

**NASA**

the  
**JOURNAL**

**NORTH AMERICAN SHORTWAVE ASSOCIATION**

VOLUME XXXVII NUMBER 8

AUGUST 1997



**RADIO PRAHA olr qsl**

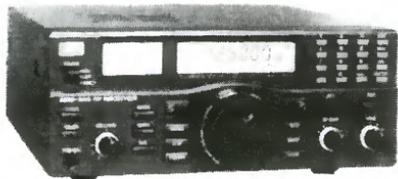


# Monitor MORE with advanced equipment from Universal Radio!

JRC

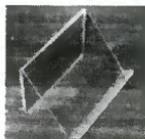
Japan Radio Co., Ltd.

NRD-345



Famous for its top-gun receivers, Japan Radio Company once again pioneers with a brand new model at a surprisingly affordable price. This incredibly attractive and compact radio delivers hour-after-hour of listening pleasure with high dynamic range and synchronous AM detection to help tame fading. Dual IF filters (6/2 kHz) are supplied, with a third optional position available. Tuning the radio is smooth as silk via the large indexed main tuning knob. The easy-to-read LCD type display shows you the precise frequency to 10 Hz! The variable Noise Blanker is effective against pulse and ignition interference. The sophisticated memory system stores 100 channels with frequency, mode, AGC, attenuator, VFO, bandwidth and NB status parameters all stored. Both memory and frequency scanning are supported. The Clock-Timer function enables the radio to turn on and off at a specific time and the clock can be set for UTC or local time. The Tone Control, AGC and 20 dB Attenuator let you refine the signal to your personal taste. Other refinements include an analog S-Meter, Tilt-Bar, Up/Down Tuning buttons, Dual VFOs and Dial Lock. Rear panel jacks include: External Speaker, Record Jack, RS232 port, FAX/RTTY Line Out and DB-25 RS-232C port. Switch selectable dual antenna inputs are featured to support both wire-type or coaxial-type lead ins. In stock now. J.R.C. NRD-345 List \$899.95 Order #03345 \*799.95 (+\$10)

GRUNDIG



Get a free Radio Stand with your YB-400 purchase from Universal.



The Grundig YB-400 is the most highly acclaimed receivers in its price class. Here's everything you want at a price you can afford. The Grundig YB-400 covers LW, MW, FM and all of SW. An illuminated LCD reads to 1 kHz on SW. Enjoy smooth SSB with fine tuning knob. Tune your favorite stations instantly with keypad entry or 40 memories. Other features include: dual digital clock-timer with snooze and dial lock. Switches for: Wide-Narrow, Local-DX and Hi-Low Tone. Supplied with six AA cells, carry case, wind-up antenna, manual and Grundig Wave Guide. A great way to get someone started in shortwave. #0040 Grundig Yacht Boy 400 New \$169.95 (+\$6 UPS)

Universal has made a special purchase of **Factory Reconditioned Grundig YB-400s**. All are in excellent, like-new condition with all standard accessories and carry Grundig's regular 1 year limited warranty.

#1704 Grundig Yacht Boy 400 Reconditioned \$149.95 (+\$6 UPS)

Get 2 FREE GIFTS ● Lucite Radio Stand (shown) with EITHER YB-400! ● DX Tips for Beginners

Visit Universal Radio on the web at: <http://www.universal-radio.com>

ALPHA DELTA VRC



The Alpha Delta Variable Response Console advanced audio processing speaker system will enhance the reception capability of any receiver. The ducted port bass reflex speaker is designed as an integral part of the system. A low distortion, low harmonic, push-pull audio amplifier outperforms the single-ended type and provides clean, crisp audio. A continuously adjustable 12 dB bass boost/cut circuit enhances bass response for high-fidelity music and reduces low frequency rumble for sharper voice clarity. The continuously adjustable sharp cutoff Sampled Data Switch Capacitor Audio Filter can be set for optimum interference reduction for AM, CW, SSB or DATA. The calibrated LED light bar shows the cutoff frequency. The Peaking circuit allows CW/DATA signals to pop-out of the noise. A fully adjustable 40 dB deep Notch circuit removes interfering heterodynes. A special circuit allows the Peak and Notch to exactly track each other. Output jacks for recorders and headphones are provided. Supplied with 12V wall transformer. VRC Order #2450 \$229.95 (+\$8)

DRAKE

SW-2



Dollar for dollar, the new Drake SW-2 has to be the best value in shortwave radio today. Here is a table top receiver, with a truly impressive array of features and capabilities, at a price that everyone can afford. Never before have you been able to get so much radio for so little money. Of course the SW-2 covers all longwave, medium wave (AM) and shortwave frequencies. Single sideband is easily tuned with separate LSB and USB positions. Amplitude modulated signals sound great through the front firing speaker. When a shortwave signal does start to fade you can engage sideband selectable synchronous tuning to stabilize and improve the signal. The capable memory system is nonvolatile and stores 100 channels (storing frequency, mode and detection). Memory recall may be accomplished by either keypad entry or by rotating the main tuning knob while in memory mode. Other refinements include: RF Gain, Tuning Bar Graphs, 100 Hz readout and Dimmer. Dual antenna inputs accept either a PL-259 coaxial or wire feedline. A mini earphone and 1/4" external speaker jack are provided. The optional remote lets you operate this radio from across the room. The oversized digital display is large enough that you can actually see the frequency from across the room. Universal is excited to offer this exceptional radio value. The reliable, American-made Drake SW-2 carries a limited one year warranty. Order #2222 \$489.95 (+\$7)

OPTIONS

- ◆ Drake MS-8 This external speaker includes a 6 foot cord with plug. #2846 \$48.95 (+\$4)
- ◆ Drake Carry-Tilt Handle This plastic handle snaps on in a jiffy. #1317 4.95 (+\$3)
- ◆ Drake MMK-1 Mobile Mounting Bracket Inverted or upright. #3032 14.95 (+\$3)
- ◆ Drake Infrared Remote Keypad #1569 48.95 (+\$3)

Operate your SW-2 from across the room! This stylish remote does it all! Tune the radio up and down, control the volume, enter frequencies, change modes, mute and even dim the display!



Universal Radio, Inc.  
6830 Americana Pkwy.  
Reynoldsburg, Ohio  
43068-4113 U.S.A.  
800 431-3939 Orders & Prices  
614 866-4267 Information  
614 866-2339 FAX  
dx@universal-radio.com  
www.universal-radio.com  
Visa, Mastercard or Discover card.  
Prices & specifications subject to change.



COMMUNICATIONS CATALOG

Universal's free 1997 100 page catalog covers everything for the shortwave, amateur and scanner enthusiasts. With informative photos and full descriptions. To request your copy please call toll-free:

1 800 431-3939

From member **Ludo Maes** we learn that the annual Transmitter Documentation Project ("TDP") publication, listing all the shortwave broadcast radio transmitters in the world, ran out of its first print quite early, but now large stocks are available again. Details such as location, geographical coordinates, number, power, name of manufacturer, type number, year of installation and year out of service are listed as well as a number of statistical information about shortwave transmitters, transmitter manufacturers, etc. Watch the Company Store ads for information on how you can obtain this publication through your club. The TDP has a home page <<http://www.ping.be/tdp/>> which deals with shortwave radio broadcast transmitters in all possible ways. At their web site, they supply information on the shortwave transmitters installed around the world with seemingly every possible detail. If you need a new or second hand shortwave transmitter, this is the place to be. If you want to sell a shortwave transmitter, this is the place to be. If you want to hire or sell airtime on a shortwave transmitter, this is the place to be. Check it out!

After a long silence of 5 years, Radio Nuevo Mundo has announced publication of a booklet exclusively for those interested in DXing stations in Latin American countries: "LA DXing." It includes information about clandestine stations, transcriptions of IDs for Latin American stations, profiles of 49 legal and illegal shortwave stations in Peru, a DX trip to La Mosquitia in Honduras, "WRTH: 50 Years and Latin America," a profile of Radio Rebelde in Cuba, and "The Last Days

### ANARC SWL Ham Net

Tune in Sunday mornings at 10 A. M. Eastern Time on 7240 LSB for the latest in shortwave, medium wave and longwave listening, DX tips, and up to the minute hobby news. Contributors share their DX tips via their own amateur radio stations or by telephoning a "gateway" station who then broadcasts the relayed tips. Contributions are also accepted via the Internet Relay Chat (IRC) channel #swl while the net is in progress. Net Controls Dave Kirby N1DK, Hausie WB4JSP, and Bob Curtis W1EXZ host an always lively gang of DX monitors. (Best heard in the eastern half of NAm) Net info is also available at <[http://www.trsc.com/swl\\_net.htm](http://www.trsc.com/swl_net.htm)>.

of Radio Impacto (Costa Rica)." Authors include **Tor-Henrik Ekblom** (Denmark), our own Latin expert **Don Moore** (USA), **Takayuki Inoue Nozaki** (Japan) and **Tetsuya Hirahara** (Japan). There are also many photographs (studios, stations, personnel, etc.) and station logotypes. This 270-page book is available for US\$20 (bills only), 20 International Reply Coupons, or JY 2,200 for airmail; international postal money orders and Postal Giro (Tokyo 00180-1-89806, Tetsuya HIRAHARA) are also acceptable, but no checks accepted. The address is: Tetsuya Hirahara, 5-6-6 Nukui-kita, Koganei-shi, Tokyo 184, Japan.

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

Our Motto is - "Unity and Friendship"

## Calendar Of Events

- Aug'97 Convention.** **WTFDA Convention** has been tentatively set for August 1-3. Convention host John Broomhall is exploring two sites: North Georgia mountains (about 75 miles from Atlanta) and in or near Metropolitan Atlanta. Activities include station tours, amateur TV demonstration, FCC Regional Field Office visit, guest speaker(s) and informal Q&A panel discussion. Further details when received.
- Aug'97 Convention.** The annual DX summer meeting of the **Finnish DX Association** will be held in Oulu, in Northern Finland. The meeting is being arranged by DX-Club of Oulu, a local branch of FDXA, on 1-3 August 1997. Further information is available from Ari Kilponen, Annantie 7 G, FIN-90560, Oulu, Finland or e-mail: ark@pp.netpl.fi
- Aug 15 Meeting.** **Philadelphia Area NASWA Chapter.** Kulpsville Holiday Inn, Kulpsville, PA at 7:30 PM. For more information contact Dan Cashin at 215-446-7831.
- Aug 15 Meeting.** **Boston Area NASWA Chapter.** The Lexington Club, Rts. 4 & 225, Lexington, MA at 7:30 PM. The location is 1/4 mile west of Rt. 128, Exit 31. For more information contact Paul Graveline at 508-470-1971 or Internet: 74007.3434@compuserve.com. Check the BADX Web Page: <http://www.grove.net/~badx/>.
- Aug 16 Meeting.** **The Miami Valley DX Club** (all band orientation) meets at 1:00 PM. For more information plus this months meeting location contact Dave Hammer at 614-471-9973 or write to MVDXC, Box 292132, Columbus, OH 43229-8132.
- Aug'97 Convention.** **NRC Convention** will be held Labor Day Weekend (Aug. 29-Sep. 1) in Delaware. Further details and information will appear when received.
- Sep 14 Meeting.** The **Tidewater SWL's** meet at 6:30 PM. For more information plus meeting location contact Joe Buch at 804-721-2782 or Internet: joseph.buch@dol.net
- Oct'97 Contest.** **1997 Adventist World Radio Contest.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1997 AWR Contest, c/o Dr. Adrian Peterson, Box 29235, Indianapolis, IN 46229.
- Feb'98 Convention.** **New Zealand Radio DX League** will hold its 50th anniversary convention sometime in February 1998. Exact dates and venue have not been established. Information from NRZDXL, P.O. Box 2956, Wellington, New Zealand. Further details and information will appear when received.
- Mar'98 Contest.** **1998 North American DX Championships.** Further information will be published in the Journal or you can send a self-addressed stamped envelope to 1998 NADXC, c/o Dr. Harold Cones, 2 Whits Court, Newport News, VA 23606.
- Mar'98 Convention.** The **11th Annual Winter SWL Festival** will be held at the Kulpsville Holiday Inn (Exit 31 on the Northeast Extension of the Pennsylvania Turnpike) on 13-15 March 1997. Organized by the infamous "gang of three" (Messrs. Brown, Cones, and Field) this all wave gathering attracts about 200 hobbyists each year.
- Apr'98 Convention.** The **35th Annual International World Wide Continental DX Association (IWWCDXA)** will be held in Tahiti at the Charlie Loudenboomer Estate on April 1, 1998 from noon until midnight. Charlie will lecture continuously during this 12-hour period on a variety of boring subjects some of which may actually pertain to shortwave radio. Registration fee is a modest \$150.00 with an extra \$50.00 charge for the traditional hamburger helper banquet. More information is available from Charlie at <cl@sucker.com>.

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

## Contribute!

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

## Musings

*This column provides a forum wheras members can express comments, ideas, and thoughts about NASWA or the SW radio hobby. Please feel free to comment on anything presented this month (or previous months). Opinions expressed here are are solely those of the submitters. Please submit all Musings to Richard A. D'Angelo, 2216 Burkey Dr., Wyomissing, PA 19610 or via email - [r.dangelo3@genie.com](mailto:r.dangelo3@genie.com)*

**Harry Helms** <[harryh@abac.com](mailto:harryh@abac.com)>

I've added a shortwave listening section with loggings page to my personal Web site. It can be accessed at <http://users.abac.com/harryh/shortwav.htm>. I hope to update the loggings page on a near-daily basis.

73,

**Bruce Conti** <[baconti@aol.com](mailto:baconti@aol.com)>, 46 Ridgefield Drive, Nashua, NH 03062-1174

The following counter-balances Paul McDonough's light-hearted report about a recent BADX meeting which appeared in the June edition of the Journal. Here are the minutes of the BADX meeting held on June 20, 1997—"The BAD Guys Aren't That Bad".

The meeting typically starts with individual's logs and highlights of other DX activities in brief, or the opportunity to ask questions, which is how Sal Capotosto got it started. Sal asked about baluns for transceiving. Tom Walsh recommended MFJ. Tom uses a G5RV 100-ft dipole with a 70-ft open wire. ARRL publications were also recommended for more info. Gary Thorburn reported that his installation of a noise-reduced sloping longwire using Mini-Circuits RF xfmr's was a success. It cut down noise nicely, including noise from the neighbor's light dimmer. It was noted that the Mini-Circuits xfmr's in the 6-pin DIP (dual in-line package) are rated for 30 mA, and are thus useful for receiving purposes only. Several BADXers expressed an interest in ordering Mini-Circuits xfmr's, and plan to make a group order to cover the \$50 minimum. DXer of the year Mark Connelly lamented the end of the "DX season" today, but was excited to get started on the new DX season tomorrow. For Mark, the DX season starts and ends with the longest day of the year. In other words, there's no such thing as the DX season. Mark reported that the low end of the MW band was hoppin', citing reception of Madeira and Morocco as examples. Organization of a group mini-DXpedition to Rockport or Rowley for a demo of MW DX on the seashore was discussed. Kevin Murray shared news of the demise of OZ DX, due to increased cost and a lack of interest from Australian DXers per an e-mail newsletter. Kevin has restored 7 out of 8 of his antennas damaged by winter storms, this time using THHN-type 12 and 14 AWG wire, supported by electric fence insulators. Kevin plans on writing an article on the hard-won lessons of antenna installation and performance. Kevin has fought his fair share of battles with nature, his 500 to 600-ft Beverages' being susceptible to lightning

strikes and storm damage. But when asked if he had to choose just one antenna, Kevin says it's the Carolina Beam over all others. Paul McDonough noted that 6955 has been alive, with reception of R. Atlantica on upper sideband, KRAP with Fred Flintstone saying hello to R. Metallica, and WPRS Providence RI. Paul also mentioned that Monitor Radio would only be on the air for another week, with 7535 carrying religious programs thereafter. A new clandestine, Voice of Free Nigeria was heard on 11680, unknown site. And Ireland's Emerald Radio can be heard Sunday 1900 on 12160, repeated Saturday 0800 on 5070. Andy Wallace heard that Metallica is using the WJDI xmtr, and rumors are that R. Clandestine might return. Andy showed the Ten-Tec model 3030 30-m CW transceiver which he built from a kit in about a week at a leisurely pace. Drake still has filters available for the R7. Jim Vaughn of Indianapolis was in attendance. Jim was one of the original BADXers. R. Brazzaville-4765 was one of the more interesting catches of late by Jim in the Hoosier State. Tom Walsh passed out souvenir VOA Bethany QSLs, which he picked up from John Vodenik while at Dayton.

The second half of the meeting is usually reserved for presentations. For this month's meeting, Tom Walsh provided a multimedia presentation about his recent visit to the ITU ham station in Geneva, 4U1ITU, where he was a guest operator. The ITU is considered a separate radio country. So of course, as soon as Tom went on the air, there were any number of ham operators anxious to make contact. A slide show of the facilities, a segment of his report from the June edition of the NRC DX Audio Service, and a printout from the ITU website were presented.

And that's an example of a BADX meeting from another perspective. BADX (Boston Area DXers) is a chapter of NASWA. BADX meets every third Friday of the month, 7:30 pm, at the Lexington Club on routes 4 and 225 in Lexington, MA. Meetings are informal, relaxed, always interesting and fun. While the focus is on LW, MW, and SW broadcast, anything from DC to daylight is open to discussion. Past meetings have included presentations on satellite reception by Eric Cotrell, remote-controlled Beverage terminations by Steve Byan, and a talk by Rich McVicar about work at HCJB and DXing in Ecuador. The meetings also provide an opportunity to plan other activities, such as Dxpeditions, field trips to places like the Museum of Wireless and Steam, and ride-sharing to the various national conventions. You are more than welcome to join us.

73

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

The 1972 ANARC Convention, in Wakefield, MA on July 14-16, highlighted this month's Frendx. A two page article by Don Jensen and a two-page photo spread covered the convention from beginning to end. The cover featured Jerry Berg presenting Eddie Startz with a plague. August Balbi was named ANARC Man of the Year. Ralph Perry's Shortwave Center featured an interview with G.A. Weston, Chief Monitor of the Special Listening Section, BBC Monitoring Service. Al Sizer presented "A Look at Radio Rio Amazonas" in Ecuador. Ed Shaw presented the fifth in his series about explaining darkness patterns. QSL editor Greg Calkin reports getting his own private phone number in Mexico City after 14 months of trying. Rare QSL's from Afars & Issas, Burundi, New Hebrides, as well as several rare Latins were reported. In the Log Report, Larry Magne informs members that Dan Henderson will be co-editing the column starting next month. Dan Ferguson assisted this month.

Gary Otteson <otteson@pobox.upenn.edu>

Re:John Figliozzi

An SWL friend has an acquaintance in England, who in turn has a friend working at BBC World Service. When the BBC person heard of some Yanks regularly listening to the BBC via Shortwave she was reportedly stunned, exclaiming surprise and delight that someone over here actually listened to World Service rather than CNN. Your suggestion that ANARC take up the fight as a listener's union, if you will, is an excellent one. I don't know what the membership count is, but individual contacts and QSL requests cannot possibly give these stations and their sponsor governments a sense of the listenership out here. One reads regularly that receiver sales are growing worldwide, particularly here in the United States, yet against all evidence governments, dazzled by elitist technologies, insist that it is a dying medium. And this despite the fact that, as Noam Chomsky has pointed out, the majority of human beings have never made a telephone call. I am reminded of the excitement created by plans to distribute free Bayless radios to third world populations until now utterly dependent on the ambitions of local warlords. HDTV is going to be a long time coming to most of the world. I think it is time for ANARC to become active, even political, in the service of basic common sense. As recently witnessed in Australia, careerists with agendas of their own can create a great deal of havoc when left unchecked. So as they say in chess: Check.

Thanks,

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

I'd like to comment on a couple of things I saw in the July NASWA Journal.

To Wild Bill Crookham: this is not a new policy of the VOA, it dates back at least to the end of World War II. It is only because of the massive cutbacks at the VOA that the ruling has finally been enforced. Even Joe Costello, when he started up his WRNO Worldwide shortwave station had to tell the FCC that his northward beamed antenna was only for Canadian listeners. Since the VOA has ended all broadcasts to Europe, we must look for friends in Africa and Asia to get any information and skeds.

To Mark J. Fine: I'm glad to see that you are continuing the 24 hour skeds. I find them very handy to carry about instead of the Passport to World Band Radio and World Radio TV Handbook. However, I would not expect to see this monthly, it is too work extensive for what few changes take place. Rather, I would like to see such a listing in June and in December when, it is hoped, all major changes to world radio have taken place.

