELA Ecos del Torbes 3/13 0213 SP mx, ads, good (Humenyk)
- 5003.7 RIO MUNI R Nacional 5/21 2010 in lang w/lively speech & chant w/lcl percussion, fair (Serra-ITALY)
- 5005 NEPAL R Nepal 5/23 1415 EG nx, wx, Nepal economy (Ryan-THAILAND)
- 5015 TURKMENISTAN Turkmen Radio 5/11 1645 weird Turkmen songs 1700 IS, ID, nx by OM (Ryan-THAILAND) 5/26 1936 TK chant w/ instl mx, ID, tlk, poss nx, fair (Serra-ITALY)
- 5020t CHINA Jiangxi PBS 5/14 1328 CH folk mx & poss ID (Grenier-NV)
- 5020 ECUADOR LV del Upano 3/10 2330 brief cmtry by YL, mx by OM, fair (Humenyk-ON)
- 5025 CUBA R Rebelde 3/13 0220 SP cmtry by 2M, good (Humenyk-ON)
- 5026 UGANDA R Uganda 5/17 2008 lcl chorus chants, no tlk, in USB to avoid het, f-p (Serra-ITALY)
- 5030 COSTA RICA AWR 3/13 0223 SP cmtry, good (Humenyk-ON)
- 5035 KAZAKHSTAN R Kazakhstan 5/16 1700 IS, ID in lang, nx, EG 1730 w/features on Kazakh's living abroad //5960, 5905nf (Ryan-THAILAND)
- 5040 GEORGIA Georgian Radio 5/28 1750 GE drama, xmtr problems, 1830\* w/ID, Georgia Radio //4875 (Ryan-THAILAND)
- 5045 BRAZIL R Cultura do Para 3/13 0226 PT mx, brief cmtry, more mx, fair (Humenyk-ON)
- 5047 TOGO R Lome 5/14 2155 FR pop songs, M anncr, mx bridge, into nx, fair w/het & fade (Serra-ITALY)
- 5050 CHINA Guangxi PBS 5/7 1309 CH tlk by W (Grenier-NV)
- 5055 FRENCH GUIANA RFO Cayenne tent 5/20 0431 FR 2M tlk, poss nx, anmts, pop song, poor (Serra-ITALY) 3/13 0229 FR cmtry, mx (Humenyk-ON)
- 5060 UZBEKISTAN R Tashkent 5/17 1959 GM tlk, lcl mx, ID, anmts, nx, pops //9540, fair (Serra-ITALY)
- 5075 COLOMBIA Caracol Bogota 5/3 0342 tlk & SP ID, anmts by M & jingles (Kaminsky-NJ) 5/20 0424 jingles, radionoticias, LA songs, ads, loteria, fair (Serra-ITALY)
- 5810 USA WWCR 4/29 0415 EG gospel //5935, fair (Humenyk-ON)
- 5825 USA WEWN 4/29 0414 UK gospel, exc (Humenyk-ON)
- 5885 VATICAN Vatican Radio 5/17 1952 EG Pope speech w/cmtry, // AM freqs, fair (Serra-ITALY)
- 5888 BRAZIL SRI 5/2 0100 EG world nx, discussion on IRA & Jerry Adams' A Look at the UN 1995 (Jordan-PA)
- 5890 BULGARIA R Bulgaria 4/29 0412 BG cmtry, folk mx, fair (Humenyk-ON) Are you sure this wasn't Croatia?
- 5895 CROATIA Croatian Radio 4/27 2250 CR taped speech //7370 poor (Humenyk-ON)
- 5895 PERU R Paucartambo 4/6 1012 SP OM DJ w/native mx & frequent IDs (Ducharme-MA)

J LEEMAN  
 PETE GRENIER  
 VINCE PINTO  
 MARK HUMENYK  
 JIM DUCHARME  
 RUFUS JORDAN  
 GIOVANNI SERRA  
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That's 6 states, 1 province & 2 countries. Next deadline July 21.