As for Al Quaglieri, my only problem with his listings is that he does not include target areas.

And to John Figliozzi: do you intend to update your Shortwave Programs book you sold at Radio Shack a year ago?

**NASWA**

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

# Easy Listening

John Figliozi  
45 Algonquin Road  
Clifton Park, NY 12065-7703  
America Online: JFigliozi  
Internet: johnfig@earthlink.net

Some people say the shortwave bands are dead during the summer months. The next few pages should belie that statement!

## New on BBC World Service This Month

Listings are for the Americas/Europe stream. Days and times are in UTC. Frequencies for North America include 5965, 5975, 6175, 6195, 9515, 9590, 9895, 11750, 11865, 15220 and 17840. In a few cases, programs can be heard via the Americas/Europe stream only on frequencies intended for Europe. These are denoted with an \* and these frequencies usually are listenable in parts of North America: 15485, 12095 and 9410. Times marked with an # means that the program also can be heard in western North America via the Asia stream on 9740.

### 50 Year Anniversary of India/Pakistan Independence

1997 has been chock full of reminders for the British of their once proud global empire. At one time it was said that, "The sun never sets on the British Empire." Last month, the return of Hong Kong to Chinese sovereignty represented to some the devolution of the last significant territory of that Empire. Independence for India and Pakistan fifty years ago is now seen by many as the first act toward that eventual divestment. This month, BBC World Service offers a range of programs designed to mark that turning point.

*Beginning August 2 and 4, The Heart of India* is a series of four short stories by Mark Tully dramatised for radio. Entitled *Girlfriends*, *The Goondas of Gopingar*, *Twice Born*, and *Beyond Purdah*, the stories reflect the impact of modernisation on traditional village life. (Sat. 1901; repeated Mon. 0330)

*On August 3, Anniversary Concert* features musicians from India and Pakistan in a special concert of South Asian music recorded at London's Commonwealth Institute. Introduced by former BBC Delhi correspondent Mark Tully, the concert features leading musicians Ustad Imrat Khan and the Sabri Brothers. (Sun. 3rd 1515)

*Starting August 6*, as a prelude to each of the *Celebration Concerts* outlined below, Pervaiz Alam presents *The Stars of India* which profiles the featured artists. (Wed. 1515)

*On August 9 and 10*, BBC World Service Drama presents *The Little Clay Cart*, a romance, thriller and morality tale all rolled into one and adapted from a classic 8th century Sanskrit play by Jatinder Verma. (Sat. 2230; repeated Sun. 0530 and 1830)

*Premiering August 10* is a series of *Celebration Concerts*, also introduced by Mark Tully and originating in this and for three subsequent weeks in the Indian cities of Bombay, Madras, Calcutta and Delhi. Some of India's most distinguished performers are featured. In Bombay, Pandit Hari Prasad Chaurasis plays the flute combining folk and classical styles. From Madras, the second concert features India's most ancient and celebrated instrument, the veena, played by Ms. E. Gaayathri. One of India's new generation of singers, Ajoy Charkrabarty, performs the Calcutta concert. The series concludes in Delhi with a jugalbandi, where leading soloists perform together. Ustad Amjad Ali Khan is joined by his two sons Amaan and Ayaan Ali Bangash—all playing sarods. (Sun. 1515)

*Beginning August 11 and 12*, *Off the Shelf* presents a 20 installment reading of Vikram Seth's *A Suitable Boy*, an epic novel

and worldwide best seller. (*Mon. thru Fri. 0715; repeated Tue. thru Sat. 0345*)

On August 12 and 13, the youth program *Megamix* originates from Bombay where British born Asian Nikita Gulhane reports from his parent's city on the lives of young people there. (*Tue. 1930\*; repeated 2330, Wed. 1430*)

August 14 is Independence Day in Pakistan and August 15 is Independence Day in India. *Newshour (1300/2000)* will run live coverage of the celebrations. *Britain Today (daily 0045/2115; Mon.-Fri. 1215/1645)* will talk to the Indian and Pakistani communities in Britain about their events marking the anniversaries. *The World Today (Mon.-Fri. 1715, repeated 2230; Tue.-Sat. 0330, repeated 0930)* will report on the anniversary from a global perspective and *Outlook (14th/15th at 1405; repeated 1901\*, 2305 and 15th/16th at 0430)* features two BBC Urdu Service correspondents with two very different stories of independence from each side of the India-Pakistan border.

On August 15, *Focus on Faith* asks, fifty years later, should India and Pakistan have been divided along religious grounds? (*0230; repeated 1130 and 1830\**)

On August 16 and 17, the play *Voices on the Wind* written by Tanika Gupta, tells the story of the relationship between an Indian fighter and his Irish jailer. (*Sat. 2230; repeated Sun. 0530 and 1830*)

Commencing August 17 and 19, *Songs of the Sufi Mystics* features Jameela Siddiqi exploring, in four 30 minute programs, the unique musical experience of qawwali which takes its listeners into a deep trance to bring them closer to Allah. (*Sun. 1701; repeated Tue. 0630 and 1130*)

On August 18 and 21, *Omnibus* examines the religious legacy of Partition from the perspective of the Punjab. (*18th at 0630; repeated 1030 and 21st at 0130*)

On August 23 and 30 (and 24 and 31), *Tughlaq* is presented in two 60 minute parts.

The best known play by one of India's leading contemporary writers, Girish Karnad, the story centers around the 14th century reign of Muhammed ibn Tughlaq and paints a personal picture of the pressures of kingship, the corrupting influence of power and the addictive nature of violence and cruelty. (*Sat. 2230; repeated Sun. 0530 and 1830*)

On August 24, *Youth Debate* looks at how Hinduism, Islam and other religions have made their mark on Delhi as seen through the city's politics, art, culture and daily life. How do the city's youth see their future? Can the religious and cultural mix forge a path of cooperation? (*Sun. 1401*)

### On Other Topics...

Beginning August 1 and 2, replacing *People and Politics* for six weeks while Parliament is on summer hiatus, *At the Shoulder of History* features John Miller talking with interpreters who have witnessed history at the side of world leaders over the past half century. (*Fri. 2130, repeated Sat. 0230, 1130*)

From August 1 through 10, the biggest international sports event of the year takes place in Athens. *The World Athletics Championships* will feature athletes from over 200 countries and the World Service will provide in-depth coverage in all its sports programs. (*Sports Roundup: Sun. 0145; daily 0315/0945\*/1745; Sun.-Fri. 1245#/2245; Sun.-Thu. 1510. Sportsworld: Sat. 1405 to 1700*)

Commencing August 3, Mark Lowther takes a look at *The Orchestra*, a new six part *Learning Zone* series. The program features the different families of instruments and meets the people who do the work while introducing some orchestral music. (*Sun. 2310*)

Beginning August 8, a new six part *Learning Zone* series entitled *Computers at Work* features Tracey Logan taking a look at some of the computer's many uses for ordinary people. (*Fri. 1230*)

Starting August 11 and 15 for six weeks, poet Nigel Forde investigates life

behind the scenes at York Minster, the medieval cathedral in York in the north of England, in *Close Encounters*. (Mon. 0130; repeated Fri. 0630)

Also beginning August 11 and 15 for six weeks, *The Way We Are* features broadcaster and academic Ivor Gaber taking a sideways look at life in the UK today through the eyes of social scientists and their research from the quirky to the profound. (Mon 0145; repeated Fri. 0645)

Starting August 28 and 29, author and journalist Anthony Grey begins a three part series inquiring *UFO's: Fact, Fiction or Fantasy?* (Thu. 1830\*; repeated Fri. 0530, 1030)

Beginning August 31, Sheena MacDonald chairs a new eight week series of *International Question Time*, the global phone-in which gives listeners the chance to ask a distinguished panel of experts their views on the issues of the day. To take part in the program, listeners should call the BBC beginning at 1200 on program day at 44-171-379-7444. Listeners whose questions are chosen will be called back at the BBC's expense. (Sun. 1401)

Premiering September 1 will be a new eight program series of *Pop the Question*, the BBC's weekly music program that invites listeners to "pop" queries about their favorite groups and performers. To contact the program write to: *Pop the Question*, BBC World Service, Bush House, Strand, London WC2B 4PH or e-mail your questions to host Mark Tonderai at <ws.pop@bbc.co.uk>. (Mon. 1530)

Series Continuing from July  
*The Lab, Play of the Week: Anna Karenina, India: A People Partitioned, Code Breakers, The Story of Football, The 1997 Henry Wood Promenade Concerts, Voting for Britain, and The Jools Holland Collection* continue into August from July. Consult July's *EZL* for details. *Brain of Britain* and *Encyclopaedia Historica* continue from June. Consult June's *EZL* for details.

## Radio Netherlands Documentaries

India and Pakistan also figure prominently in *Radio Netherlands Documentaries* this month. India has proudly claimed that it achieved independence non-violently according to the teachings of Mahatma Gandhi. However, along with independence came Partition. And this was not achieved non-violently.

*7th/8th and 14th/15th - No Going Back* (Two programs which follow the lives of two particular families—one Hindu, one Muslim—over the past 50 years of independence. Dheera Sujan, whose own family was divided by Partition, produced and presents this two-part series.)

*21st/22nd - Legacy of the Secret Police* (Eric Beauchemin finds out how the former Iron Curtain countries are coming to terms with a past that includes a legacy of secret police spying on their own citizens.)

*28th/29th - The Belgians* (The Dutch often treat Belgians like their poor, less intelligent country cousins and Belgians don't appreciate being the brunt of Dutch jokes. Helen Barrington investigates.)

(Fri. 2354 on 6020/6165/9845; Thu. 0054 on 6020/6165/9845 and 0454 on 6165/9590. The complete program line-up for RN is in July's *EZL*.)

## Deutsche Welle Highlights

The August 11 edition of *Arts on the Air* visits the tenth documenta in Kassel, internationally acclaimed as THE number one exhibition of contemporary art. More than 600,000 will attend during the 100 days (June 21st to September 28th) of the documenta that will showcase over 250 artists, theatre personalities, filmmakers, authors, architects, thinkers and musicians.

On the August 14 edition of *Living in Germany*, find out how Schwerin, the capital city of the eastern German state of

Mecklenburg-Western Pomerania, protects its splendid array of historical buildings and magnificent churches from the effects of acid rain and exhaust fumes.

In the *August 29 Made in Germany* slot of *What's New?*, find out about preparations for the first World Exposition to be held on German soil—Expo 2000 in Hannover.

(The programs above can be heard at just after 30 minutes into each of the following broadcasts: 0100–0150 on 6040/6085/6145/9640/11810; 0300–0350 on 6085/6185/9535/9615/9640; 0500–0550 on 5960/6045/6185/9615. The complete program line-up for DW is in July's EZL.)

## New Radio Australia Schedule

On July 1, **Radio Australia** radically revised its schedule. Drastic budget cuts imposed by the Australian government have forced the broadcaster to rely more heavily than ever on the ABC domestic network, **Radio National**, for much of its programming. In fact, in addition to a sprinkling of **Radio National** programs throughout the schedule, the entire block of 1200 to 1800 UTC (1900 on Fridays and Sundays) is a direct relay of **Radio National** with only minor exceptions.

Monitoring here on the east coast, I've noted a significant reduction in signal strength on the historical main morning frequency of 9580, which remains listenable between around 0930 and 1400 with a decent receiver/antenna; 5995 and 11800 are the only other audible frequencies but for shorter periods at an even lower signal quality. 17795, 15365 and 15240 are audible here evenings (2330 to 0500) as usual during Northern Hemisphere summer. Again, signal strength is audibly lower but listenable with a good receiver and antenna.

The schedule below emphasizes these time periods. If someone wants to supply me with a report from the west coast of North America about when and on what frequencies Radio Australia is listenable there, I'd be happy to expand on this schedule next month.

(*All Caps*=Radio Australia program; *Upper and lower case*=Radio National program)

- 0000/0100/0200/0300/0400/1000/1100/1200/1300 - **RA NEWS**
- 2330 - *Sun.* - **Australia All Over** - reports from the states (in progress); *Mon.* - **Sports Factor** - sports and society; *Tue.* - **Health Report**; *Wed.* - **Law Report**; *Thu.* - **Religion Report**; *Fri.* - **Australia Today** - daily life; *Sat.* - **Media Report**
- 0005 - *Sun.* - **OZ SOUNDS** - Australian music/musicians; *Sat.* - **FEEDBACK** - listener contact
- 0010 - *Mon.* - **AWAYE** - indigenous arts/issues; *Tue.* - **Science Show**; *Wed.* - **National Interest** - the week's major events in Australia; *Thu.* - **Background Briefing** - award winning current events magazine; *Fri.* - **Hindsight** - today's events in historical perspective
- 0030 - *Sun.* - **Correspondents Report** - ABC foreign reporters; *Sat.* - **Indian Pacific** - Asia Pacific news magazine
- 0105 - *Sun.* - **OZ SOUNDS**; *Sat.* - **The Europeans**
- 0110 - *Mon.-Fri.* - **DATELINE** - news reports and analysis
- 0130 - *Mon.* - **INNOVATIONS** - inventions; *Tue./Sat.* - **ARTS AUSTRALIA**; *Wed.* - **SCIENCE FILE**; *Thu.* - **Book Talk** - Australian literature; *Fri.* - **Earthbeat** - ecology
- 0205 - *Sun.\** - **FINE MUSIC AUSTRALIA**; *Mon. - Fri.* - **Australia Talks Back** - national phone-in; *Sat.\** - **Ockham's Razor** - science and society
- 0230 - *Sun.* - **Religion Report**; *Sat.* - **Health Report**
- 0305 - *Sun.\** - **FEEDBACK**; *Sat.* - **Book Reading**
- 0310 - *Mon. - Fri.* - **The World Today** - comprehensive newscast w/**SPORT** at 0330
- 0330 - *Sun.* - **Correspondents Report**; *Sat.* - **SCIENCE FILE**
- 0405 - *Sat./Sun.* - **PACIFIC FOCUS** - newsmagazine
- 0410 - *Mon.-Fri.* - **PACIFIC BEAT** - reports/music/features w/**SPORT** at 0430

0930 - *Sun.* - *Hindsight* (in progress); *Mon.* - *Fri.* - *SPORT*; *Sat.* - *Science Show* (in progress)

0935 - *Mon.*-*Fri.* - *AUSTRALIA TODAY*

1005 - *Sun.* - *OZ SOUNDS*; *Sat.* - *JAZZ NOTES*

1010 - *Mon.* - *AUSTRALIAN MUSIC SHOW*; *Tue.* - *AT YOUR REQUEST*; *Wed.* - *BLACKTRACKER* - aboriginal music and performances; *Thu.* - *OZ COUNTRY STYLE*; *Fri.* - *MUSIC DELI* - music from a variety of cultures

1030 - *Sun.* - *Correspondents Report*; *Mon.* - *INNOVATIONS*; *Tue.* - *ARTS AUSTRALIA*; *Wed.* - *SCIENCE FILE*; *Thu.* - *Book Talk*; *Fri.* - *Earthbeat*; *Sat.* - *Indian Pacific*

1105 - *Sun.* - *JAZZ NOTES*; *Sat.* - *FINE MUSIC AUSTRALIA*

1110 - *Mon.*-*Fri.* - *DATELINE*

1130 - *Sat./Sun.* - *AUSTRALIA TODAY*; *Mon.*-*Fri.* - *SPORT*

1135 - *Mon.*-*Fri.* - *Countrywide* - Australian rural issues

1155 - *Sat./Sun.* - *On This Day* - in history

1205 - *Sun.* - *Country Club* - country music; *Mon.*-*Thu.* - *Late Night Live* - discussing topical issues; *Fri.* - *Sound Quality* - innovative contemporary music; *Sat.* - *The Music Show* - diverse new music/musical events (in progress)

1305 - *Sat.* - *Other Worlds* - late night lounge music

1315 - *Mon.*-*Fri.* - *The Planet* - varied music from around the world.

\*At 0205 to 0700 *Sat.* and 0305 to 0800 *Sun.*, 15240 and 15365 carry *Grandstand* (sports play-by-play and reports).

### In Brief...

Topics this month on RCI's *Sunday Morning on Tuesday Night* (0105 and 1305 *Wed. UTC*): 6th - Tobias Wolfe/Floods/Toboggans/Hong Kong musician/Oscar essay; 13th - Computer chicks/Brothers Simic/Roo Borson Poem/Internet essay; 20th - Louise Arbour/Cowboy Poets/Frozen dinner essay; 27th - Olympia Press/Essay.

That's it for this month. Remember to take that portable with you wherever you go this summer. There's plenty of good programming there for the listening!



## Hardware Bits by Alan Johnson

**KNEISER+DOERING KWZ 30 DSP COMMUNICATIONS RECEIVER** - This new German receiver brings Digital Signal Processing technology within the reach of the radio amateur, according to the manufacturer. This all-mode HF receiver uses digital technology for detection, AGC and IF filtering (14 bandwidth values). DSP technology provides multiple notch filtering and noise reduction. The supplied specifications indicate that this is a premium receiver. At present it is only available from the manufacturer, with a quoted price of 2,600 DM, less taxes and shipping. Their address is Kneiser + Doering Elektronik GmbH, Senefelderstraße 16, 38124 Braunschweig; Telephone (0531) 61 03 52.

**NEW PRODUCTS FROM MFJ ENTERPRISES** - In addition to the MFJ-1026 Noise Canceller announced in the June issue of the Journal, MFJ has two other products of potential interest to the SWL. The first is the MFJ-281 ClearTone external speaker. This is a 3 x 3 x 2 external speaker with mounting bracket and six foot cord. It is designed to enhance the intelligibility of speech in the 600 to 4,000 Hertz range while reducing static, noise and hum. It is priced at \$9.95. Although the 36 inch diameter MFJ-1788 loop antenna is designed for amateur radio transmitting use, it may be of interest to radio listeners with minimum space for outdoor antennas. It covers the range of 7 to 21 MHz and costs \$359.95. MFJ Enterprises, Inc. can be contacted at 300 Industrial Park Rd., Starkville, MS 39759; (800) 647-1800 for orders or (601) 323-5869 for technical info.



# Listener's Library

T. J. "Skip" Arey N2EI  
P. O. Box 644  
Waterford Works, NJ 08089  
Internet: tjarey@mosquito.com

Well this is the time of year that tries short-wave listeners most. Trying to catch those signals between the static crashes can give a person a bad headache. The solution is to move away from the radio and pick up a good book until the sky clears. I just happened to run across a couple of items of interest to any radio hobbyist.

**CRYSTAL SET PROJECTS**  
*15 Radio Projects You Can Build*  
160 pages  
\$14.95  
ISBN 1-887736-06-9  
The Xtal Set Society  
PO Box 3026  
St. Louis, MO 63130  
(314) 725-1172  
fax (314) 725-7062  
xtalset@midnightscience.com  
www.midnightscience.com

Building crystal sets is Fun!!! Taking a bunch of inexpensive parts and several items that "can be found around the home" and turning them into working radios is a great extension of the radio art. Further, simple crystal set circuits are the perfect way to introduce a child to radio. Hey, you can build a Video Game Machine from a chunk of rock and a toilet paper roll now can you? This latest book from the folks at the Xtal Set Society follows well in the footsteps of their other volumes, adding yet another 15 projects to enjoy and learn from. Most anyone who has been in the radio hobby for a bit knows the basic crystal set design. A coil of wire, a diode and a high impedance earphone and your on your way. But I remain constantly amazed at how people have been able to update and improve upon this basic design to create some devices with real performance

quite literally "worth listening to." This latest book in their series contains both receiver and antenna projects designed to wring the maximum performance from this most basic of receivers. In amongst the basic experimentation and engineering you will find dozens of examples of down home ingenuity. For example, for years we have been winding our crystal set coils on Quaker Oat boxes. A modern update of this practice makes use of a one liter soda bottle. Well if it was a snake it would have bit ya!!! It takes a heck of a lot less time to drain a soda bottle than it does to eat all those dishes of oatmeal. Or, how about using "Tinker Toys" to construct a loop antenna frame? Crystal set builders in the Xtal Set Society take great pride in constructing as many of the components of their sets from raw materials as they can. Home-made capacitors thrive in this world. This book includes the first practical application I have ever seen for the "Rolomite" bearing. Who would have ever thought of using this device as a tuning capacitor? It works great and again, is obvious in its simplicity. If nothing else, this book jogs your mind into looking at the world around you in different and more resourceful ways. In our shrink wrapped, pre-packaged modern electronic world, figuring out how to play radio without a trip to Radio Shack is a great growth experience. Obviously I recommend this book highly along with all of the other volumes in the Xtal Set Society library. I also commend membership to this club as well. Their bi-monthly newsletter is available for \$9.95 per year, Canadian membership is US \$11.00 and International subscriptions are US \$16.00. Next to my NASWA dues it's the best money I've ever spent. Join up and get your mind working.

I first met Al Weiner at the first Monitoring Times convention in Knoxville, Tennessee. He was just fresh from his latest run in with the F.C.C. He and Karl Zuk had a little carrier line station going up in their room, broad-



when I got to the door,  
I just couldn't resist  
beating hard with my fist  
and shouting  
"FCC, OPEN UP NOW  
WEINER!!!"



casting to the hotel. (Hey Al, if your reading this I never did get a QSL card). Now what you also have to know is I had just met Bob Grove as well. I had written for MT for a while but this was our first "face time." Bob and I walked up to the room to see the operation. When Bob and I got to the door, wearing my Radio New York International T-shirt I might add, I just couldn't resist beating hard with my fist and shouting "FCC, OPEN UP NOW WEINER!!!" Karl laughed, Al sighed and I think Bob is still shaking his head. During the rest of the weekend we had several free-form radio experiences that probably set radio back fifty years. I tell you all this because these important events were sadly left out of ...

## Hardware Bits by Alan Johnson

**AOR AR7030 UPDATES**—I recently received some information from AOR UK concerning accessories and updates for their AR7030 receiver. The NB7030 notch filter/noise blanker and CPU upgrade is available for 199 pounds. The notch filter can be manually or automatically tuned over a range of 150 to 6000 Hz and provides a single notch of up to 50 dB depth. The noise blanker reduces impulse noise and acts in the IF stage to reduce the effect of noise spikes on AGC action. The CPU upgrade expands the number of memory channels to 400 and permits alphanumeric labeling (up to 14 characters) of the memory channels, as well as expanding the clock/timer functions. The CPU upgrade alone (FPU7030) is available for 69 pounds. Also announced is the AR7030 PLUS receiver which has circuit changes to increase the strong signaling handling capability of the receiver, as well as adding a 4 kHz filter and a different optical encoder for smoother tuning. This new receiver will be available in July—price not yet announced. AOR UK has established Radio Centretail facility to sell AOR products and accessories, as well as other brands by special order. AOR UK address is 4E East Mill, Bridgefoot, Belper, Derbyshire DE56 2UA, England. Their phone number for all divisions is 01773 880788, E-mail: [info@aor.co.uk](mailto:info@aor.co.uk) and Website: <http://www.demon.co.uk/aor>. 

## ACCESS TO THE AIRWAVES MY FIGHT FOR FREE RADIO

By Allan H. Weiner

as told to Anita Louise McCormick

264 pages

\$17.95 plus \$4.95 shipping

Loompanics Unlimited

PO Box 1197

Port Townsend, WA 98368

1-800-380-2230

Autobiographies of radio hobbyists are rare, so the opportunity to read about Al's various exploits from his teenage years to his current "country squire" existence at WEGP is worth the read. This book covers the whole story and rounds up the usual suspects along the way, from Al's beginnings in pirate broadcasting up through the M/V Sarah adventures and beyond. Now the shipboard station on M/V Sarah is great reading and all of the exploits are further supported with log entries. However, I was disappointed to see Al's further adventures with the Fury 5 shipboard station were relegated to a single chapter. I say this only because it seems Al took a lot of heat from a lot of folks for those particular events and this excellent book could have gone a bit further to clear up some misconceptions that floated around in the hobby press and on the internet. Still, while only a chapter long, the facts of the events are well presented. If you want to see just how hard someone can persevere to get on the air and stay on the air in spite of efforts to prevent it, this book is worth the read. One note on the cover, I never saw and F.C.C. agent in a brown shirt before but I get the point. 

## Digital SW Broadcasting (Part 1)

You may have heard news recently about the first on-air experiments in digital short-wave broadcasting. This month I will begin to discuss some issues associated with this new technology and try to put it all in perspective for you, the short-wave listener.

If you have a copy of the World Radio & TV Handbook for 1997, turn to page 2. You will see an advertisement by Thomcast of a system they call Skywave 2000. The associated text says, "Improved sound quality, unsurpassed reception stability and all the extras of digital transmission as well as DXing analog broadcasts. (Yes, I know there is no verb in the previous sentence; remember it's a commercial.) The future of short-waves is bright." Just as digital compact discs improved the quality of audio recording distribution, digital radio on short-wave promises improvements in sound quality.

Have you noticed that nothing is simple any more? Digital short-wave broadcasting is no exception. There are many issues which designers and broadcasters must resolve before digital short-wave broadcasting becomes a reality.

Digital short-wave broadcasting cannot get off the ground until a standard transmission format is adopted. Without a common standard, manufacturers will be unable to design large scale integrated circuits to economically receive the new digital transmissions. Listeners will not want to pay for complex designs to accommodate multiple, unique digital formats.

Preliminary discussions are under way between the major broadcasters to formulate such a digital broadcast standard. In their hurry to standardize, engineers may select a system that is less than optimum. So the standardization process is a long series of meetings and experiments designed to ensure the best approach is adopted. A lot of give and take inevitably results.

But any standard is preferable to no standard at all. Critics blame AM stereo's failure on the turmoil caused by the FCC's decision to not adopt an AM stereo standard. Instead the FCC let market forces determine which of several competing techniques would survive. All worked with varying degrees of success. Buyers decided the risk of buying radios that might soon become obsolete did not make sense. The market decided nobody needed to listen to AM stereo when they could listen to FM stereo.

AM stereo died a slow, agonizing death while costing manufacturers and broadcasters millions of wasted research and equipment dollars. With AM stereo died any hope that AM could successfully compete with the superior sound of FM. AM radio programming today is either inane conversation or music for hearing-impaired AARP members who grew up listening to 78 RPM records and cheap AM radios. Neither listener class demands good fidelity or stereo. Buyers for AM stations are few. Often discouraged owners abandon their licenses.

Now international short-wave broadcasters face a similar problem. WRMI, WRNO, and

the transmitters owned by the Christian Science Monitor are up for sale. Will they find buyers? Can they attract an audience and advertisers? Today's potential new audience demands a higher standard of sound quality. This audience will not tolerate static, heterodynes, buzzes, whistles, selective-fading distortion, and poor frequency response.

The failure to standardize home video tape formats teaches a similar lesson. Market forces determined that the VHS format survives today. A technically superior format, BETA, was outgunned in the market place. VHS offered 6 hours of poor quality recording instead of the maximum 4 hours of the better quality BETA format. VHS won the war but not before the market-driven selection process resulted in wasting billions of dollars in now-obsolete equipment. Standardization on a single short-wave digital format is the most important challenge facing the industry. In 20 years short-wave radio will be a curious relic of earlier times as an entertainment and information medium unless this challenge is successfully met.

Hopefully, the industry has learned from the AM stereo and video tape wars to adopt a common short-wave transmission standard. Digital technology could capture a whole new audience, an audience that would no more listen to analog short-wave radio than they would listen to Edison bakelight cylinder recordings.

Deutsche Telekom and the Voice of America recently conducted on-air tests. These tests are to characterize the ionosphere and its influence on received signal quality. Deutsche Telekom has been working with the equipment maker, Thomcast. The VOA tests are being performed with the support of the Jet Propulsion Laboratory (JPL). You probably know JPL from their daytime job managing the USA's deep space exploration program. JPL, a subsidiary of the California Institute of Technology, has plenty of digital commu-

nications experience. JPL got this experience designing and operating the links to NASA's deep space missions for the past 4 decades.

The ionosphere is a very tricky medium over which to communicate using digital techniques. Multipath and fading effects distort the shape of the digital bits causing errors on reception. Coding techniques can be used to mitigate these distortions but they add extra bits to the stream, taking up more bandwidth. So the design of the optimum system is a compromise between performance, bandwidth, and transmitter power.

JPL uses error correction coding techniques to improve data quality on weak signals from distant spacecraft. These techniques can actually improve total link performance by about 5 dB. Now 5 dB may seem small, but it's the difference between a 100 kW and a 31 kW transmitter. Five dB are only one "S-Unit" on your analog radio. That can mean the difference between no signal and studio quality audio on a digital transmission.

On space to ground links these effects are easily predictable using statistical techniques associated with random (Gaussian) thermal noise. Such is not the case with the unruly ionosphere whose behavior is much less predictable. Engineers face a challenge. Find an optimal coding scheme for ionospheric distortion and atmospheric noise bursts. Thus we have a need for on-air testing.

A recent Communication's World, the VOA's media news program hosted by Kim Elliott, addressed the Skywave 2000 system. Next month, I will have some details about the Skywave 2000 system as reported on Communication's World. Future articles will present some elementary digital communications theory. I will describe how short-wave listening will be different when and if the transition to digital technology is complete. Until then, stay tuned. 

*This first article comes to us via Wolfgang Bueschel of Germany*

## George Jacobs, P.E. Acceptance Speech

**National Association of Broadcasters 1997 Radio Engineering  
Achievement Award Technology Luncheon, April 9, 1997, 1230  
PM, Barron Room, Las Vegas Hilton**

Ladies and Gentlemen, Fellow Broadcasters: Being in the broadcast business for 56 years there are a lot of people to whom I am grateful for this award and to whom I owe thanks for helping me realize the achievements for which you honor me today. If I mentioned them all we would probably miss our luncheon speaker, and perhaps lunch as well. But, there are some that I must acknowledge today.

Firstly, I owe thanks to my father. He was a civil engineer, but interested in radio. I can still remember my first encounter with the Morse Code when I was about six years old. I also clearly recall at about the same age his excitement when he built his first superhet radio. He clamped oversized earphones on my head and said: "listen to that broadcast, it's coming all the way from Toronto". Since we lived in NYC at the time, that was my first introduction to DX. This probably was when the radio bug first bit me!

I also owe a great deal of thanks to a name well known in this industry, the late Sol Taishoff, founder and first publisher of BROADCASTING and CABLE Magazine. It was Sol who encouraged me 17 years ago to retire from Government after nearly 35 years of service, and to "do it on my own", as he so often urged me. It was not easy for me since I had what was probably the best and one of the most interesting jobs in Government with the Voice of America and later with the Board for International Broadcast-

ing. One that gave me a great deal of both professional and personal satisfaction. But Sol's guidance prevailed. I retired from Government and set up my own consulting company. Seventeen years later, I am still doing it on my own. Sol, as you look down on us today, you have my everlasting thanks.

A special thanks goes to my wife Beatrice, or Bea, for not only being a loving spouse and devoted mother and grandmother, but also my closest and dearest friend. As my bride for fifty years she has stood by my side through thick and thin. This award is hers as much as it is mine.

I would also hope that this award is not only a tribute to me, but that it also recognizes and documents the important role of shortwave broadcasting in winning the "Cold War". Recently I was asked by a young person who noted that the second World War was fought in Europe and Asia, the Korean War in Korea, the Vietnam War in Vietnam, but where, she asked was the Cold War fought? Well, I replied, it was fought on the airwaves with words as its weapons. The populations behind what was then called the "Iron Curtain" themselves overthrew their Communist governments in an historic bloodless revolution. This spared the world the nuclear holocaust that had been predicted by the experts. But, deprived of all normal contacts with the free world, what gave them the courage and encouragement to keep going for more than forty years and to finally realize this amazing

accomplishment? Many will tell you, as they have told me, that it was the shortwave broadcasts of the BBC, VOA, Radio Free Europe, Radio Liberty, Radio Vatican, Kol Israel and others that kept the spark of freedom alive. Shortwave radio was the only link that remained open to the west throughout most of the Cold War period. It pierced the electronic curtain of Communist jamming, and could be listened to in the privacy of one's home. The arena for the Cold War was truly the shortwave broadcast bands. It was a victory of words over nuclear weapons, for which the entire world can now breathe a sigh of relief.

Incidentally, the role of shortwave broadcasting during the Cold War is a story which has not yet been fully told! A footnote to the ending of the Cold War. One of my achievements that I am most proud of is the role I was able to play in having a former jamming transmitter converted into a 75 kW broadcast transmitter. This served as the basis for establishing the first independent radio station in Moscow five years ago. We named it OPEN RADIO in contrast with the closed society of the Soviet era. It is run entirely by young professional Russian journalists, pro-

grammers and marketers, and it now has an FM and even a TV outlet.

Just this past month we signed an agreement to lease time on a jamming station in the Republic of Georgia which has been converted into a large radio broadcast center. Its shortwave signals are exceptionally strong throughout Europe, the Near and Middle East and northern Africa. It is already being used successfully by several of my clients at a considerable savings in both operational and overhead costs. We have just begun discussions with another ex-Soviet Republic, where shortwave and mediumwave transmitters, with some in the megawatt range, may be available for leasing. How is that for turning swords into plowshares!

Finally, I want to extend my thanks to the many professional associates with whom I have worked in both Government and the Private Sector over the past five decades, and who helped make this award possible. I want also to express my gratitude to you my peers for this award which I will especially cherish because it is from you. Thank you, Thank you, Thank you!

## **MEDIA: The Voice of Kanak Independence in New Caledonia**

By Kalinga Seneviratne

NOUMEA, New Caledonia, Apr 1 (IPS)—Ten years since it first began broadcasting, Radio Djiido, the Voice of Kanak Independence, has seen more than its share of problems—lack of funding, jammed signals and Molotov cocktails aimed at driving it off the air.

Today, Radio Djiido—a station run by the indigenous Kanak people of this South Pacific territory—remains the voice of the Kanak struggle for independence against the French.

On a regular day the radio, the highest-rating station here apart from the French government-run RFO, broadcasts news and commentary that it hopes will educate the Kanak people in the run-up to a vote on self-determination in 1998. The station also promotes Kanak music, including a new form of contemporary music called "Kaneka" which was

born out of the independence struggle and was popularised by Radio Djiido itself.

"When we started, the military tried to jam the signal. When we presented news, there was no radio," said Nicole Waia, manager of Radio Djiido said in an interview with IPS. Although its mission is to be the Kanak people's voice, the station broadcasts news and commentary in French.

This use of the colonial language to further an indigenous cause might appear odd, but the reason is purely pragmatic—there are 32 different Kanak languages.

Waia said: "I come from Mare (Loyalty Island). I can talk to my people, but other Kanak people can't understand me then. So we can't present our programmes in Kanak languages, it's too difficult. It's a good strategy too, as other people can understand what I say."

Since colonisation in 1853, the French have used the media in New Caledonia to drum up support for colonial rule. The media has been tightly controlled by the French, with French media tycoon Robert Hersant owning various publications and a radio station.

Radio Djiido's creation in 1985 was the first attempt by the indigenous Kanak people to challenge French colonial propaganda, as they had no media voice of their own for a long time. Its early broadcasts were transmitted within the boundaries of Noumea by unskilled voluntary staff, driven by little else but political commitment to the independence cause.

The French expected Radio Djiido to have a short life span, especially since it during its first year it was targeted by right-wing groups opposed to independence. Even the French military joined in the campaign to end Radio Djiido's broadcasts.

At one point, critics used bomb attacks and Molotov cocktails to try to silence the radio.

Today Radio Djiido has not only survived for over a decade, but broadcasts nationally and has two small sister stations in Lifou in the Loyalty Islands and Hienghene in the Northern Province.

Since the signing of the 1988 Matignon Accord between the pro-independence Front de Liberation National Kanak Socialiste (FLNKS) and the pro-French right-wing party, Rassemblement pour Caledonie dans le Republique (RPCR), Radio Djiido became part of the cultural arm of the Kanak independence struggle known as "Editions Populaires".

"After the signing of the Matignon Accord, it is now better for us. We can now broadcast all over the country," said Waia.

Radio Djiido gets funding from the local governments of the Northern Province and Loyalty Island, which are FLNKS controlled. It was also assisted by the Australian union movement's foreign aid agency, or Australian People for Health, Education and Devel-

opment Abroad. The RPCR has its own daily newspaper 'Les Nouvelles Hebdo' and a private radio station called 'Radio Rythme Blue'.

Radio Djiido's plan since the Matignon Accord is to make economic development and education more equitable, preparing the Kanak people for a national vote for self-determination in 1998. That vote is a key part of the Matignon agreement.

"This is why it was important to have our own radio, to educate our people, and others too, on the political, economic and social reality" Waia added. But the divisions among the Kanak community ahead of the 1998 vote is also affecting Radio Djiido's economic future.

Recently, FLNKS changed its strategy from a purely political campaign to win a vote on independence next year, to an economic struggle to first gain control of New Caledonia's nickel and tourism resources.

In the wake of this change, FLNKS's attempts to work out a compromise with RPCR on the independence vote has split the Kanak community. Many Radio Djiido listeners want their leaders to explain to them the FLNKS' change in strategy for independence.

But Waia says the leadership has been reluctant to use the radio to do so, and is pressuring the station to tone down its criticism of some FLNKS policies.

"Sometimes we have a lot of problems with FLNKS leaders, because Radio Djiido is a community radio station and we have to respect the people" said Waia. "When I don't agree with what they decide now, I have to tell them 'listen I don't agree, you have to explain to the people'. It's not my role, it's your role because you are a political leader"

This is why Waia wants Radio Djiido to be financially independent, though the station gets annual subsidies from the two FLNKS controlled provincial administrations. The station is now aiming for a bigger slice of advertising revenue—not easy for a community-based news-oriented station.

"The grants from the provinces are not enough for all of us here" says Waia. "Our salaries are not high and have remained the same since we started. But it is not a problem for us because it's our choice to come here and work for our people".

Located in a small house in a southern Noumea suburb, the station has basic but modern studio and editing facilities and a small transmitter powerful enough to cover most of the country. There are no satellite feeds or other expensive communication technology. Its permanent staff of six are all

*This next item is via Bob Padula's EDXP. This is a KTWR media release that was provided to EDXP by Alok Das Gupta.*

## The History of KTWR

The Trans World Radio-Guam shortwave station KTWR began broadcasting to Asia in September 1977 with two Harris SW100 transmitters (100 kW) and two curtain antennas. In 1981 two additional SW100 transmitters and two curtain antennas were added to the facility, and in 1985 a fifth curtain antenna was installed for coverage to Australia and the south Pacific.

KTWR transmitters are on the air 34 hours with daily Gospel broadcasts in 18 languages. China is KTWR's major target area with other target areas being Indonesia, south Asia, southeast Asia, east Asia, south Pacific, Japan, India, and the CIS.

The KTWR shortwave station, located on the island of Guam, is in the process of expansion with the addition of a fifth 100 kW shortwave transmitter and a sixth curtain antenna. The expanded facilities will provide additional broadcast outreach to Asia.

A fifth transmitter, yet to be installed at the KTWR station, was designed and manufactured by HCJB Engineering in Elkhart, Indiana USA. The HC100 was designed and developed by missionary broadcast engineers who have had many years of operational broadcast experience. The HC100 design incorporates many features which makes the equipment efficient and easy to operate, such as an autotune system, dynamic carrier control, and a solid state modulator. Only

Kanak people.

Waia believes radio can play a very important role in the political process towards independence—if the FLNKS leaders know how to use it.

"The problem in this country is that the Kanak leaders don't know how to use the media" argues Waia. "If they have confidence in the staff who works in the newsroom, I think the message they want to give could be understood by the militants and a lot of people".

two tubes are used in the HC100: the RF power amplifier (PA) uses an EIMAC 4CV100000C and the RF driver uses an EIMAC 4CX3500A. The HC100 will be installed at the KTWR transmitting site after the FCC Construction Permit is granted. Curtain Antenna Technology for Communications International (TCI) is designing the sixth curtain antenna for the KTWR facility. The TCI 611 curtain antenna will provide an operating frequency range of 5.8 to 12.1 MHz. The curtain array will consist of a network of horizontal dipoles three high and two wide for a total of six dipoles. The lowest dipole will be one-half wavelength off the ground. The antenna is designated as an HR2/3/5 with a bearing of 320 degrees. It will use a reflecting screen to enhance the radiated signal toward northern China (Beijing). Antenna gain is 17.72 dBi at the design frequency of 8750kHz. Towers used to support the TCI 611 curtain antenna will be 75 meters high. Frequent Guam typhoons create a rather stringent requirement for the structural design. The antenna will be designed to meet the Guam 155MPH wind velocity specification.

The antenna design drawings are to be completed by April 1997. Trans World Radio's goal is to have TCI start manufacturing the antenna during September 1997. Antenna and transmitter installations are expected to be completed toward the end of 1998. 