# International Band Loggings

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



- 5910 BELGIUM RVI in EG 2126\*, tlk re Olympics returning to Belgium, ID, f (Lamb DENMARK 6/1)  
 5915 FRANCE RFI in RO 2126, tlk re Bosnia, pops, ID, repl 5900 this hr, //7135 (Lamb DENMRK 6/1)  
 5925 ESTONIA Estonian R in EG 1915, interviews, book review, sked, the Arts (Ryan THAILAND)  
 5935 LATVIA R Latvia in lang 1830-1900\*, severral ID's in EG, drama, talks (Ryan THAILAND 6/6)  
 5975 ANTIGUA BBC relay in EG 0500/2230, nx, drama, "Pen Pals" (Brewer KS 5/25, Fraser MA 5/6)  
 5980 CZECH REPUBLIC R Ropa in GM 1510, ads for cars, ID, slogan, nx, pops (Lamb DENMRK 6/4)  
 6000nf HUNGARY R Budapest in EG \*0100, IS, ID, sked, nx, bad QRM RHC s/on (Jordan PA 5/28)  
 6030 GERMANY Suddcut Rundfunk in GM 1548, election tlk, pop mx, TP, ID, nx (Serra ITALY 5/14)  
 6060 ITALY RAI Sicily in IT/EG/FR/GM 0036, opera, TC, ID, nx in 4 langs (Lamb DENMARK 6/3)  
 6075nf PORTUGAL RP in EG 0130, nx items, "Musical Kalidescope", ID, wx, g (Jordan PA 5/24)  
 6090 BRAZIL R Bandeirantes in PT 0800, flute mx, pips on the hr, ID, f (Dybka TN 5/1)  
 6100 NEW ZEALAND RNZI in EG \*0758, IS, ID, fqys, nx, sports (Lamb NY 5/21, Brewer KS 5/25)  
 6100 GERMANY Deut Welle in GM 2220, world nx, taped speech, IS, ID (Humenyk ONTARIO 4/26)  
 6130 CANADA CHNX Halifax in EG 2030, ID, oldies, ads, wx, 1st time hrd since Mar (Rausch NJ 6/3)  
 61401 BURUNDI R Dif Burundi in FR 1800, nx, ID, drums, remotes, Afr vcls, mx (Ryan THAI 5/21)  
 6145 ALBANIA R Tirana in EG \*0230-0255\*, IS, ID, nx, press review, folk mx, //7160 (Rausch 5/18)  
 6160 UNITED KINGDOM VOA relay in RS 0325, language lesson in RS/EG (Humenyk ONT 4/30)  
 6165 SWITZERLAND SRI in IT 1802, nx, ID's, jazz mx, IS, feature, //9905 (Serra ITALY 5/19)  
 6180 CYPRUS BBC relay in EG 0315, ID, sports update, "Europe Today" (Rausch NJ 6/1)  
 6185 YUGOSLAVIA RY in EG 2102, nx re anti-Yugoslavia boycotts, ID, //6100, f (Lamb NY 5/22)  
 6195 SINGAPORE BBC relay in EG 2202, nx, ID, tlk on Japan/US trade relations, p (Dybka TN 5/16)  
 7120 SWEDEN R Sweden in EG 0245, cmntry, features, ID (Hankison KS 5/21, Pasquale PA 5/9)  
 7150nf INDIA AIR Imphal in EG 0850, US pop mx, rock 'n roll, drama, nx (Ryan THAILAND 5/27)  
 7200 SUDAN Rep of Sudan R in AR 0300, IS, NA, prayers, AR mx (Hankison 5/21, Dybka TN 5/17)  
 7200 UNITED KINGDOM VOA relay in EG 0420, business rpt, C&W mx, promo (Lamb DENMK 6/2)  
 7225 SOUTH AFRICA Chan Africa in SH 0310, regional nx, native choir, ID (Hankison KS 5/21)  
 7240 AUSTRALIA RA in EG 1050, ID, financial nx of Australian stock mkt, f (Brewer KS 5/26)  
 7240nf? SOUTH AFRICA Chan Africa in EG 1542, pop songs, TP, ID, nx, QRM RAI (Serra ITALY 5/19)  
 7250nf? VIETNAM VOV in EG 0300\*, polit tlks, ID, mx, fqy, skeds, interview, g (Jordan PA 6/13)  
 7375nf BOTSWANA VOA relay in EG 2000, IS, ID, intl nx, Afr nx/views, mailbag (Rausch NJ 6/4)  
 7415nf USA WWCN Nashville in EG 0603\*, pgm promo, fqy, sked, QTH, ID, IS, g (Jordan PA 5/21)  
 7530nf? MONGOLIA R Ulan Bator in EG \*1930, IS, sked, nx, press, req rpts, QTH (Ryan THAI 5/23)  
 9400 PAKISTAN RP in FR 1958, pop songs, class mx, ID, nx in slo speed, cmntry (Serra ITALY 5/27)  
 9435 ISRAEL Kol Israel in EG 1856, IS, TP, ID, nx, //11685, 11603 (Lamb NY 5/22, Serra ITALY 5/26)  
 9445 TURKEY VOT in EG 2200, IS, ID, national & regional nx, g (McGuire MD 5/11)  
 9485nf PAKISTAN RP in EG 1400, nx, much ado on Kashmir, into lang 1410, ID's (Ryan THAI 5/22)  
 9555 SAUDI ARABIA BSKSA in AR 1924, phone conversation, AR mx, ID, g, //9870 (Lamb NY 5/21)  
 9555 THAILAND R Thailand via VOA xmtr in GM/FR/EG 2013, ID's, IS, election nx, f (Lamb 5/21)  
 9560 NORWAY RN in EG 0110, 2 Russian sailors ask for asylum, EG on Suns only (Pasquale PA 5/21)  
 9560nf? FRENCH GUIANA China R Int relay in EG \*0400, fanfare, ID, nx, tlk, //11680 (Lamb NY 6/12)  
 9570nf NEW ZEALAND RNZI in EG 0758\*, tlk re NZ gardens/problems with children, ID, IS, sports rpt, billboard, pgm on Maori life, this xmsn on Sat/Sun only (Jordan PA, Lamb NY, Brewer KS)  
 9575 MOROCCO R Medi Un in FR/AR 1849, pop mx, AR nx, ID, promo, fqy, f (Lamb DENMRK 6/5)  
 9580 YUGOSLAVIA RY in EG 0000, ID, nx, QTH, fax h's, sports nx, //11870 (Lamb NY, Hankison KS)  
 9585 CYPRUS BBC relay in RS 0330\*, world nx(p), ID "Govorit London", f (Lamb DENMARK 6/2)  
 9640 GERMANY DWelle in EG 0205, rpt on 50th anniversary of allied victory WWII (McGuire MD)  
 9650nf GERMANY R Nederlands relay in EG \*1130, nx, feature on conf on women (Lamb DENMARK)  
 9665 BELARUS VOR in SP \*0130, ID, site ID, fqy, Lat Am mx, RS folk mx (Rausch NJ 5/22)  
 9675? PERU R del Pacifico in SP 0028, song, ID, tlk, instrmls, lyrical mx, p w/QRN, QSD (Jordan 5/27)  
 9695 SWEDEN R Sweden in EG 0150, xmsn to Asia, pop mx, ID, QRT ancmt (Rausch NJ 5/22)  
 9710 ITALY RAI in EG 2208, Radio Centennial celebrations, exc (Fraser MA 5/4)  
 9710 MALI China R Int relay in EG 0300, IS, ID, world nx, national topics, f (McGuire MD 5/10)  
 9720 YUGOSLAVIA RY in EG 1840-1857\*, update on Bosnia, intl nx, sports rpt, sked (Rausch NJ)  
 9735v PARAGUAY RN de Paraguay in SP 0013, ID, fqy/target areas ancmt (Hankison KS, Kaminsky NJ)  
 9760 CYPRUS BBC relay in EG 0200, ID, Asian and Mid East mx (Rausch NJ 5/22)  
 9760 PHILIPPINES VOA relay in EG 1335, nx in slow EG, ID, feature, g (Hankison KS 5/21)  
 9770 FRENCH GUIANA Swiss R Int relay in EG 2005, intl nx, ID, national nx (Rausch NJ 5/28)  
 9770 GERMANY VOA relay in EG 1930, "Music USA Standards", //9760 Morocco (Lamb NY 5/22)  
 9840 NETHERLANDS R Nederlands in EG 0110, pgm on 50th anniv of allied victory (McGuire 5/4)  
 9850 SWEDEN R Sweden in EG 0345, ID, brief mx, interview, g, //7120 (Brewer KS 5/29)