# Listener's Notebook

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

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

**ARGENTINA** In last month's *LNI* forgot to mention that the *RAE* schedule was submitted by Gabriel Ivan Barrera-ARG.

**AUSTRALIA** Due to the closure of our Darwin transmitter site on June 30 last we now have a new schedule. All transmissions directed to Asia originate from transmitters at Shepparton in Victoria. RA would appreciate reception reports on our Asian frequencies. These should be sent to: Transmission Manager *Radio Australia* GPO Box 428G, Melbourne VIC 3001; fax: + 61 3 9626 1917, email: ratx@radio-aus.abc.net.au

0000-0200	English	9660 12080 13605 13755 15365 15415 17750 17795
0200-0400	English	9660 12080 13605 15240 15365 15415 17750 17795
0400-0500	Chinese	15415 17750
0400-0600	English	9660 12080 13605 15240 15365 17795
0500-0600	Khmer	15415 17750
0600-0800	English	9660 12080 13605 15240 15365 15415 17750 21725
0800-0830	English	5995 9580 9710 12080 15365 15415 17750 21725
0830-0900	English	5995 9580 9710 11640 12080 15365
0830-1100	Indonesian	6080 9770
0900-1000	English	9580 11640
0900-1200	Tok Pisin	5995 6020 9710
1000-1100	English	9580
1000-1100	Khmer	11640
1100-1200	English	6080 9580
1100-1330	Chinese	9415 11660
1200-1400	English	5995 6080 9580 11800
1330-1500	Vietnamese	9415 11660
1400-1500	English	5870 5995 11800
1500-1600	English	5870 5995 9415 9615 11660 11800
1600-1700	English	5870 5995 6080 9415 9615 11660
1700-1800	English	5870 5995 6080 9415 9615 11880
1800-1900	English	5995 6080 7240 9415 9615 11880
1900-2000	English	5995 6080 7240 9415 9615 11880

2000-2100	English	5995 7240 9415 9615 11880
2000-2100	Tok Pisin	6080 7240
2100-2130	English	5995 7240 9415 9615 9660 11880 12080 15365
2130-2200	English	7240 9615 9660 11695 12080 13755 15365
2130-2400	Indonesian	15415
2200-2300	Chinese	17750
2200-2300	English	9660 11695 12080 13755 15365 17795
2300-2400	English	9660 11695 12080 13755 15365 17750 17795

(Schellaars/R. Australia)

**BELARUS** According to QSL from *Radio Yunost*, the 6260 outlet originates from a 150 kW tx in the Rep of Belarus. (16-Jun/Gatzke-FRG/BCDX/EDXP/Padula-AUS)

**BENIN** 7190 *ORTB*, Parakou 2157-2301\* here instead of 5025 with mostly highlife songs plus an occasional pop-rock number; announcements in African-accented French between every selection. "Ici Parakou..." at 2259, then NA and closed down. Fair amid increasing QRN. Last summer, the Cotonou transmitter bounced between 4870 and 7210.2 for several weeks. (12-Jul/Hill)

**BOLIVIA** 4553 *Radio Tropico*, Trinidad 1110 w/SS ballads after ID. Fair. (22-Jun/Wright & Seager-AUS/ADNX "OzTrail")

6194.69 *Radio Carlos Palenque*, La Paz; 0903-0940 M and W talk in Aymara. ID was given at 0938 as "Radio Carlos Palenque desde La Paz, Bolivia." (29-Jun/Nozaki-JPN/Relampago DX)

**BRAZIL** 11704.89 *Radio Nova Visao*, Santa Maria, 2113 M in PP, anmts, ID in jingle. (4-Jul/Schaay-HOL)

11724.81 *Radio Marumby*, Florianapolis, 2059 Latin American song, PP speaker with ID. (4-Jul/Schaay-HOL)

11783.2 *Radio Nacional da Amazonia*; Brasilia, 2126-2132, Portuguese talk, jingles and IDs. (25-Jun/Veldhuis/DSWCI DX-Window/Krone)

11805.03 *Radio Globo*, Rio de Janeiro, 2050 PP announcements and telephoned report, jingle, talk, commercial, ID. (4-Jul/Schaay-HOL)

11915.07 *Radio Gaucha*, Porto Alegre, 2138 relaxed M speaker in Portuguese, ID and time signal at 2145. (4-Jul/Schaay-HOL)

**CHINA** *China Radio International* CRI uses relay stations in Canada, France, French Guiana, Mali, Russia, Spain and Switzerland. This schedule was compiled entirely from monitoring observations and only includes those transmissions heard recently by BBC Monitoring.

0000-0030	Hakka	15400 12015 11685 9440
		8260 7190 6140
0000-0100	English	11695v 9710v
0000-0100	Russian	7110 4883 4815
0000-0100	Spanish	11650 11445 7175
0030-0100	Chaozhou	15400 12015 11685 9440
		8260 7190
0030-0100	Portuguese	11500 7435
0100-0200	Cantonese	11695v 9710v
0100-0200	Spanish	11650 9565
0200-0300	Chinese	15435
0200-0300	Spanish	11650
0300-0400	English	9710 9690
0300-0400	Russian	15435 11755 11515
0300-0400	Spanish	11765 9560
0400-0500	Chinese	9710
0400-0500	English	9730 9560
0830-0930	Indonesian	17680 15600 15135 8660
0900-1000	Chinese	15180 12015 11945 11685
		11650 11500 9945 9480
		6590
0900-1000	English	11755 9785
0930-1030	Malay	17680 15135 8660
0930-1530	Japanese	9855 7190
1000-1100	Cantonese	11915 11650
1000-1100	Chinese	12015 11945 11840 11685
		6590 5270
1000-1100	English	11755 9785
1000-1100	Russian	11980 9725 7820 7110
		5145 4815
1030-1130	Cambodian	9870 9440 8260
1030-1130	Indonesian	15135 11445 8660
1100-1130	Esperanto	11575 9480
1100-1200	Cantonese	11945 11685 7335
1100-1200	Mongolian	5850 5145
1100-1200	Russian	9725 7820 7110
1100-1200	Vietnamese	9550
1100-1300	Korean	5965
1130-1200	Burmese	9880 8260
1130-1200	Tagalog/EE	11700 8660 6995
1130-1230	Thai	7350 6590
1200-1230	Tagalog/EE	12110 11700 8660
1200-1300	Cambodian	9870 9440 8260
1200-1300	Chinese	15260 11945 11685

1200-1300	English	11795 11660 9715 9565
		7385
1200-1300	Mongolian	5850 5145 4883 4815
1200-1300	Vietnamese	9550
1230-1330	Laotian	7350 6590
1230-1330	Malay	15135 11445 8660
1300-1330	Burmese	11780 9880 8260
1300-1400	Chinese	15260 11945 11685 9440
1300-1400	English	11980 11660 9715 7405
		7385 6140
1300-1400	Esperanto	11840 11600
1300-1400	Vietnamese	9550
1300-1500	Korean	5965
1300-1500	Russian	7820 5850 5145 4883
1330-1400	Burmese	11780 9880 8260
1330-1430	Indonesian	15135 11445 8660
1330-1430	Thai	7350 6590
1400-1430	Sinhalese	11780 7120
1400-1430	Tamil	11575 9457v
1400-1430	Turkish	11515 9480
1400-1500	Amoy	11685 11650 7335
1400-1500	Cambodian	9440 8260
1400-1500	English	11825 9535 7405 7160
1400-1500	Mongolian	4883 4815
1400-1500	Vietnamese	9550
1430-1500	Sinhalese	11780 7120
1430-1500	Tagalog/EE	9880 8660
1430-1500	Tamil	11575 9457v
1430-1530	Laotian	7350 6590 6010
1500-1530	Bengali	11825 8660 7335
1500-1530	Nepali	9535
1500-1530	Persian	11500 9440
1500-1600	Chinese	11980 9457 8260 7110
1500-1600	English	9785 7160
1500-1600	Hindi	11675 9920 7590
1500-1600	Pashto	11515 7480 5220
1500-1600	Russian	11650 9730 7375 4883
		4815
1500-1600	Vietnamese	9550
1530-1600	Bengali	11825 8660 7335 7180
1530-1600	Nepali	9535 7150 6590
1600-1630	Swahili	9457v 7335 6965 5250
1600-1630	Turkish	9785 7480
1600-1630	Urdu	9880 7590 7160 5220
1600-1700	Arabic	15540 9760 9440
1600-1700	English	15130 15110
1600-1700	Hakka	11825 9900
1600-1700	Hindi	11675 11325 9920 8660
1600-1700	Russian	11650 11500 9965v 9860
		9730 9655 7375
1600-1700	Vietnamese	7360 6590 6010
1630-1700	Swahili	9457 7335 6965 5250
1630-1700	Urdu	7590 7160 6920 5220
1700-1730	Swahili	15110 11790 9455 5250
1700-1800	Cantonese	9900 7180
1700-1800	English	11910 9570 7405 7160
		7150 5220
1700-1800	Russian	11650 11500 9860 9730
		9655 8220 7420 7375 6950
1730-1800	Hausa	15110 11790 7405 7235
		4960

1730-1830	Chinese	9820 7800 7335 7110 5250	2200-2230	Portuguese	7435 6950
1800-1830	Hausa	15110 11790 7405 7235 4960	2200-2300	English	9880
1800-1830	Hungarian	13865 9860 7385 6933	2200-2300	Spanish	13865 7360 6933
1800-1830	Persian	12065 11515 9440	2230-2300	Esperanto	9860 6950
1800-1900	German	9920 6950 5220	2230-2330	Chinese	15400 12065 12015 11685 9535 9440 8260 7335 7190 6140
1800-1900	Russian	11765 11685 9730 9535 9365 7420 7375	2300-2400	Russian	4883 4815
1830-1900	Bulgarian	13865v 9860 7385 6933	2300-2400	Spanish	15120 11875v
1830-1900	Italian	9965 7405 4960	2330-2400	Amoy	15400 12015 11685 9440 8260 7190 6140
1830-1900	Persian	11515 9785 9440			
1830-1930	Arabic	12035 11790 9770			
1830-1930	French	9820 7800 7335 7110 5250			
1900-1930	Albanian	9965 7385			
1900-1930	Czech	7375 6933			
1900-1930	Portuguese	9535 7180			
1900-1930	Romanian	9860 7305			
1900-1930	Turkish	9785 7405 4960			
1900-2000	Cantonese	11945 9730			
1900-2000	English	11515 9440			
1900-2000	German	9920 6950 5220			
1900-2000	Russian	11685 9365 7420 6935			
1930-2000	Albanian	9965 7405 4960			
1930-2000	Czech	7375 7305			
1930-2000	Portuguese	15110 7385			
1930-2000	Romanian	13865 9860 6933			
1930-2030	French	9820 7800 7335 7110 5250			
2000-2030	Chinese	6165-via Switzerland			
2000-2030	Esperanto	9965 7405 4960			
2000-2030	German	3985-via Switzerland			
2000-2030	Polish	13865 7375 6933 6150			
2000-2030	Serbo-Croat	9860 9365 7385			
2000-2100	Chinese	11650 11515 9730 9710 7660 7185			
2000-2100	English	15110 9920 9440 6950 5220			
2000-2100	Russian	11915 11765 7420			
2030-2100	Bulgarian	9860 6150			
2030-2100	French	3985-via Switzerland			
2030-2100	Hungarian	9365 6933			
2030-2100	Italian	9965 7385			
2030-2100	Polish	7405 7375 4960			
2030-2100	Serbo-Croat	6165-via Switzerland			
2030-2130	French	9890 9820 7800 7335 7110 5250			
2100-2130	Albanian	7405 6150			
2100-2130	English	15110 11715 9920 6950 5220			
2100-2130	English	3985-via Switzerland			
2100-2130	Italian	9965 9365			
2100-2130	Serbo-Croat	9860 7405 4960			
2100-2130	Spanish	6165-via Switzerland			
2100-2200	Arabic	11515 9440 7435 7260			
2100-2200	Spanish	7480 7360 6933			
2130-2200	English	9920 6950 5220			
2130-2200	Hungarian	6150			
2130-2200	Italian	3985-via Switzerland			
2130-2200	Portuguese	6165-via Switzerland			
2130-2230	French	11790 9820 9770 7800 7335 7110			

(BBCM)

**CNR Chinese World Network (CNR-6)** noted on new 9170 2140, Chinese, // 6790 (5-Jul/Padula/EDXP).

**CNR Network One**, observed on new 9610 with Chinese 2230-2300, // 7345. Severe co-channel QRM from BCC Network 1 (Taipei) (5-Jul/Padula/EDXP).

**CNR-4 Minorities** service observed on 9920 9775 8566 with Korean \*1000 (11-Jul/Padula-AUS/EDXP)

**CRI Beijing** observed on 7190, Chinese service \*2230-2327\*, Cantonese \*2330-2357\* (12-Jul/Padula-AUS/EDXP)

**Voice Of The Strait** sked; Address: PO Box 187, Fuzhou, Fujian 350012, China.

First Program ("**Haixia Zhi Sheng Guangbo Diantai Diyi Tao Jiemu**"):

0000-0010	Chinese	6115 5050 4940
0010-0055	Amoy	6115 5050 4940
0055-0200	Chinese	6165 5050 4940
0855-1000	Chinese	7280 6115 4940
1000-1010	Chinese	7280 6115 5508 4940 4130 2755
1010-1055	Amoy	7280 6115 5508 4940 4130 2755
1055-1130	Chinese	7280 6115 5508 4940 4130 2755
1130-1700	Chinese	5508 5050 4940 4130 3900 2755
2155-2400	Chinese	6115 5050 4940

Second Program ("**Haixia Zhi Sheng Guangbo Diantai Dier Tao Jiemu**"):

0255-0600	Chinese	9505 6000 Tu
0255-0610	Chinese	9505 6000 We-Mo
0610-0655	Amoy	9505 6000 We-Mo
0655-0700	Chinese	9505 6000 We-Mo
0955-1230	Chinese	6000 4900
1230-1300	Amoy	6000 4900
1300-1410	Chinese	6000 4900
1410-1455	Amoy	6000 4900
1455-1600	Chinese	6000 4900

(BBCM)

Fuzhou noted on 6185 1015-1030, Chinese (11-Jul/Padula-AUS/EDXP)

CPBS Taiwan Service sked: Station identification in Standard Chinese for both First and Second Programs: "Zhongyang Renmin Guangbo Diantai Xianzai Kaishi Dui Taiwan Guangbo" ("This is the Central People's Broadcasting Station. We now begin our broadcast to Taiwan"). First Program: "Di Yi Tao Jiemu" ("This is the First Program").

0000-0005	Chinese	11935 11000 9380
0055-0615	Chinese	15710 11935 11100
0955-1400	Chinese	11935 11100 9380
1400-1700	Chinese	11100 9380 7620
1700-2300	Chinese	9380 7620 6015
2300-2330	Chinese	11935 11000 9380
2330-2400	Hakka	11935 11000 9380

Second Program: "Di Er Tao Jiemu" ("This is the Second Program").

0000-0030	Hakka	11000 9170
0030-0105	Chinese	11000 9170
0355-0605	Chinese	15880 11000
0605-0955	Chinese	15880 11000 We-Mo
0955-1000	Chinese	15880 11000
1000-1030	Hakka	15880 11000
1030-1100	Amoy	15880 11000
1100-1300	Chinese	11000 9170
1300-1330	Hakka	11000 9170
1330-1400	Amoy	11000 9170
1400-1805	Chinese	11000 9170
2055-2200	Chinese	9170 6790
2200-2230	Amoy	9170 6790
2230-2235	Chinese	9170 6790
2235-2400	Chinese	11000 9170

(BBCM)

**CLANDESTINE—AFRICA Radio Voice of One Free Ethiopia** (Amharic: Andit Netsa Ethiopia Dimts Radio Agelilot) was first heard on 18th June 1997. Address: PO Box 5801, Washington DC 20016, USA. Aerial bearings indicate the use of a transmitter site in Central Asia. In its mode of operation and contact address is very similar to two earlier stations that were hostile to the current Ethiopian government: Voice of Ethiopian Patriotism (heard in 1992) and Free Radio Voice of Ethiopian Unity (heard in 1993-94). Both of these earlier radios announced postal addresses in Washington DC, broadcast from short-wave transmitters in the former Soviet Union, and only operated on Sundays and Wednesdays, as is also the case with Radio Voice of One Free Ethiopia. Sked 1615-1715 We/Su in Amharic on 12105kHz. (BBCM)

More info on anti-Nigerian broadcasters:

**Radio Kudirat Nigeria**, the Voice of Democracy (formerly Radio Democrat International) began broadcasting on 12th June 1996. It is opposed to the current Nigerian government and says that it is the voice of the Nigerian pro-democracy movement. It said that it was launched to complement the activities of its sister station, Freedom Radio (also

known as Freedom Frequency) which has broadcast on 99.9 MHz VHF/FM in the Lagos area in the past. It broadcasts from a 500-kW transmitter in South Africa. Contacts: Nalicon UK, PO Box 9663, London SE1 3LZ, UK Fax: +44-171-403-6985; E-mail: nalicon@postlin.demon.co.uk or: Nalicon USA: PO Box 175, Boston, MA 02131, USA Fax: +1-617-364-7362; E-mail: nalicon@nalicon.com Sked 1900-2010 in English and local languages on 6205 kHz. (BBCM)



**NADECO**  
National Democratic  
Coalition of Nigeria

514 10th Street, N.W. Suite #600  
Washington, DC 20004

Tel: (202) 347-1960 FAX: (202) 347 0921

**Radio Nadeco**, which describes itself as "the voice of free Nigeria," broadcasts in support of the National Democratic Coalition of Nigeria (Nadeco), and is opposed to the current Nigerian government. The broadcasts, which were inaugurated on 30th June 1997, are transmitted via WWCN, from 0500-0515 Mo-Fr on 5070 kHz. Address: Radio Nadeco, 514 10th St NW, Suite 600, Washington, DC 20004, USA Tel: +1-202-347-1960 Fax: +1-202-347-0921 URL: <http://www.panafrica.com/nadeco/nadeco.htm> (BBCM) Program is repeated Mo-Fr 1630-1645 on 15685 kHz. (Glenn Hauser, OK, and W.O.R. 901)

**Voice of Free Nigeria** is operated by the Free Nigeria Movement (FNM) which says that the station is intended to serve as a "source of information, education and entertainment to the Nigerian people" and will deal with "matters pertaining to Nigeria of the past, present and the future as envisioned by the FNM." It opposes the current Nigerian government and was inaugurated on 12th June 1997. Aerial bearings indicate the use of an African transmitter location. Sked 1900-2000 Saturday only on 11680, in English and vernaculars. Address: Voice of Free Nigeria, P.O.Box 441395, Indianapolis, IN 46244, USA. Tel: +1-317-216-4590, E-mail: [fnm@ix.netcom.com](mailto:fnm@ix.netcom.com) URL: <http://pw2.netcom.com/~fnm> (BBCM)

**CLANDESTINE—ASIA Radio of the Provisional Government of National Union and National Salvation of Cambodia** supports the Khmer Rouge.

1130-1300	Cambodian	5407v
2330-0100	Cambodian	5407v

(BBCM)

The **Voice of the People** (from South Korea) changed its schedule on June 25 as follows: 1100-2100 UTC 3912 kHz; 2300-0100 6518, 6600; 0300-0700 6600. (30-Jun/Yamashita/Asian Broadc Inst/DXW/WWDXC TopNews/Bueschel-FRG)

**CLANDESTINE—LATIN AMERICA** 6250, *R. Patria Libre*, 2210, this Colombian opposition radio station, which broadcasts in support of the Army of National Liberation (ELN), was observed with a program in Spanish in progress 2210 on 24th June. The broadcast, which lasted until 2233, included *Noticiero Patria Libre* (a news and political commentary program) and revolutionary songs.—The station announced at 2215 UTC that "we are on the air every day from 1300 [1800 UTC] and from 1700 [2200 UTC] on 6250 kHz in the 49 metre band."

At the end of the news bulletin, however, the following announcement was made: "Due to damage to a piece of our equipment, Radio Patria Libre will suspend its transmissions for an indefinite period of time. We will be informing you of the date of the re-start of our broadcasts."—The radio was not heard when checked on 25th June. (BBCM monitoring research 24-25 Jun/DSWCI DX-Window/Krone)

**CLANDESTINE—MIDEAST** *Voice of Free Tajikistan* (Tajik: Sado-i Tajikistan-i Ozod) broadcasts in opposition to the current government in Dushanbe and in support of various Tajik opposition groups based in Afghanistan such as the Islamic Rebirth Party. It also identifies itself as "the Messenger of Khorasan" (Tajik: *Payk-i Khorasan*). (Khorasan is the term used to describe the region in Central Asia once inhabited by Tajiks and Persians.) The station is believed to broadcast from northern Afghanistan.