- 9860 UKRAINE RUI in EG 0326, nx, "Close Up", ID, //9685, 9835 (Lamb NY 5/23, Pasquale PA 5/11) in EG 0000, IS, ID, nx, "Ukraine Today", g (Jordan PA 6/9)
- 9900 EGYPT R Cairo in EG 2305, mournful mx, 5 pips, nx, QTH, AR mx, muddy audio (Jordan 5/31)
- 9925 BELGIUM RVI in EG 2330, nx, wx, "Radio World", QTH, some jamming (Lamb NY 5/28)
- 9950 INDIA AIR Delhi in HD 1935, Indian songs, ID's, fqys, //11620 Bangalore, f (Lamb NY 5/21)
- 9960 LEBANON Wings of Hope in AR 0310, tlks, AR mx, ezl mx, ID, f w/QRM (Lamb NY 5/19)
- 9975nf USA KVOH Rancho Simi, CA in SP 0235\*, impassioned preaching, ID, sked (Rausch NJ 5/22) in EG 0535, relig songs, Dr Gene Scott taped pgm, vg (Jordan PA 5/21)
- 11610 UKRAINE RUI in EG 2135, "Close Up", cuntry, tlk re education, sked, IS, f (Lamb NY 5/22)
- 11680 FRENCH GUIANA China R Int relay in EG 0400, lang lessons, CH to EG, F-g (Jordan PA 5/23)
- 11685 ISRAEL Kol Israel in YD 1620, folk mx, fqy, ID, into HB 1625, g (Serra ITALY 5/14)
- 11750 MOLDOVA R Dniester Int in EG \*2030-2100\*, IS, ID, QTH, intl nx, editorial pgm, press review, skeds, interview, tlk re lcl economy, mailbag (Lamb NY 5/21, Rausch NJ 5/29, Serra ITALY 5/27)
- 11785 EGYPT R Cairo in AR 2030, domes svce, tlks in lang, US mx, pips, ID, nx, Koran (Jordan PA 6/11)
- 11865 ANTIGUA BBC relay in EG 1518, listeners' mail, into mx pgm 1530, g (Dybka TN 5/10)
- 11900 SRI LANKA R Japan relay in EG 0115, fqy, xmtr site ID, "Asia Today", mx, feature (Rausch 5/27)
- 11935 UNITED KINGDOM R Canada relay in FR/RS 1443, tlk, magazine feature, ID, IS (Lamb DEN 6/5)
- 11945 UNITED ARAB EMIRATES R Dubai in EG 0337, nx re space shuttle, wx, ID, pgm re Arab influence on West, //13675, f w/QRM (Lamb DENMARK 6/2)
- 13605 UNITED ARAB EMIRATES R Abu Dhabi in EG 2200, test tone, pips, NA, ID, billboard, sked for EG pgms, Koran readings in AR w/EG translations & cuntry, classic pop mx, f (Jordan PA 5/22)
- 13690 UKRAINE RUI in UK 1419, discussion of Ukraine & Brazil, g //21800 (Lamb DENMARK 6/4)
- 15060 SAUDI ARABIA BSKSA in AR 1405, end of nx(p), ID, ezl mx, tlks, g (Lamb DENMARK 6/4)
- 15095 SYRIA R Damascus in EG 2008, nx, ID's, AR song, "News & Views" (Serra ITALY 5/27)
- 15135 RWANDA Deut Welle relay in EG 2100, world nx, "European Journal", vg (Jordan PA 5/22)
- 15186 EQUATORIAL GUINEA R Africa in EG 2040, preaching, relig hymn, Bible study, f (Jordan 5/22)
- 15225nf PORTUGAL Deut Welle relay in EG 0650\*, "Man and Environment", instl mx, fqys for W Africa, site ID (Lamb DENMARK 6/3) ED: This looks like a possible move up from 15200 listed.
- 15240 ITALY RAI in IT 0652, discussion, instl mx, Tarzan yell cfx, wx, ID, nx, slogan (Lamb DEN 6/3)
- 15240 NORWAY R Denmark relay in EG 1700\*, ID's, song, interview, QTH, tlk w/piano (Lamb DEN)
- 15245 MOROCCO VOA relay in spec EG 1635, intl nx at slo speed, EG lang lesson (Rausch NJ 6/4)
- 15270nf JORDAN R Jordan in EG 1502, listeners' mx/call-in, quiz questions, ID (Jordan PA 5/22)
- 15395 UNITED ARAB EMIRATES R Dubai in AR/EG 1426, AR mx, drama?, ID, nx (Lamb DEN 6/4)
- 15400 ASCENSION IS BBC relay in EG 1740, ID, "Talk About Africa", African nx (Hankison KS 5/22)
- 15440 FINLAND RF in EG 1910, press review, ID's, "Media Roundup", fqy, //9730 (Serra ITALY 5/18)
- 15450 AUSTRIA RAI in GM/EG 1327, GM mx, fqys, IS, ID, "Report from Austria" (Lamb DEN 6/2)
- 15770nf INDIA AIR in Tamil/Telugu 1207, lcl mx, ancmts, ID, tlk in Telugu, f (Serra ITALY 5/14)
- 15775nf ICELAND Reykjavik in IC 1226-1300\*, nx?, IS, tlk, ment Iceland, //13860, f (Serra ITALY 5/14)
- 175151 SWITZERLAND SRI in IT 1330, "Studio Aperto" pgm, Spike Jones mx, ID, tlks (Lamb DEN 6/5)
- 17780 GABON R Japan relay in SW/IT 1100, nx, wx, ID's, features, into IT 1115 (Serra ITALY 5/14)
- 21515 PORTUGAL RDP in EG 1337, nx, wx, ID, ancmts, fqy, time & skeds, folk mx, mail (Serra 5/19)
- 21735 UNITED ARAB EMIRATES Abu Dhabi in AR 0440, AR vcls, tlk, ID's, //17855 (Ryan THAI 5/9)