0230-0330	Tajik/Russian	7100v 5960v
0330-0430	Tajik/Russian	7100v 5960v
0530-0630	Tajik/Russian	7100v 5960v
0630-0730	Tajik/Russian	7100v 5960v

(BBCM)

9564.95, *Voice of the Mojahed*, 1810-2000\*. FM'ing but strong station with non-AA middle eastern language talk, marches, and patriotic-sounding music, many mentions of Mojahedin and Iran. Not VO Iraqi People, since its presumed carrier was on 9568.44 at the same time. Break in program at 1914, when man spelled out an address with English letters including "GERMANY" and read some English (phone?) numbers: 0049221788765 and 0049221488797. Spelled 'SWEDEN' and 'STOCKXOLM' (sic) at 1955. Continued rants and ominous mx until 2000\*. Carrier stayed on until 2002. Same station that was being heard Thursdays only in October and November last year. (17-Jul/Novello-NC)

**COSTA RICA** *Radio For Peace International*, with a variety of programs in Spanish and English:

0000-0500	15050 7585U 7385
0500-1200	7585U 7385
1200-1700	7385
1700-2200	15050
2200-2400	15050 7385

(BBCM)

**CROATIA** 297 sked for *Croatian Radio*, Zagreb:

0000-0100	5895
0100-0300	5895 9520-Jülich
0300-0500	5895 9495-Jülich
0500-0600	5895 7165 9830
0500-0900	5920 7165 9830
0900-1100	5920 7165 9470-Jülich 9830
1100-1130	5920 7165 9830
1130-1500	5920 7165 13830
1500-1800	5895 7165 13830
1800-2000	5895 7165 9595-Jülich 11635
2000-2200	5895 7165 11635
2200-2300	5895 11635
2300-2400	5895

(Visser/rec.radio.shortwave/Ogrizek)

**GEORGIA** 9310 *Voice of Hope* 2003\* This one was supposed to move to 12120 at the beginning of June, but it's still here. Gives U.K. address at s/off. (7&12-Jul/Hil)

**GREECE** *ERT* Athens schedule via VoA Kavalla-GRC and Rhodes location:

6260	0000-0350
7430	0600-0800 & 1900-2050
7480	2100-2150
9375	0400-0550, 1200-1350, 1500-1700
9380	1900-2050
9520	0400-0600 & 1400-1450
9425	1715-1750, 2100-2350
9935	2300-2350
11575	1500-1700
11645	0000-0350, 0600-0800, 1400-1450, 1800-1850
15150	1800-1850
15175	1200-1350
15630	1715-1750

(ERT/WWDXC TopNews/Bueschel-FRG) [see also USA]

**HUNGARY** *Radio Budapest* made changes to its 297 sked on 1 July. Now using NF of 6120 for English to NA 0100-0130, ex 6075. Full English sked is:

0100-0130	6120 9580
0230-0300	9840 11910
1900-1930	3975 7155 9755
2100-2130	3975 7250 9835

(Padula-AUS/EDXP)

**INDONESIA** 3121.25v *RSPDT2 Halmahera Tengah*, Soasio, 1013-1022, very nice, lengthy lagu vocal by woman, chatter by male announcer at 1021. Fair signal but slowly drifting continuously between 3121.26 & 3121.21. Fair-good. (19-Jun/Clark/Grayland)

3249.85 *RRI Banjarmasin*, 1255-1301, female vocal to local ID by man at 1258, then into SCI and

Jakarta news at 1300. Very nice signal, but for het from OC of the Korean on 3250. Pyongyang B.S. popped on at 1300 with IS played twice, quick opening anmt and into anthem at 1301, thus partially masking the RRI. The other 90mb outlet from Kalimantan, RRI Samarinda-3295v, was seemingly inactive, at least for the local evening period, unheard on any date. (19-Jun/Clark/Grayland)

3264.71 tent **RRI Gorontalo**, June 28, 2158 with SCI (28-Jun/Norrie/DSWCI DX-Window/Krone)

3344.90 **RRI Ternate**, 2133, with ID (27-Jun/Norrie/DSWCI DX-Window/Krone)

3384.93 **RRI Kupang**, 1334-1339, male DJ hosting pgm of Indo pops. Strong and clear with the PNG off at this particular time. Indeed it is reactivated. (19-Jun/Clark/Grayland)

3541.97 **RSPDT2 Sumba Timur**, Waingapu, 1025-1028, lagu vocal in progress and somewhat garbled voice-over anmts by man; intb another vocal at 1028. Fair. (19-Jun/Clark/Grayland)

3646.05 **RRI Fak Fak** (presumed), 1425, Indo talk by man at weak level. Not on either 4789.1 or 7231.1 at this time. (20-Jun/Clark/Grayland)

3905.0 **RRI Merauke**; Irian Jaya, June 23, 1915-1940, Indonesian. Pop music, followed by announcements in which at 1930 then into Islamic chants.—very weak signal, but much better USB. (Clemitsen/DSWCI DX-Window/Krone)

3959.8 **RRI Palu**, 0949-0951, EZL vocal to 0950, brief anmt by man, then Call to Prayer. Surprising good and in the clear at this time. (18-Jun/Clark/Grayland)

3976.11 **RRI Pontianak**, 2245, with ID, fair signal in BI (28-Jun/Norrie/DSWCI DX-Window/Krone)

4606.42 **RRI Serui**, 0846+, pop vocals with wom-an pgm host. Strong signal, as noted same time-frame for other Irian Jaya signals (18-Jun/Clark/Grayland)

4789.12 **RRI Fak Fak** at 0840 ending Jakarta relay with anthem (18-Jun/Clark/Grayland)

4845.23 **RRI Ambon**, 0920, massive carrier but <10% modulation of Arabic-influenced Indo vocal that was barely detectable. (23-Jun/Clark/Grayland)

4920 **RRI Tanjung Karang** (WRTH lists Tanjung Pinang) in BI observed this nf til 1800 UTC close down. (30-Jun/Schulze-PHL/WWDXC TopNews/Bueschel-FRG)

5059 **RRI Yogyakarta**, 1515, Indonesian. Male announcer with IS ID in which Yogyakarta mentioned twice, and off. (17-Jun/Clemitsen/DSWCI DX-Window/Krone)

6069.82 **RRI Jayapura**, 0849, Arabic-influenced vocal by woman. Later, at 1315, had switched to alternate 6070.97 and noted with great lagu vocals. Both channels very strong. (19-Jun/Clark/Grayland)

6153.9 **RRI Biak** at 0901 with CTP. (18-Jun/Clark/Grayland)

6188.9 **RRI Manokwari**, 0855-0910, fair carrier at tune-in with audio starting to build: domestic vocal, 0858 anmts by man and local ID by woman, 0859 drums and nice local IS, woman w/presumed local news at 0900, CTP at 0904-0909, long pause followed by more Koran chants. (22-Jun/Clark/Grayland)

9741.92 **RRI Sorong**, 0732+, music bridge bracketing ongoing talk by local woman announcer. Usual closing is around 0757 and indeed it was gone at 0800 recheck. (18-Jun/Clark/Grayland)

Other RPD's logged, circa 1030 on both June 19 & 22, albeit with much weaker signals, were: **Soe-2580.5** (inactive July/96), **Ende-2694.95**, **Ngada-2899.37** (ex-2904.6), and **Ruteng-2960.15**. As in July/96, weak carrier noted on 3635.9 may have been RPD2 Buol, Tolitoli. (Clark/Grayland)

Unheard in mid-June and presumed inactive: 3578.0 **RPD Masohi**, 3987.15 **RRI Manokwari**, 4866.0 **RRI Wamena**, 4871.5 **RRI Wamena**, 4874.4 **RRI Sorong**, 5691.0 **RPD Tanjungredeb**, 5987.2 **RRI Manado**, 6024.7 **RRI Banjarmasin**, 6127.5 **RRI Nabire** (Clark/Grayland)

**IRAN VoIRI** Teheran replaces 9550 with 11790 kHz in Bengali at 1430-1530 and English at 1530-1630 UTC. (1-Jul/Das Gupta-IND/WWDXC TopNews/Bueschel-FRG) **VoIRI**-Teheran observed: 6165 English \*2030-2130\*, Indonesian or Malay \*0000-0030+ (apparent new service); 6175 English \*2030-2130, Farsi 2130-2300; 7130 Farsi 2225-2300; 7260 French 2230-2300. 28 June, (Padula-AUS/EDXP)

**ITALY** 9515 **RAI Radiouno**, Caltanissetta 2138-2200\* All talk in Italian with first one man, then two, then a woman; RAI ID at s/off. Very hummy carrier and poor level; perhaps it's the "Tahiti syndrome," where they're just letting the transmitter quietly expire. At any rate, I can well believe it's only 5 kw as listed. (11-Jul/Hill)

**JORDAN Jordan Radio Amman** schedule:

0300-0500	Arabic	9630 11810 15435
0500-0800	Arabic	11810 11835 15435
0800-1000	Arabic	11810
1000-1200	Arabic	11810 15355
1000-1630	English	11690
1200-1400	Arabic	11810 13630
1400-1500	Arabic	13630

1500-1530 Arabic 6105 7155 13630  
 1530-1700 Arabic 6105 7155  
 1700-2100 Arabic 6105 7155 15435  
 2100-0100 Arabic 6105 11935 15435  
 (Patrick/WDXC Contact/WWDXC TopNews/Bueschel-FRG)

**KIRIBATI** 9809.96U R. Kiribati, 0640+, long talk by man in I-Kiribati, perhaps related to a special event (see also below) as 0600-0700 is normally the English hour. Gangbusters signal! (18-Jun/Clark/Grayland)

**KUWAIT** Final J97 sked for *Radio Kuwait*:

0000-0530	English	11675	
0200-0400	Arabic	6055 15495	
0400-0445	Arabic	6055 15495 15505	
0445-0805	Arabic	6055 15110 15495 15505	
0805-0815	Arabic	6055 15110 15495	
0815-0900	Arabic	6055 15110 15495 15505	
0900-0930	Arabic	6055 15110 15495 15505	
		17885	
0930-1305	Arabic	6055 9880 15495 15505	
		17885	
0930-1605	English	13620	
1305-1315	Arabic	15505 17885	
1315-1505	Arabic	9880 11990 15110 15505	
		17885	
1505-1730	Arabic	9880 11990 15110 15505	
1730-1740	Arabic	9880 11990 15505	
1740-1800	Arabic	9880 11990	
1745-1800	English	15505	
1800-2100	English	11990 15505	
1800-2130	Arabic	9855 9880 15495	
2100-2300	English	15505	
2130-2400	Arabic	9855 15495	

(7-Jul/Vissers/Ogrizek/EDXP/WWDXC TopNews/Bueschel-FRG)

**LAOS** Vientiane observed on 6130 with Laotian HS 1035-1100, also 2200-2230 (11-Jul/Padula-AUS/EDXP).

6973v Louang Prabang regional, 1220-1222, segment of domestic music (after news), then into talk by man & woman, continuing to relay Lao National Radio, // on 6130. Rather weak but surprisingly clear; 6130 was very good. (18-Jun/Clark/Grayland)

**LIBYA** LJB noted around 2045 UTC on all three 19 mB channels: 15235, 15415, 15435. 15415 with good signal, 15235 and 15435 much weaker - obviously beamed to other targets than Europe. All in // with talks in Arabic, as usual tinny sound on really low modulation depth. (6-Jul/Ludwig-FRG/WWDXC TopNews/Bueschel-FRG)

**MALAWI** 7130 *MBC*; either Blantyre or Limbe, 1300-1445, Chichewa, 1300 Female announcer with

I/D and African news. Commercial for "Flamingo Soap." T/S Islamic service from Islamic Center Mastinga. More commercials at 1330, followed by male with talk program and some Gospel music. 1400 English ID and local news the "Big time music—Pop sound" program, SINPO 55555 (Not logged Malawi on this frequency before, and can find no previous log of it on my records—possible new frequency?) (20-Jun/Clemiston/DSWCI DX-Window/Krone)

**MALAYSIA** 7295 *RTM Radio 4*, Kuala Lumpur, 1410, Radio 4 promo jingle and ads in English. Fair but hardly overpowering for listed 100 kW. (19-Jun/Clark/Grayland)

Kuala Lumpur Malay service observed regularly on 5965, 24 hours operation, such as 2100-2200 with co-channel QRM from BBC-Nahkan, 27 June. Noted on 9750 at s/on 2200 with Indonesian. Also, on 7295 with morning English service 2330-2355, (28-Jun/Padula-AUS/EDXP)

**MALAYSIA—SARAWAK** 5005.1 *RTM*, Sibü, 1332, Koran chants w/powerful signal (R. Nepal a mere het on nominally lower freq), // good Kuching-4894.97 but Miri on 3384.9v unheard and probably inactive. Also noted *RTM Kuching* on 5029.97, also with Koran chants at 1341. Good on LSB, tuned away from the Chinese outlet on 5030. (19-Jun/Clark/Grayland) Local programs in Iban from Sibü noted on 6050//5005 1000-1030; at 1030, Sibü observed with Network Program in Iban, parallel with Miri 6060, Kuching 7270. Local programs resumed at 1035, with telephone calls (11-Jul/Padula/EDXP)

**MOLDOVA** *Radio Moldova International* schedule, all via transmitters located in Galbeni, Romania:

0230-0255	Spanish	9400
0300-0325	Romanian	7520
0330-0355	English	7520
0400-0425	Russian	7520
0430-0455	English	7520
1230-1300	Romanian	9400
1300-1325	Spanish	11580
1830-1855	Russian	7520
1900-1925	French	7520
1930-1955	Spanish	7520
2000-2025	French	7520
2030-2055	Spanish	7520
2200-2255	English	7520

(BBCM)

**MONGOLIA** *Radio Free Asia* via Ulan Bator:

0030-0130	Burmese	11580
1530-1630	Korean	5855
2200-2300	Korean	7470/alt 7460
2330-0030	Vietnamese	11580

(Rudnev-RUS)

**NICARAGUA** *Radio Miskut* still operates on 5770 and will continue. Current power is adequate only for reliable local reception. Please do not assume that time on SW 5770 is nearing an end! In actuality a new SW xmtr is being readied and will be on line as soon as transportation is available. It should provide the authorized power of 500 watts. In June, operations began on 104 MHz FM with coverage of the local area using the identical feed from the low power 5770 transmissions. MW operations will probably not be initiated currently. With proposed SW antenna improvements, and new xmtr, it is expected that SW reception will be greatly enhanced, and new program material is contemplated including "The Atlantic Baseball Net" featuring live sports-casts of games. Broadcasting operations run by indigenous groups in Latin America are quite rare. Radio Miskut is one such and has a dedicated regional audience. While money is very scarce, ingenuity is not. The FM operations are currently going by the name "Radio Bilwi." Bilwi is the indigenous name for the city of Puerto Cabezas, Nicaragua. Later there may be some differences in program material on the SW and FM frequencies. More later. (John C. Freeman, Tech Systems, July 2 on WORLD OF RADIO 901) John has made assisting Radio Miskut his personal mission. See his article a few months ago in MONITORING TIMES. Before and after 1200 UT on July 9 and 10 I was able to detect a very weak broadcast signal on 5770-USB, presumably this (Glenn Hauser, Oklahoma)

**NIGERIA** *Voice of Nigeria* sked:

0500-0700	English	7255
0700-0800	French	7255
0800-0900	Hausa	7255
0900-1000	Fulfulde	7255
1000-1100	English	7255
1100-1200	French	7255
1200-1300	Hausa	7255
1300-1400	Fulfulde	7255
1400-1500	Swahili	7255
1500-1700	English	7255
1700-1800	Arabic	7255
1800-1900	French	7255
1900-2100	English	7255
2100-2200	Fulfulde	7255
2200-2300	Hausa	7255

(BBCM)

**PAPUA NEW GUINEA** 2410 *Radio Enga*, Wabag, 0840-0901, island vocals, male DJ with TC's and local anmts in mix of Pidgin & English; relayed national news in English at 0900, //4890. (19-Jun/Clark/Grayland)

Notwithstanding presumed local power problems causing some of the PNG's to be off-air intermittently, a 90mb survey immediately preceding (0820-0840) revealed all PNG outlets to be on with signals varying from good to excellent, other than 3235 (OC

present) and the sole inactive, 3290. 3305 and 3365 in particular have been less than reliable in recent past and were both off-air during the July/96 Grayland DXped. We don't claim it was good planning but this time, the fact national elections were taking place surely aided and abetted the degree of activity, with most Kundu stations staying on late. (Clark/Grayland)

**PERU** 4565.9v *R. Gotas de Oro*, Chiclayo, fair 0939 w/continuous Peruvian and LAM music, W slogans such as "Todo el Peru esta con Gotas de Oro." Drifted from to 4567.2 within half hour. (28-Jun/deCastro-BRZ)

4969.13 *Radio Imagen*, Tarapoto; 1000-1030 The first morning show *El Tuta Tuta Madrugador* with cumbia peruana and light talk by Harry del Castillo. At 1028 the station identified itself as "Desde Tarapoto, la ciudad de palmeras, transmite en los 102.3MHz frecuencia modulada estereo, 1160kHz onda media, y 4970kHz onda corta banda internacional de 60 metros, Radio Imagen, l a radio que hace amigos." (28-Jun/Nozaki-JPN/Relampago DX)

5730 *R. Santiago*, Rio Santiago, first heard July 12 at 1138, and next day from \*1112 with old-time romantic music, local announcements. Not heard evenings due to fax/RTTY signal (Fernando Vilorio, Venezuela, World of Radio 902/Hauser)

5767.1 now identifies itself as *Radio Master*. QTH still Moyobamba. Is ex-R Universal, ex-ex-R. Estelar, ex-ex-ex Estacion Soritor. First noted with new slogan June 25 in the local morning hours. (Klemetz-Newsflash/DX Windows/HotNews/Nordic SW Center/DSWCI)

6676.2 New is *Radio Huamachuco*, 6676.2, first logged on May 30 at 2330, with 30 minutes of esoteric stuff followed by folklore. Probably same station listed in WRTH '97 on MW 900. (Klemetz-COL/DX Windows/HotNews/Nordic SW Center/DSWCI)

**PHILIPPINES** *FEBC's* usual convoluted sked:

0100-0300	English	15450
0115-0130	Atsi	15465 Th-Sa
0115-0130	Lushai	15465 Mo
0115-0130	Maru	15465 Tu/We
0130-0145	Kuki	15465 Fr-Su
0130-0145	Meithei	15465 Mo-Th
0145-0200	Naga-Ao	15465 Sa/Su
0200-0215	Karbi	15465 Su
0200-0215	Lushai	15465 Sa
0500-0900	Chinese	15450
0800-0830	Sasak	12005
0830-0900	Javanese	12005 Su/Tu/Th/Sa
0830-0900	Sundanese	12005 Mo/We/Fr
0900-1000	Indonesian	12005
0900-1600	Chinese	9405
0930-1100	English	11635
0945-1015	Batak	15095

1000-1030	Amoy	9475
1000-1030	Minangkabau	12005
1015-1045	Malay	15095 Su/Tu/Th/Sa
1030-1045	Mien	11610
1030-1045	Mnong	11610 Sa
1030-1100	Swatow	9475
1045-1100	Khmu	11610
1045-1115	Aceh	15095
1100-1130	Hmong	11610
1100-1130	Zhuang	9475
1115-1130	Eastern Cham	9795 We
1115-1130	Katu	9795 Tu
1115-1130	Muong	9795 Th
1115-1130	Nung	9795 Mo
1115-1130	Stieng	9795 Sa/Su
1115-1145	Bahnar	15095 Fr
1130-1145	Black Tai	9795 Mo/Sa
1130-1145	Bru	9795 Tu
1130-1145	Chru	9795 We
1130-1145	Jeh	9795 Th
1130-1145	Mon	15095
1130-1200	Chrau	9795 Su
1130-1200	Laotian	11610
1130-1330	Cantonese	9475
1145-1200	Karen-Sgaw	15095
1145-1200	Rengao	9795 Th
1145-1200	Roglai	9795 We
1145-1200	Sedang	9795 Fr
1145-1200	Tho	9795 Tu
1145-1200	White Tai	9795 Mo/Sa
1200-1215	Rawang	15095
1200-1300	Cambodian	11610
1200-1300	Vietnamese	9795
1215-1230	Lisu	15095
1230-1345	Burmese	15095
1300-1315	Black Tai	9795 Mo
1300-1315	Koho	9795 Tu
1300-1330	Jarai	9795 Fr
1300-1330	Koho	9795 Su/Th
1300-1330	Rade	9795 We/Sa
1300-1430	Cantonese	1458
1300-1600	English	11995
1315-1330	Hre	9795 Tu
1315-1330	Mnong	9795 Mo
1330-1345	Jingpo	9795
1330-1400	Amoy	9475
1345-1400	Chin-Daai	15095
1345-1400	Mien	9795
1400-1415	Karen-Pwo	15095 Sa/Su
1400-1415	Palaung	15095 Mo-Fr
1400-1600	Chinese	9475
1415-1430	Chin-Haka	15095 Mo-We
1415-1430	Chin-Tidim	15095 Th-Sa
1415-1430	Lushai	15095 Su
2200-0000	Chinese	9405
2230-2300	Laotian	9875
2230-2315	Cambodian	9495
2230-2330	Indonesian	9780
2300-2315	Akha	11650 Sa-Su
2300-2330	Hmong	9875
2315-0015	Vietnamese	9495
2315-2330	Lahu	11650

2330-0115	Burmese	15465
2330-2345	Wa	11650
2345-0030	Shan	15520

(BBCM)

**Radio Pilipinas** schedule: Tinang 0230-0330 UTC 11885 15120 15270. 1730-1930 11720 11890 15190. Poro 0330-0400 13770 15330 17730. (R. Pilipinas/WWDXC TopNews/Bueschel-FRG)

Abrief news item in the 2nd May edition of 'Asian Advertising and Marketing' magazine...said that the Philippines govt has notified US that it must close **Voice of America** facilities in North Luzon by the end of May. The Philippines wants to develop the 20 hectare property into an eco-tourism park. Well, that would be the VOA relay stn at Poro, and it is still txing VOA progrs. The Poro facility has a one million watt MW tx on 1143 and six SW txs. I inquired about the, but the International Broadcasting Bureau—VOA's parent agency—has no comment about the future of the Poro site. If the Poro facility were to be closed, the US SW relays now being built on Tinian in the Northern Mariana Islands could substitute but at a greater distance from the target. Because Radio Free Asia [RFA] so far has no permission to use relay facilities in the Philippines or Thailand, Tinian will likely be heavily used by RFA with little tx time left over for VOA. US international bc'ing is faced with the dilemma of finding txs for not one but two international bc'ing sites with what may be a shrinking number of relay sites. This is further complicated by an amendment this week in the House of Representatives to increase funding for Radio Free Asia with a "sense of the Congress" provision that RFA should become a 24-hour service. (14-Jun/BBCM/WWDXC TopNews/Bueschel-FRG)

**RADIO FREE ASIA** President Clinton and "many members of Congress" are backing a proposal to step up US international broadcasts to China, the Voice of America's *Communications World* program reported on 29th June.

It said that, "if the legislation does become law, the Broadcasting Board of Governors [which oversees US international broadcasting] would work out the specifics of the expansion. This would probably include stepping up Mandarin [Standard Chinese] broadcasting to 24 hours a day."

The report said the 24 hour-a-day Mandarin service would be shared between VOA and Radio Free Asia (RFA). RFA would also add a Cantonese service, its eighth language service.

*Communications World* noted that "news accounts have also mentioned broadcasts in additional Chinese dialects." It said the increased US broadcasting to China was expected to cost about 40m dollars. (Voice of America 29 Jun 97 & 21 Jun 97 via BBCM/DSWCI DX-Window/Krone) [see also **MON-GOLIA** and **USA/KNLS**]

**RUSSIA** Frequency changes as fr 1st July:

**Radio Rossii:** 12060 0430-1800, 15455 0430-0700, 15465 0730-1400

**Voice of Russia:** Vietn 1200-1300 15500 (x15560), also Engl 1100-1200, Engl 1300-1400. Hindi 1300-1400 15560 (x15490), Urdu 1400-1500. (8-Jul/Lieberwirth-FRG/WWDXC TopNews/Bueschel-FRG)

**Radio Station Tikhyy Okean:**

0715-0800 7185 7210 7490U 9670 9825 10344U  
12055 12070 15490  
0715-0800 5940 7320 9530 9600 Sa/Su  
1115-1200 5015  
1800-1845 5960 7170 7240 9735 9825 9895  
11655 11775

**Special Program For Fishermen** from Petropavlovsk-Kamchatskiy:

1900-2000 7300 12050 Tu/Th/Sa

**RFI** via Russia:

0930-1030 Chinese 12025-Irkutsk  
1100-1300 Lao/Khmer 12025-Irkutsk  
1200-1300 Chinese 12075\*-Novosibirsk  
2200-2300 Chinese 7420-Novosibirsk  
9830-Vladivostok  
2300-2400 French 12005-Vladivostok  
2300-0100 French 12025-Irkutsk

(\*=7430 from 9-September)

**Deutsche Welle** via Russia:

via Samara (GPR-3):

0000-0100 Russian 5925  
0200-0250 English 12045  
0900-0950 Farsi 12045  
1400-1800 German 12055  
1500-1900 Russian 9800  
1600-2000 German 9835  
1700-1750 Farsi 5935  
1900-2000 Romanian 9470

via Krasnodar (TCR-4):

1300-1600 Arabic 12015  
1700-1750 Farsi 7305

via Novosibirsk (GPR-11):

0100-0150 Bengali 12045  
1000-1050 Chinese 15610/alt 7390  
1000-1400 German 12000  
1330-1355 Chinese 9450/alt 7390  
1430-1650 Urdu/  
Hindi/EE 9825

2200-2250 Indonesian 7140  
2200-2400 German 7340/alt 11795 via  
Irkutsk (GPR-10):

0900-0950 English 12055  
1230-1300 Japanese 12055  
1900-2100 Russian 7255  
via Vladivostok (TCR-6):  
0000-0100 Russian 12065

via Petropavlovsk-Kamchatskiy (PKR):

0000-0100 Russian 12045  
1000-1650 Chinese 9450  
1300-1355 Chinese 5985

(Rudnev-RUS)

**SAO TOME** IBB introduced a revised sked on 1 July, and the Sao Tome facility now uses 60mb for **VOA** programs as follows:

0300-0330 English 4960 Su-Th  
0500-0530 Hausa 4960  
0530-0630 French 4960 Mo-Fr  
1900-1930 English 4950 Sa  
1930-2030 English 4950  
2030-2100 English 4950 Sa/Su  
2030-2100 Hausa 4950 Mo-Fr

(11-Jul/IBB/Padula-AUS/EDXP)

**SINGAPORE** The Singapore Post has just returned my reception report to **BBC Far Eastern Relay Station** (3915 kHz), due to "Old P.O. Box," so DX'ers are advised to not use this address anymore. (deCastro-BRZ)

**SLOVAKIA** **Radio Slovakia International** has the following new address: P.O.Box 55, SLO-810-05, Bratislava 15, Slovakia. New phone: (+421) 7-4317742 (Fratik/Sennewald-FRG/Play DX/TFW/WWDXC TopNews/Bueschel-FRG)

**Sked:**

0100-0130 English 9440 7300 5930  
0130-0200 Slovak 9440 7300 5930  
0200-0230 French 9440 7300 5930  
0800-0830 German 7300 6055  
0830-0900 English 17570 15460 11990  
0900-0930 Slovak 17570 15460 11990  
1300-1330 Russian 13715 11990 9440  
1330-1400 German 7345 6055 5915  
1500-1600 Slovak 7345 6055 5915  
1600-1630 French 7345 6055 5915  
1630-1700 English 7345 6055 5915  
1700-1730 Slovak 7345 6055 5915  
1730-1800 Russian 9485 7345 5915  
1800-1830 German 7345 6055 5915  
1830-1900 English 7345 6055 5915  
1900-1930 Slovak 7345 6055 5915  
1930-2000 French 7345 6055 5915

(BBCM)

**SOLOMON ISLANDS** 5019.98 **SIBC**, 0707, woman in English concluding "that's the news for the region," ad for a wholesale store in Honiara, then local anmts in Pidgin+English. Very strong, but notwithstanding recently published BBCM sked, unheard this or any subsequent date on either 9545 or MW-1035. 9545 is certainly off and has been for maybe 2 years now. (18-Jun/Clark/Grayland)

**SWAZILAND** 9600 *Trans World Radio* 1825-1900\* Apparently TWR has added a new language and freq for its Africa service. After interlude of gospel instrumentals, ID at 1830: "Vous etes a l'ecoute de Trans World Radio. Les programs suivants sont a langue Baule." Baule, a vernacular spoken in Cote d'Ivoire, doesn't appear in the current roster of TWR languages. At s/off, gives address of B.P. 2131, Abidjan 06, Cote d'Ivoire. A brief English announcement doesn't give any sked info or, for that matter, the transmitter location—which I assume is Swaziland, as the much stronger SENTECH relay is on 9510 at this time. (7&9-Jul/Hill) Caught its signoff routine; after the Cote d'Ivoire address is read, the English announcement says "You have been listening to the international voice of Trans World Radio. Trans World Radio now leaves this frequency." This is followed by one iteration of the TWR-Swaziland IS. (18-Jul/Novello-NC)

**THAILAND** *Radio Thailand* sked, with (\*) marking broadcasts via VOA Udon Thani relay station:

0000-0030	English	11905 9690* 9655
0030-0100	English	15370* 11905 9655
0100-0200	Thai	15370* 11905 9655
0300-0330	English	15370* 11905 9655
0330-0430	Thai	15370* 11905 9655
0530-0600	English	15115* 11905 9655
1100-1115	Vietnamese	11905 9655 7260*
1115-1130	Cambodian	11905 9655 7260*
1130-1145	Lao	11905 9655 6030*
1145-1200	Burmese	11905 9655 6030*
1200-1215	Malay	11905 11805* 9655
1215-1230	Indonesian	11905 11805* 9655
1230-1300	English	11905 9885* 9655 9505
1300-1315	Japanese	11905 11850* 9655
1315-1330	Chinese	11905 11850* 9655
1330-1400	Thai	11955* 11905 9655
1400-1430	English	11905 9830* 9655
1800-1900	Thai	11905 9690* 9655
1900-2000	English	11905 9655 7210*
2000-2015	German	11905 9680* 9655
2015-2030	French	11905 9680* 9655
2030-2045	English	11905 9680* 9655
2045-2115	Thai	11905 9680* 9655

(BBCM)

6149.4 *Or Sor*, Royal Thai Palace, Bangkok, 1156-1202:40\*, listing this as tentative but strongly presumed, first noted with very low level talk by woman to 1158, then bits of orchestral or band music (anthem?) until the moderate strength carrier was cut. (20-Jun/Clark/Grayland)

**TURKEY** As of 1 July, *VO Turkey* made changes:

DEL 13670	0700-0900
DEL 13670	1300-1500
DEL 6135	2200-2300

DEL 6170 0400-0700

ADD 15240 0400-0700

(27-Jun/TRT Engineering/WWDXC TopNews/Bueschel-FRG)

**TURKMENISTAN** The English Service of *Turkmen Radio* is back on the air, but in a reduced form with 10 minutes of news and information only. It is now broadcast at 1400 UTC on Tuesday, Thursday, Friday & Sunday on 279, 675, and 5015 kHz. The address is: Turkmen Radio, English Service, Mollanepes Street 3, 774000 Ashgabat (van Delft/DSWCI DX-Window/Krone)

**USA** *Radio Free Asia* via KNLS Alaska:

2100-2200	Chinese	11765
2200-2300	Korean	11785
2300-2400	Chinese	11785

(Rudnev-RUS)

Beginning 19-July, *Voice of Greece* from US/VOA sites:

0600-0800	9775-Delano to Australia/Pacific
0900-0950	9775-Delano to Australia
1200-1350	9590-Greenville to Canada
1830-2200	11730-Delano to Canada
1830-2200	17745-Greenville to Latin America

(19-Jul/Kim A. Elliot/VOA Communications World) [Of course, any "spillage" of these signals into the U.S. would be completely unintentional...AJ]

Florida has another 26 MHz SW station, starting a couple weeks ago on 26470, audible during sporadic-E openings, operated by *WJFP*, 91.1 FM, Fort Pierce. I called the station and found out that they use 75 watts to a 5-element horizontal antenna aimed toward Chicago. They have had reports from as far as Michigan, Washington, Quebec, Haiti and Venezuela. Although officially a cuing unit, they refer to this openly as a "lowpower shortwave service" and the organization plans to put two more on the air, unknown from where (Alan Roberts, PQ, July 16, World of Radio 902)

**WSHB/KHBI** Schedule changes from 8 July until the end of the Z-97 season: ADD: WSHB 15280 2200-2300 500kW 137 degrees to zone 13; ADD: WSHB 15280 2300-0000 500kW 167 degrees to zones 11, 12,13,14; ADD: KHBI 9385 0900-1000 100kW 195 degrees to zones 55, 56,58,59; ADD: KHBI 9385 1100-1300 100kW 195 degrees to zones 55, 56,58,59. (17-Jun/German/EDXP/Padula-AUS)

**WWCR** operates four separate services from its four 100-kW transmitters, as indicated below. One transmitter (marked ENGLISH-2) is used entirely by Dr Gene Scott's University Network; Another (marked ENGLISH-4) is used entirely by Brother R.G. Stair's Overcomer Ministry. These are evangelical

programs which may also be heard in parallel on other stations. RTE (Dublin) broadcasts are carried via Network 3 at various times. This schedule is valid from 1st July-31st August 1997.

0000-0400	English-1	3215
0400-1000	English-1	3210
1000-2200	English-1	15685
2200-2400	English-1	9475
0000-0200	English-2	13845
0200-1200	English-2	5935
1200-2400	English-2	13845
0000-1300	English-3	5070
1300-2100	English-3	12160
2100-2400	English-3	5070
0000-0500	English-4	7435
0500-1200	English-4	2390
1200-1300	English-4	12160
1300-2200	English-4	9475
2200-2400	English-4	7435

(BBCM)

**UZBEKISTAN** 9375 R. *Tashkent* \*0130 New, unlisted freq coming on in presumed Uzbek after IS; into Central Asian vocals past 0145. This and // 9530 weak, struggling to stay above the noise. (12-Jul/Hill)

**VANUATU** 3945 R. *Vanuatu*, 0633, with local messages in presumed Bislama + English. Strong, but neither 7260 nor 4960 were in // use to 0700 on this or any of the five subsequent DXped dates. (18-Jun/Clark/Grayland)

**VATICAN CITY** *Vatican Radio* has it's crooked channel ex-5882 now corrected to 5885. (8-Jul/Bergmann-FRG/WWDXC TopNews/Bueschel-FRG)

**UNIDENTIFIED** 5040 UnID 2145-2215\* Since June 8, someone audible from around 2145 with mostly operatic music past the hour till about 2215, when audio ceases but carrier stays on past 2300. Announcements are infrequent and brief, so I haven't been able to pin down the language. I suppose this could be Georgian R., although when it's active, Tbilisi is usually strong and steady, with stomach-turning audio quality. This one is puny and choppy and has decent audio. It acts more like a longpath antipodal signal, possibly RRI Pekanbaru. But why would they be going off—rather than coming on—at 2215? And opera isn't exactly a staple of RRI stations, either. "Is a puzzlement!" (Hill)

5965, UNID African., 1730,1800, heard after R Sweden sign off 1700 and Slovakia sign off 1730. At 1800 I hear Malaysia once in a while only. Programs are of a religious nature in an African language. Anybody out there who knows! Please send me a fax with your solution of the problem! I can't be reached by e-mail, but fax number is: +46-0498-264568. (BEFF) 5965, UNID African, July 7, 1745-

1759, very weak under Malaysia, on Bjorns tip. Let us see what this turns out to be (Krone/DSWCI DX-Window/Krone)

7543.5-LSB, UNID (Mexican?), June 19, 2345-0030, in the two weeks since I first reported the station on 7543.5-LSB, I have seen absolutely no reports of anyone else hearing it. I checked again the following evening, June 19, and it started to fade in around 2345; at 0025 some talk, 0030 music, occasional talk, but far too much splash from WSHB-7535 to understand anything. June 20, I checked earlier in the morning at 1100, but nothing heard until a weak carrier around 1200; audio faded in at 1223 with preaching in progress. No further checks were made while I was on vacation until June 28 when the Spanish preacher was seemingly turned on in progress around 1226; still audible at 1350 with some music breaks. Next check July 1 at \*1241 but too weak to copy; 1255 faded in stronger with preaching, 1315 music; at 1342 ending *Una Voz en el Aire* program with Mexican music, and starting *Una Cita con Dios* giving an address on Central Avenida in Los Angeles; 1359 *Fragmentos de Inspiracion* within Cita show; 1410 repeated L.A. address, 1411 ending program, dead air for a minute, 1412 music; 1438 recheck with hoarse English-accented preacher in Spanish; 1507 still audible but weaker, and gone by 1525. Never any s/on, s/off or IDs heard other than names of programs. Perhaps this is a Mexican aficionado doing his part for evangelism, and his clock is 12 minutes slow or 18 minutes fast...July 2, tune-in at 1221 to find it already on air with usual fare, but had moved up to 7544.1, still audible at 1455 (Hauser) Thanks to three former colleagues in Florida who have checked out my unID on 7544v. David Crawford had it July 4 at 1330 on 7543.8 LSB plus carrier, charismatic-style service in Spanish. Terry Krueger listened July 5 on 7543.6 at 0229-0249, clear and weak with sermon; sounded very low power, very far away or both. Robert Wilkner had it at 2330 on 7544.06 July 5, and at 1023 past 1050 on 7543.42v. I still detect it most mornings around 1230-1300, but my patience is running short with a station barely audible which will not identify itself. Monitoring in various parts of Latin America might give us a clue to location based on strength, and direction-finding would also be a big help (10-Jul/Hauser/WOR/WWDXC TopNews/Bueschel-FRG)

UNID African stn noted using 9710 at 1300-1500 UTC, but on June 7th only. In Vernaculars, sports report, mentioned Zambia, South AF, Congo, Nigeria, Angola. This is a former frequency of MBC Mauritius, which has future plans to use 4855 & 9710 again at 1300-0200 UTC, acc. WRTH '97. (30-Jun/Schulze-PHL/WWDXC TopNews/Bueschel-FRG) WRTH '97. (30-Jun/Schulze-PHL/WWDXC TopNews/Bueschel-FRG)

# Pirate Radio Report

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

## E-Mail Address Change

Effective Immediately, my primary email address is: lobdell@tiac.net with the backup one being lobdell@worldnet.att.net. I have discontinued the "usa1" account due to poor service.

## Pirate Popularity Poll Results

Here are the results of your votes for your three favorite pirate stations:

1. RADIO AZTECA
2. RADIO FREE SPEECH
3. RADIO METALLICA WORLDWIDE

Radio Azteca was clearly the winner with more first place votes than any other station. It was interesting to see RADIO METALLICA WORLDWIDE make the poll as the station only started operations in May! Other stations receiving honorable mention are WLIS, MYSTERY RADIO, KOLD and WPN.

For the "Hall Of Fame" category we had some interesting entries.

Dan McCarthy of Georgia said his favorite station of all time was WBAD-Daytona Beach with a nice oldies format that was active on a regular basis back in 1979.

Gerry Bishop in Florida checked in with his all time favorite as THE VOICE OF THE VOYAGER which used to broadcast from "one mile north of nowhere" which turned out to be in MN. Maryanne Kehoe also in Georgia said that the RADIO AZTECA "Kulpsville Especial #1" was hilarious, especially the part "the Kulpsville Weekend Schedule" section. Your editor's favorite will always be the October 1995 K2000 "JTA Trial-DX Smartyline" show. A classic with many DX "in jokes".

I'd like to thank all of you who voted. For those of you who didn't, there is always next year.

## K2000 Kaput?

Rumor has it that this popular pirate has disbanded. Bob Rock, the primary "mover and shaker" and founder left the crew some months ago and we've heard the rest of the crew lacks a transmitter. I understand that a new show called "Abortion '97" was produced. Will we ever get a chance to hear it?

Time will tell, I guess.

## Loggings, Etc.

New reporter Etan Ben-Ami from Michigan checks in with a logging of KRAP. He heard them on June 26<sup>th</sup> from 00:55 until 01:23 UTC on the usual pirate frequency of 6955 kHz. Etan's reception was great on his Yacht Boy 400 portable. The announcer, Fred Flintstone ID'd his station as "You're listening to that little brown spot on your radio dial, KRAP".