NOTE: Due to the untimely and tragic death of John Schmid, our Distribution Editor, it was possible to include in this month's column only those loggings mailed directly to my QTH. I never met John in person but his buoyant and conscientious personality came through in his notes accompanying the material he sent to me. Our greatest sympathies go out to his family and friends who knew him well.

Marie Lamb had the good fortune to attend the European DX Council Conference earlier this month and got in some DX'ing while in Denmark. Thus her loggings have been marked according to her split QTH's. The following is a list of those who sent in loggings directly to me this month:

|                                      |  |
|--------------------------------------|--|
| Don BREWER, Overland Park, KS        | Sony SW77, 2 2010's, SW7600G, SW100            |
| Jill DYBKA, Nashville, TN            | DX 440, 45' random wire                        |
| Bob FRASER, Cohasset, MA             | Sony ICF 2003, SW 100                          |
| Richard HANKISON, Prairie Valley, KS | DX 390, 50' long wire                          |
| Mark HUMENYK, Weston, ONT Canada     | Magnavox D2935, Grove TUN3 tuner               |
| Rufus JORDAN, Pittsburgh, PA         | DX302, Zenith Transoceanic, indoor wire        |
| Mary KAMINSKY, Flanders, NJ          | NRD535D, random wire                           |
| Marie Lamb, Brewerton, NY            | HF150, DX392, DX375, 60m long wire, SW loop,   |
| Marie LAMB, Copenhagen, Denmark      | and MFJ16010                                   |
| William McGUIRE, Cheverly, MD        | DX380  |
| Denis PASQUALE, New Brighton, PA     | DX440, 10m long wire                           |
| Ed RAUSCH, Cedar Grove, NJ           | R5000, 2010, MFJ959, Eavesdropper, 300' dipole |
| Mike RYAN, Bangkok, THAILAND         | R8   |
| Giovanni SERRA, Rome, ITALY          | NRD 525, AD Sloper                             |

Unless a new Distribution Editor has been appointed already, please feel free to send your Internet Band loggings (5900-30000 mhz) directly to my address on the cover so as to arrive no later than the 15th of the month (i.e. posted from your QTH by the 10th to allow for mail to arrive up here)

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