The July 4<sup>th</sup> holiday weekend brought out many pirates, including numerous broadcasts by RADIO METALLICA WORLDWIDE. Here are a few heard by your editor.

HKMS-HAROLD KRISHNA'S MUSIC SERVICE seems to be an offshoot of Partial India Radio. This station was noted at 13:02 UTC on July 4<sup>th</sup> on 6955 kHz USB. Harold was playing his favorite tunes that normally do not receive airplay. They use Box 146, Stoneham, MA 02180 as their maildrop.

RADIO ECLIPSE was heard various times over the holiday weekend. The good news was that Steve Mann "came out of the closet" and is now using a maildrop, which is Box 28413, Providence, RI 02908.

Until next month, Happy Pirate DX—Chris

# QSL Report

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

**DIRECTORATE GENERAL ALL INDIA RADIO**  
A.V. Bhawan, Sansad Marg,  
New Delhi-110001 INDIA

No. 2/147/EIII Dated 11.2.97

Dear Sir/Madam,

We gratefully acknowledge and confirm your Reception Report

Date 10.1.97 Frequency 7.250 kHz  
Time 01:21 Station PANAMA  
UTC

Yours faithfully,  
**(A.K. BHATNAGAR)**  
Director (Freq. Assignments)

*P. Bhattacharya*

Director (Int. Affairs) (1st Dept.)  
Telephone (Int. Affairs) 23333333

O.I.G.S.



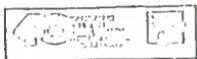
MR. JOHN L. SCIBULLETTA  
337 BAILEY HOLE ROAD  
MAHOBAC, NEW YORK 10541  
UNITED STATES OF AMERICA

**SPECIAL OFFER:** Want to increase your chances of obtaining those elusive QSLs? We may have the answer. We are continuing to offer foreign and domestic postage stamps for enclosures with your reception reports. Prices are simple: 600 foreign for \$5. 1300 for \$10...or 2000 for \$15. These are all foreign and mostly commemoratives. For each \$5.00 order I will include absolutely free an additional 300 or more US stamps. That's a total of 900 stamps for \$5.00; 1900 stamps for \$10.00 or 2900 stamps for \$15.00. Please include \$3.00 for priority USPO delivery.....Sam.

**ANGUILLA:** Caribbean Beacon 6090 ltr. w/ schedule in 158 ds. v/s B. Monsell Hazell, CEO. (Buenenan-MO). same in 4 mo. for \$1.00. (MCCarthy-GA). f/d cd. in 4 mo. (Field-MI). 11775 f/d form ltr. in 5 mo. for \$1.00. (Lazarus-LA). f/d sheet in 4 mo. for \$1.00. (Myers-VA). f/d ltr. w/ schedule in 117 ds. (Humenyk-ONT).

**ARMENIA:** Radio Intercontinental 9965 personal ltr. says my details do not match their program schedule (it was definitely them) but they included 2 f/d QSL cds! (Renfrew-NY). Voice of Armenia 11790 f/d "Globe/Logo" cd. w/ decal and history sheet. v/s Mr. Levon Ananikian, Mgr. This after 4 mo. and 4 f/up rpts. (Berg-MA). 9965 same w/ stickers in 78 ds. via the Armenian Embassy. (Pasquale).

This is a special RCJ QSL card to celebrate our 50th anniversary.  
Cette carte QSL souligne le 50e anniversaire de RCJ.



Date	Time (approx) UTC	Freq	Name/Name
14 Feb.			
1997	1330-1357	9535	Masao Hosoya
Program (Country/Station de l'émission) Relay via Xian (China)			Address/Address 1-1-19 Sengen-cho, Higashi-Kurume-shi, Tokyo 203

**AUSTRALIA:** Radio Australia 5955 via Shepparton f/d "ABC Southbank Centre Building" cd. in 79 ds. w/ sticker and schedule. (Humenyk). 9580 f/d cd. w/ schedule in 7 wks. for \$1.00. (Readore). same w/ schedule in 74 ds. (Strain).

**AUSTRIA:** Radio Austria International 9655 f/d "Franz Schubert" cd. w/ sticker and schedule in 13 ds for 1 IRC. (Smith-VA). ltr. in 2 wks. (Kohlbrener-PA).

**BELARUS:** Radio Minsk 11960 f/d cd. in 9 wks. for \$1.00. (Maroti-NY).

**BELGIUM:** Radio Vlaanderen International 9925 f/d cd. w/ sked in 1 mo. (Strain).

**BONAIRE:** Radio Nederlands 9845 f/d cd. w/ sticker in 18 ds. (Kohlbrener-PA).

**BOSNIA:** Radio Yugoslavia 7115 f/d "Listeners Club" cd. w/ sticker, schedule and stamps in 9 wks. for \$1.00. (Maroti).

**BRASIL:** Radio Bandeirantes 11925 EG ltr. in 6 wks. for a PT

**受信確認証 VERIFICATION CARD**

受信報告を拝見いたしました。誠にありがとうございます。  
Thank you very much for your reception report.

あなたがラジオの放送を受信された日時と受信した周波数、時刻を記入してください。  
We are pleased to verify that you have listened to our station.

受信日時 (Received)  
1st FREQ (MHz) (Date) 9535 (02/14/97) 2nd FREQ (MHz) (Date) 9535 (02/14/97)

受信時間 (Time) 1997年 2月 7日

電 呼 号 (Call) 14-02-14-30 (PT)

**ラジオたんぱ** 日本放送協会  
〒100 東京都千代田区千代田 1-1-1 電話 03-3233-6151  
FAX 03-3233-6152 電報掛 22-3141  
〒100 東京都千代田区千代田 1-1-1 電話 03-3233-6151  
FAX 03-3233-6152 電報掛 22-3141

Mr. Mahendra Vaghjee  
5 Mc Irvine Street  
Beau Bassin

Mauritius

郵便印  
郵便印  
郵便印  
郵便印  
郵便印



SOCIALIST REPUBLIC OF VIETNAM  
RADIO THE VOICE OF VIETNAM

## Verification

via Moscow

細谷正夫様  
Thank you for your reception at 1991年2月10日 on 14:00. (H: 30 on 99A0.15H)  
All details of your report of reception correspond well with our station log. With the compliments of the Director of the American Service of the Voice of Vietnam.

Transit  
OVERSEAS SERVICE, VOICE OF VIETNAM  
58 Times To Street, Hanoi

rpt. v/s Samir Razuk, General Director. (Bueneman-MO). p/d ltr. in 70 ds. for a PT rpt. and 1 IRC. Stickers rcvd. (Neal-TX). Radio Aparecida 5035 f/d cd. w/ sticker in 19 ds. v/s Father Cesar Moreira. (Castro-BRASIL).

BULGARIA: Radio Bulgaria 7375 f/d "Sofia" cd. w/ schedule in 80 ds. (Strain).

CANADA: CFRX 6070 f/d cd. in 2 wks. (Readore). CHNX 6130 f/d ltr. in 59 ds. w/ sticker & schedule. v/s Wayne S. Harvey, Chief Engineer. (Humenyk-ONT).

COSTA RICA: TIFC Faro del Caribe 9655 p/d cd. w/ ltr. in SP in 6 wks. for \$1.00. (Readore). Radio 9725 f/d cd. w/ schedule and a personal ltr. in 10 wks. for \$1.00. (Readore). Radio For Peace International 15050 f/d "10th Anniversary" cd. w/ stickers in 2 mo. (Berg-MA).

CYPRUS: Cyprus Broadcasting Corporation 6180 f/d cd. in 93 ds. (Humenyk). 7205 f/d cd. in 9 wks. for \$1.00. (Maroti-NY).

DENMARK: Radio Denmark 9965 f/d cd. w/ schedule in 15 ds. for a DN rpt. & 1 IRC. (Smith-VA)...RNI relay.

ECUADOR: HD210A 3810 p/d cd. w/ personal ltr. and brochure in 119 ds. for 1 IRC. (Neal-TX). same in 1 mo. for ms. v/s Victor Yopez Valarezo. (Myers) Radio Nacional Espejo 4880 f/d cd. in 19 ds. for \$1.00. (Paszkievicz).

ENGLAND: Radio Korea International 3970 and 7105 via Skelton f/d cd. w/ schedule after a 2nd try. (Field-MI). VOA Woofferton 9760

f/d "LaConte Glacier" cd. in 40 ds. (Zio-  
EURO PIRATE: Radio Blue Star lkowski).  
\* 6302 p/d sheet in 9 mo. for a taped rpt. 50 watts. Addr: Postbus 1104, 8001 BC Zwolle, Holland. (Berg-MA).



VERIFICATION SIGNERS: Voice of Orom 9930 Taya Teferra, Secretary SBO Committee Europe. Addr: P.O. Box 510610, DE-13366 Berlin, Germany. Radio East Africa 15190 Terry Kreamer. Radio Fana 6210 Mulugeta Gessese, General Manager. Radio Finland External Service Addr: Yleisradio, Porin Lyhytaaltokeskus, Miss Marjatta Jokinen, Mäkolmantie 79, FIN-228660 Pori, Finland. RRI Jakarta 11885 Drs. Syamsul Muin Harahap, Kepala Stasiun. RRI Bandung 3204 Drs. Idrus Alkaf, Kepala Stasiun. Radio Nederland (Malagasy) 9605 Eddy Rahamefy, Chief Engineer. Radio Reina de la Selva 5486 Jose David Reina Noriega, Gerente General. Addr: Jiron Ayacucho 944, Chachapoyas, Peru...via PLAY DX.....Sam.

FERNANDO PO: Radio Africa 15186 via Malabo f/d cd. in 10 ds. w/ personal ltr. and schedule. (Field-MI).

FINLAND: Radio Finland 11735 via Pori f/d cd. w/ schedule in 88 ds. v/s Myitta Tikki. (Humenyk-ONT).

GABON: Radio Japan 15355 via Moyabi f/d "Shuri Castle" cd. w/ schedule in 18 ds. (Humenyk). Africa No. One 9580 via Moyabi ltr. in FR w/ n/d in 1 mo. for \$1.00.

GEORGIA: Voice of Hope 7520 and (Readore). 9310 via Dusheti one f/d cd. for each freq. in 1 mo. (Field-MI).

GERMANY: West Coast Radio Ireland 5910 via Julich f/d cd. w/ schedule and form ltr in 6 mo. (Field-MI). same in 4 mo. for \$1.00 w/ schedule. (McCarthy-GA).

GOA: All India Radio 7250 via Panji f/d \* "Parasuramesvar Temple" cd. in 155 ds. for ms. v/s A.K. Bhatnagar, Director of Frequency Assignments. (Sgrulletta-NY).

GREECE: Voice of Greece 7450 f/d cd. in 3



KBS Radio Korea International

P.a.a e' Sr. Denis Pasquale.  
Febrero 26, 1936.

QSL

### Certificado de Sintonía

Su Informe de recepción del 31 de Diciembre de 1935 es correcto.  
Usted escuchó en esa fecha Radio Educación ya que su reporte coincide con nuestros registros.

Continúe escuchándonos SECRETARÍA DE LOS ACUOS  
RADIO EDUCACION

Nuestra programación es su mejor compañía.

Note: I thank you for the nice sticker of WISN-FM radio station.

*[Signature]*  
Director General



**RADIO EDUCACION**  
Cultura con imaginación

wks. for \$1.00. (Readore).  
**GUATEMALA: Radio Cultura** 3300 f/d cd. w/ ltr. in 6 wks. for \$1.00. (Readore).  
**HONDURAS: Radio Copan International** 15675 f/d "Copan Ruins" cd. in 817 ds. w/ schedule. (Humenyk-ONT).  
**HUNGARY: Radio Budapest** 9580 f/d "Matyas Templom" cd. in 1 mo. for 1 IRC. (Smith-VA). 9755 via **Diosd** f/d cd w/ schedule in 50 ds. (Humenyk).  
**ITALY: Radio Maria** 7140 f/d cd. in 2 mo. on my 2nd try for an EG/IT rpt. (Field).  
\* **Voice of Europe** 13666 f/d

cd. in 3 1/2 mo. after several rpts. Addr: Via Belvedere 3/B, IT-33082, Azzano Decino PN, Italy. (Field-MI).

**JAPAN: Radio Tampa** 9595 f/d cd. after a f/up rpt. in 1 mo. (Readore).  
**JORDAN: Radio Jordan** 11690 f/d cd. in 6 wks. after several rpts. w/ ms. (Myers-VA). f/d cd. w/ schedule in 178 ds. v/s Jawad Zada, Director, QSL # 1500 for me. (Humenyk-ONT). (Strain).

**KUWAIT: Radio Kuwait** 11990 colorful folder QSL w/ sticker in 113 ds.  
**LAOS: Lao Nacional Radio** registered f/d ltr. in 64 ds. for a taped rpt. and 2 IRCs. v/s Miss Vichitsavanah Chanthery. (Rippe1).

**LEBANON: Voice of Hope** 6280 f/d "World Map" cd. in 9 wks. for a rpt. to the Cyprus addr. (Maroti-NY).

**MALAGASY REP: Radio Nederlands** 11655 f/d "Map" cd. in 6 wks. v/s Rahamefy Eddy. (Field-MI).

**MALI REP: China Radio International** 11695 f/d "Norbu Lingka"

IN THE NAME OF ALLAH  
Verification of Reception Report

R.S.I.

Dear VAGHJEE

THIS IS TO OFFICIALLY CONFIRM YOUR RECEPTION OF  
THE VOICE OF THE ISLAMIC REPUBLIC OF IRAN

You received our transmission:

Date	U.T.C.	From	to	SW.	MW
30.1.97	18.50				9022

Thank you for listening to the FRENCH program of the voice of the Islamic Republic of Iran. Please tune in again & keep in touch %

FRENCH PROGRAM

IR.I.B. External Service, ..... Program, P.O. Box # 3333, TEHRAN, IRAN

**NOTES: Joe Radella** of Rochester, PA says he has been an active shortwave listener for

about 30 years. His primary receivers consist of an NRD-535 and a Drake R8. Hé and his wife recently started a school supply business and will have a shortwave corner trying to generate interest in the hobby. Sounds like a great idea...Sam. Perhaps you should write to ANARC to get some club brochures and handouts. **Henry Lazarus** says that he has received several replies using the "stamps as enclosures" as advertised in this Column. They have worked quite well especially with mediumwave stations. He says "I know a great product when I see one, and these stamps are great"! Thanks for the promo...Sam.

cd. w/ site written in. Also rcvd. schedule and paper cuts in 23 ds.  
**MEXICO: XERMX Radio Mexico International** 9705 f/d cd. w/ (Stewart-personal ltr. in 2 mo. for a SP/EG rpt. v/s Juan Mort MO). Director. (Field-MI). same w/ pennant, sticker and schedule in 5 wks. for \$1.00. (Readore).

**MOLDOVA (Pridnestrovye Rep.): Radio Dniester International** 9620 f/d cd. in 8 mo. (Field-MI).

**MYANMAR: Defence Forces Broadcasting Unit** 6570 f/d cd. \* w/ photo of Shan State for a rpt. to the Myanmar Embassy in Washington DC. (Field-MI).

**NAMIBIA: NBC** 3290 via **Windhoek** f/d cd. in 96 ds. v/s P. Schachtschneider. (Castro).

**NEW ZEALAND: Radio New Zealand International** 9700 f/d "Kiwi" cd. w/ sticker and sked. in 1 mo. for 3 IRCs. (Readore).

**NORWAY: Radio Denmark** p/d "Target/Map" cd. in 2 yrs. w/ schedule. (Humenyk).



KBS Radio Korea International

**RADIO ETHIOPIA**

Dearest Mr. Rausch,  
This QSL card confirms that you  
were listening to Radio Ethiopia on:

DATE 15/4/92 from 0300 to 0400 GMT  
Mb \_\_\_\_\_ KHz 7110

Thank you for your interest

AUDIENCE RELATIONS &  
PROGRAMME EXCHANGE SERVICE

**PERU:** Radio Luz y Sonido 6472 f/d cd. w/ personal ltr. in 5 mo. on my 4th try for a SP rpt. v/s Orlando Bravo Jesus.(Field-MI). Radio Cora 4915 "Certificado de Sintonia" w/ stickers in 256 ds. v/s Juan Ramirez Lazo, Director Proprietario.(Castro).  
\* Radio Huarmaca 5385 very friendly personal ltr. w/ postcard and a handwritten note in 2 1/2 mo. after a f/up rpt. v/s Simon Zavaleta Perez.(Lazarus-LA). same w/ personal note in 4 mo. on my 5th try. (Field-MI).  
**POLAND:** Polskie Radio 9670 f/d cd. w/ form ltr. and schedule in 6 wks. on

my 2nd try. Report forms were rcvd.(Field-MI).

**PORTUGAL:** Radio Renascenca 9600 f/d cd. w/ sticker and brochure in 2 wk for \$1.00.(Kohlbrenner-PA).

**SAINT HELENA:** Radio Saint Helena 11092.5 f/d cd. in 170 ds. for \$2.00. v/s Tony Leo. This QSL was special for me because I was unable to listen the past several years due to my work schedule.(Woloch-QUE).

**SLOVAKIA:** Radio Slovakia International

9440 f/d cd. in 16 ds. for 2 IRCs.

**SOUTH AFRICA:** Investment (Smith-VA).

Channel 7190 via Meyerton f/d cd.

in 1 mo. w/ schedule. v/s Kathy

Otto.(Field-MI). Channel Africa

11900 f/d "SENTECH" cd. w/ sticker

and schedule in 1 mo. for

\$1.00.(Readore).

**SPANISH MOROCCO:** Radio Medi-Un 9575

f/d cd. w/ ltr. and schedule in 2

**AWBR**  
ADVENTIST WORLD RADIO / QSL



**NOTES:** some of you have written in asking if I have an E-mail access. I sure would like one but alas, I don't have that type of facility set up at my hope or office. In fact I do not own a computer except for the one at work - which belongs to the Town...Sam. George Maroti says hello to everyone. He is presently compiling QSL data from the Column for use in a future publication. Can't wait to see the results...Sam.

*Radio Melodia P.A.*

ORSAI 1270 285 Onda Media - ORSAI 5995 285 Onda Corta  
P.O. Casilla 281 - Teléfonos 212327 y 212811  
181 - 1800 Km. Barahona - Av. Cayman 1051 P.O. 211728

ARQUEPIA - PERU

To: PFERLO M.C.D. CASTRO  
Estimado Radiante:

Por intermedio de la presente le damos nuestro agradecimiento de la recepción, el mismo que se agota a nuestra programación emitida el 15/04/92 a las 03:00 PM. 5995 KHz. La comunicación que ha ocurrido, nos ha llenado profundamente de alegría y nos complace sobremanera en haberlo en Radio Melodia y en Emisora de América Latina.

Arquepiá, sede de nuestra emisora, es la segunda ciudad más grande del país con 900,000 habitantes; Arquepiá está situada en un valle fructífero, al pie del nevado Yalahu Alluri, nuestra ciudad es el centro comercial de la Región Sur. El clima es seco y agradable. Arquepiá es conocida como la Ciudad Blanca por las construcciones de tipo colonial, hechas en sillar-piedra de lava volcánica, es única en el mundo y tenemos 100 días soleados al año.

Hay 28 Embarcos en onda larga, 5 en onda corta y 25 en FM, en nuestra ciudad. En 23 años de transmisión, las ondas cortas de Radio Melodia han sido altamente empleadas a miles de kilómetros de distancia por apasionados Diablos, especialmente a través de antenas alemanas y finlandesas.

Estimado amigo, gracias por habernos escuchado y tenga la seguridad que en Arquepiá contamos con sus amigos que hacen RADIO MELODIA S.A.

Cordiales,

*[Signature]*  
EIRI A. VAREZ DE DELGADO  
Dir. de Administración Personal y Pasajeros

mo. for a FR rpt. and 2 IRCs.(My-  
**SWEDEN:** Radio Sweden 7290 ers-VA).

f/d cd. in 2 wks.(Kohlbrenner-PA).

15240 f/d "Dalarna" cd. w/ sticker

and schedule in 10 ds.(Strain).

**TOGO:** Radio Togo 5047 f/d "Map" cd.

in 24 wks. for a FR rpt. and \$1.00

(Maroti-NY).

**TURKEY:** Voice of Turkey 9460, 13670

and 15350 f/d cd. w/ pennant,

schedule and stickers in 36 ds.

(Humenyk).

**UKRAINE:** Radio Ukraine International

9550 f/d cd. w/ schedule in 50 ds

(Strain).

**USA:** Voice of Free China 15600 via

WYPR f/d "Insects in Taiwan" cd.

in 41 ds. w/ sticker and schedule

v/s Carlton Wong.(Humenyk). 5950

f/d cd. w/ note in 1 mo.(Readore).

**USA:** WHRI 6040 and 7315 f/d cd. w/

schedule in 60 ds.(Humenyk).

**USA (Pirates):** WSRR 6955 f/d cd. in

8 ds. for 3 ms.(Maroti). WKND

6955 sheet in 17 mo. for \$1.00.

(McCarthy-GA). KRAP 6955 sheet

in 9 ds. for \$1.00. (McCarthy-GA)

Up Your Radio Shortwave 6955 info

# RADIO UGANDA

ENGINEERING DIVISION  
P.O. Box 2038, KAMPALA, UGANDA

Dear *Mahe ndi Vaghjee*

Thank you for your Reception Report of *29.03.97* at *19.07* hrs  
UTC. *-1931*

It is my pleasure to confirm that this was a broadcast of Radio Uganda,  
originating from our *Kampala* transmitter on *4976* KHz.

Thank you for your interest.

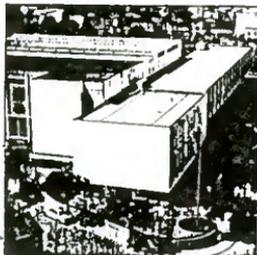
*L. Bulugi*  
for PRINCIPAL ENGINEER (B)  
*29/3/97*  
ENGINEER

cd. w/ stickers and schedule in 10 wks. for \$1.00. (Readore). 6095 same cd. in 81 ds. w/ schedule. (Brown-IL).

**VENEZUELA: Ecos del Torbes** 9640 f/d cd. in 6 wks. for a SP rpt. (Barto-CT).

**WEST BERLIN: Deutschland Radio Berlin** 6005 f/d cd. w/ stickers in 3 wks. \* for \$1.00. (Maroti-NY).

**ZAMBIA: Zambia National Broadcasting Corp.** 4910 n/d self prepared cd. in 590 ds. after a f/up rpt. v/s Luke L. Chikani. (Sgrulletta-NY).



FUNDAÇÃO N. SRA. APARECIDA  
**RÁDIO APARECIDA**  
ZYE - 236

1180 KHZ 1620 KHZ 810 KHZ 800 KHZ 800 KHZ 900 KHZ  
20 M 21 M 49 M 50 M 50 M 50 M

APARECIDA - SÃO PAULO - BRASIL

DEAR MR PEDRO M.C. DE CASTRO  
THIS CARD VERIFIES YOUR RECEPTION OF  
RADIO APARECIDA, ZYE - 236 - BRAZIL  
on 9h55 at 18.04.97

FREQUENCY: 5035 Name: 60R  
YOUR DELETIONS ARE CORRECT. THANK YOU!  
*P. Bulugi*  
Pe. César Moreira CSSR

sheet of "Bob Dole and Newt Gingrich with Alien" certificate in 88 ds. for ms. (Bueneman-MO).

**UZBEKISTAN: Radio Tashkent** 9715 f/d "Map" cd. w/ postcard and schedule in 65 ds. for \$1.00. (Stewart-MO).

**VATICAN: Radio Vatican** 7305, 9605 and 6095 f/d "Antenna" cd. in 7 wks. (Barto). 5880 f/d "Shortwave Antenna at Santa Maria di Galeria" cd. in 158 ds. (Humenyk-ONT). 5882 f/d cd. in 10 wks. for \$1.00. (Readore). 6095 same cd. in 81 ds. w/ schedule. (Brown-IL).

**ZANZIBAR: Radio Tanzania Zanzibar** 11734 handwritten ltr. w/ OSL statement in 6 wks. after a f/up rpt. for \$3.00. & 7 mo. after my original rpt. v/s Ali Bakari Muombwa. (Lazarus-LA). The v/s prefers dollars with your reception report.

**VERIFICATION SIGNERS: Radio Maryja** 5970 Tadeusz Rydzik, Director. **Radio Slovakia International** 7300 new Addr: P.O. Box 55, SLO-810 05 Bratislava 15. **Ecos del Torbes** 4980 Addr: Apartado 152, San Cristobal 5001. **Radio Netherlands** 4965 via Dushanbe Asbari N. Krishna, Asian Service. **Radio Thailand** 9855 Amporn Samosorca. **Radio Uganda** 4976 L. Bunege, Principal Engineer. **Radio Marumby** 9665 Dr. Cesario Bernardino, President; Claudiney Nunes, Director of Radio; Dr. Nildair Santos, Coordenador de Radio and Jair Albano, Producer. **Radio Difusora Roraima** 4875 Francisco G. Franca, Director General. **Radio Television Camerounaise** 4850 Eyebe Tanga, Direction Technique. **Adventist World Radio / Radio Lira Internacional** 5030 Mrs. Rosaura Barrantes, Secretaria....via PLAY DX.

Alas, we have completed yet another QSL Column. Up until about 3 days prior to typing this Column, I thought I'd had another 3 page summer Column, but a few regulars came through with several items. It must be the vacation schedules. Hi!

Thank you for your report on the reception of our transmission from the

Hoffnung Shortwave Station (100KW)

DATE: *21.02.1997*

TIME: *0510-0600* GMT

FREQUENCY: *1290* KHz

**nbo Radio**  
Box 221, Woodstock, Honduras

*Kind regards*  
*P. Bulugi*

*MR PEDRO M.C. DE CASTRO*  
*AV. OLAVADO ALVARO 17*  
*12600-000 COSTA RICA SP*  
*BRM 216*

Anyway, best of Dxing and QSLing...Sam.

via Pasquale



**HUNDERT**  
Radio HUNDERT.6 Medien GmbH

**Das private Radio**

*Sam*

# Contributors' Page

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

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

The following members contributed loggings:

Brian ALEXANDER, Mechanicsburg, PA	AOR AR-7030 100' LW
Gabriel Ivan BARRERA, Buenos Aires, ARG	NRD-525 32m dipole
Jerry BERG, Lexington, MA	R8 165' LW
Erik BUENEMAN, Hazelwood, MO	ATS-803A MFJ-1778 G5RB antenna
David CLARK, Thornhill, ONTARIO	R8A ANC-4 Carolina Beam
Ross COMEAU, Andover, MA	R8 325' LW
Peter COSTELLO, Matawan, NJ	AR3030 DX-390 70' LW
Jill DYBKA, Knoxville, TN	
Ralph FAMULARO, Hyogo-ken, JAPAN	ICF-SW55 ATS-803A R5000 LW
Bob FRASER, Cohasset, MA	Sony ICF-2003 ICF-SW100S 2m LW
Bill FLYNN, Cave Junction, OR	R8 DX-Ultra inverted V
Peter HAISHUN, Hurst TX	Sony 2010 Satellit 700
Bob HILL, Littleton, MA	Sony 2010/whip 120' dipole RW Loop
Mark HUMENYK, Weston ONTARIO	Magnavox D-2935 AN-60
Fred KOHLBRENNER, Philadelphia, PA	R8 Datong FL-3 ANC-4 Sloper
Harold LEVISON, Philadelphia, PA	R8 R70 YB400
Gigi LYTLE, Lubbock, TX	Lowe HF-225 LW
George MAROTI, Mt. Kisco, NY	Sony 2010 30' dipole MFJ-956 tuner
William McGUIRE, Cheverly, MD	DX-380
Mark MOHRMANN, Coventry, VT	NRD-535D 440' V beam @ 180 degrees
Bob MONTGOMERY, levittown, PA	R388 DX Pro active antenna
Gary NEAL, Sugarland, TX	Grundig YB-400
Ed NEWBURY, Kimball, NE	WJ-1000 R8 60'Sloper 20' loop
Jay NOVELLO, Wake Forrest, NC	R8A LW's
Denis PASQUALE, New Brighton, PA	Sony 2010 beverage antennas
Gerald READORE, Houston, TX	DX-390 90' LW
Jim RENFREW, Rochester, NY	R8 A/D Sloper
Chuck RIPPEL, Cornland, VA	R390A R8A R1051H SP-600 51S-1 LW's
Mike RYAN, Bangkok, THAILAND	
Giovanni SERRA, Rome, ITALY	NRD-525 AD Sloper
John SGRULETTA, Mahopac, NY	NRD-515 AD Sloper Moseley trap dipole
Randy STEWART, Springfield, MO	FRG-100 w/Collins filters
Mitsuhiro TAKAYA, Osaka, JAPAN	NRD-535D RF Systems antenna
Sean WARNER, Minneapolis, MN	Drake SW8 Satellit 700 YB305 Sloper
Terry WOLF, Bellville, OH	Sony 2010 LW
David YOCIS, South Nyack, NY	R71A Satellit 700
Dan ZIOLKOWSKI, South Buffalo, NY	R8 Sloper SPS NRF-7 SEM QRM Eliminator

We have several new NASWA members contributing for the first time this month. Welcome!

Member Erik Bueneman attended several Field Day events this past month. His logs marked "MO1" were made while using an ATS-803A receiver on a trip to St. Ann, MO. Those marked "MO2" were made while using a Yaesu FT-690 at Sunset Hills, MO.

I hope everyone is having a great summer. See you next month.



# Tropical Band Loggings

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

- 2390.1 GUATEMALA LV de Atitlan 6/8 0110 anmts, ID, buenos noches, mx (Mohr-VT)
- \*2490.2 BRAZIL 98 FM A Voz da Radio 0803 campo mx & pops, TC, echo IDs (Mohr-VT)
- 3240 SWAZILAND TWR 6/22 1915\* sermon, Afr pops, jingle, poss ID, IS, p-f (Serr-IT)
- 3280 ECUADOR LV del Napo 6/18 0900 LA mx, tlk in lang, remote broadcast w/crowd noise, Indian vlcls, presumed (Ziol-NY)
- 3330 ZAMBIA Christian Vo 6/22 1855 pop mx, tlk, jingle, 1859 ID p-f (Serr-IT) 6/27 0402 pres lang nx, pop mx (Stew-MO)
- 3380 MALAWI MBC 3/14 0320 chorus, ads, pop mx (Serr-IT)
- 3385 NEW BRITAIN RENB 7/1 0924 kids singing, nx, exc (Mont-PA)
- 3955 SOUTH AFRICA 6/16 0330 Channel Afr in Chinyanja w/nx, mx bridge, good (Hume-ON)
- 4755t PERU R Huanta 2000 6/10 0908 anmts, folk mx (Newb-NE)
- 4765 BRAZIL unid 6/7 0301\* tlk, romantic mx, long tlk, poss ID 0256 sounded like R Cultura, ideas? (Serr-IT)
- 4765 CONGO RTV 6/2 0425 Afr mx, drums, FR tlk, noisy (Newb-NE)
- 4770.1rf ECUADOR Centinela del Sur 6/6-7 2355 ballads, ID 0002, tlk rel mx, recitations, chorus (Alex-PA)
- 4830 VENEZUELA R Tachira 6/18 1040 promos, tlk (Newb-NE)
- 4832 COSTA RICA R Reloj 6/10 0920 pops, anmts (Newb-NE)
- 4850.5 ECUADOR R Luz y Vida 6/8 0125\* echo anmts, jingles, ads, ID, romantic mx, s/off always abrupt (Alex-PA)
- 4870 ECUADOR LV del Upano 6/7 0109\* tlk, lite mx, ID, NA, fair but RTTY QRM (Alex-PA)
- 4879.7rf ECUADOR RN Espejo 7/4 0125 drama, jingles, ID, lite mx (Alex-PA)
- 4885 BRAZIL R Clube 6/11 0858 tlk, ment Para, excited tlk, singing ad 0907, overtaken by Acreana 0920 (Ziol-NY)
- 4890 PAPUA NBC 6/19 1047 lite pops, C&W, EG anmts (Newb-NE)
- 4910 ZAMBIA ZNBC 7/3 0430 musical ID, voice ID in lang (Warn)
- 4919 ECUADOR R Quito 6/10 0858 ID, tlk, ad, IDs, flute mx (Ziol-NY) 6/29 0241 tlk, fair, much better on FT-690 (Buen-MO2) 6/19 1055 M reading, ID, promos, RTTY QRM (Newb-NE)
- 4974.9 BRAZIL unid 6/9 0832 Mundial IDs, ment Sao Paulo 1\_50 kHz Net pgm or ex R Tupi? (Mohr-VT) I think either one possible. Marie, what do you know about this one--sp
- 4980 VENEZUELA Ecos del Torbes 6/10 0934 SP nx (Newb-NE)
- 4990.9 PERU R Ancash 6/18 0956 ads, great mx, best ever (Mont-PA) 6/19 1103 anmts, ID, echo tlk (Newb-NE)
- 5009.6t MADAGASCAR RM 6/22 0307 poss prayer, chorus, tlk (Serr-IT)
- 5020 SOL ISL SIBC 6/19 1106 EG nx abt Hong Kong, parliament (Newb)
- 5025 CUBA R Rebelde 6/15 0109 tlk, promo ment Havana, speech anmts & tlk (Serr-IT)
- 5030 COSTA RICA AWR 6/22 0322 SP tlk, pop mx, trumpets, addr for mailbox pgm, ID, poor (Serr-IT)
- 5035.1 BRAZIL R Aparecida 6/30 0825 anmts, pop mx, ads, TCs, 0900 ID over Pomp & Circumstance theme //6135 (Mohr-VT)
- 5060 UZBEKISTAN R Tashkent 6/26 1947 GM tlk, chant, pop mx //5035 6230, 9540, 11905 (Serr-IT)
- 5070 USA R NADECO via WWCR 6/30 0500 & 7/1 0500 class mx, ID, EG tlk, nx, IDs, addr 514 10th St NW Suite 600, Washington DC 20004 (Berg-MA)
- \*5636.8 PERU R Peru 6/15 0303\* OA mx, ID, anmts, weak (Alex-PA)
- 5770 NICARAGUA R Miskut 6/16 0103 cmtry, CW QRM, poor (Hume-ON)

# International Band Loggings

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

- 5920 FRENCH GUIANA R France Int relay in SP 0515, sport nx, ID, cmnty, TC, nx (Serra ITALY 6/14)
- 5955 SOUTH AFRICA Chan Africa in EG 0313, Afro sport nx, ID, mx pause, QRM (Serra ITALY 6/14)
- 5960 CANADA RCI Sackville in EG 2228, "World at Six", nx re discovery of Newfoundl'd (Fraser MA)
- 6015v ALBANIA R Tirana in IT 1708, lcl nx, press review, ID, political pgm, mx (Serra ITALY 6/11)
- 60349 COLOMBIA LV del Guaviare in SP 0350, phone tlk, jingle, TC, ID (Paszkievicz WI 6/10)
- 61048v MEXICO XEQM Merida, Yucatan in SP 1115, ID as "Tus Panteras", reactivated fqy, SP pop mx, political ad, promos for FM & AM sister stns, f-g (Novello NC 6/10) ED: Only 250 watts as listed.
- 6120 CANADA R Japan relay in EG 1150, interview comparing US & Japan lifestyles (Fraser MA 6/15)
- 6135 SINGAPORE R Singapore in Malay 1137, nx by OM, cmntry by YL, ID, f (Humenyk ONT 6/16)
- 6165 ZAMBIA ZBC Radio 2 in EG \*0246, Fish Eagle IS, NA, p under R Nederl'd (Alexander PA 6/14)
- 6210 ETHIOPIA R Fana in lang \*0325, IS, ID, tlk, lcl mx, //6940 (Alexander PA 6/7, Renfrew NY 6/29)
- 6290 SOUTH AFRICA World Music Radio in EG 2135-2159\*, ID jingles, Denmark QTH for rpts, Afro pop mx, sked Sat/Sun 1800-2200 (Alexander PA 6/7, Montgomery PA 6/29, Humenyk ONT 6/7)
- 6295nf CZECH REPUBLIC R Prague in EG \*0100-0227\*, nx, features, lcl folk mx, ID, IS, into Czech pgming at 0130, weak sig, //6200, 7345 (Alexander PA 7/4)
- 65602 IRAQ Rep of Iraq R in AR 0215, AR mx, Koran, lite instrmls, Kurdish tlk, f (Alexander PA 6/7)
- 70405v/nf? PERU R San Ignacio Cajamarca in SP 0245-0302\*, rustic flutes & guitars, enthusiastic yipping, ID "Departamento de Cajamarca, Republica del Peru", NA (Novello NC6/17)
- 7135 SWEDEN R Sweden in EG 0233-0300, nx, "60 Degrees North", ID (Paszkievicz WI 6/11)
- 71418v PERU R Ayabaca in SP 0030, OA folk mx, SP pops, anmts, gone by 0110, f (Alexander PA 6/7)
- 7475usb/nf? NEW ZEALAND KIWI Radio in EG 0710-0830\*, many ID's, pop mx, Macarenas (Rausch NJ 6/22)
- 75549nf USA KJES New Mexico in EG \*0100-0230, ID by young child, relig tlk & mx (Rausch NJ 6/20)
- 7585nf COSTA RICA RFPI in EG 0220, FIRE pgm, ID, repl 6205 (Rausch NJ 6/17) Radio for Peace Int also rptd in EG this fqy at 1100 with //7385 at that time (Costello NJ 6/21)
- 9022 IRAN VOIRI in EG 0030, nx, political cmntry, mx, ID at 0044, poor audio (Readore) recpn date?
- 9325 NORTH KOREA R Pyongyang in EG 1501, ID, NA, ancmt, nx? by OM, vp (Serra ITALY 6/22)
- 9355 NORTHERN MARIANAS KHBI Christian Sci Monitor in EG 1135, nx, mailbag, f (Readore)
- 9525 INDONESIA V of Indonesia in EG 1300\*, startup of "Love Ambon", voice-over closing anmts by YL, followed by 3 full mins of "LA", f (Clark ONT 6/7) in EG 0800-0900, full hr of EG best with Indonesian nx and mx of Indonesia, many ID's as "Voice of Indonesia" (Readore) no date reported.
- 95401 VENEZUELA R Nacional Caracas in SP \*1100, ezl SP mx, many ID's, QTH, s/on w/xylophone IS, strong carrier but moderately undermodulated (Novello NC 6/16)
- 9560 NORWAY R Denmark relay in DN 0030, nx, taped rpt, phone interview (Humenyk ONT 6/8)
- 9580 AUSTRALIA RA in EG 0648, nx & cmntry, //13605 (Bueneman MO 6/29) in EG 0915, "Dateline Asia/Pacific" tlk re Kong Kong (Fraser MA 6/12) in EG 1215, tlk on snake bites (Humenyk ONT)
- 9585nf? PALAU KHBN V of Hope in EG 1025, "High Adventure Ministries", ID 1025 (Costello NJ 7/4)
- 9645 SRI LANKA VOA relay in EG 1520, taped play, feature, ID, p (Humenyk ONT) only 35 kw xmtr!
- 96151 BRAZIL R Cultura Sao Paulo in PT 2215, melodic BR pop mx hosted by YL DJ, canned ID, fqys, ad cluster followed by rx from 30's & 40's, exc, still going strong 0215 recheck (Novello NC 6/14)
- 9655 TURKEY V of Turkey in EG 2220, "Letterbox", cmntry on very cool summer, g (Fraser MA 6/11)
- 9665 BRAZIL R Marumby in PT 1050, relig choral mx, promos, ID's, QRM Delano (Novello NC 6/18)
- 96748 PERU R del Pacifico Lima in SP 1615, phone interviews, relig tlk, ID's, QSB (Novello NC 6/9)
- 9680 THAILAND R Thailand in TH 2105-2115\*, nx, cmnty on Hong Kong, IS, EG ID (Rausch NJ 6/20)
- 9685 SOUTH AFRICA Chan Africa in PT 1655\*, sports nx?, ID, pop mx, IS in EG (Serra ITALY 6/22)
- 9690 SPAIN China R Int relay in EG 0305, tlk on Britain's opium trade in CH in 1830's (Newbury NE)
- 97171 BOLIVIA R La Plata Sucre in SP 1500, flute/guitar mx, tele-tlk, ads, promos, ID (Novello NC 6/17)
- 97217v PERU R Victoria Lima in SP 2210, sports rpt, mx stringers, ID, g until AWR \*2300 (Novello 6/9)
- 97149 INDONESIA RRI Sorong in IN 0720, tlk by YL until typical shutdown time at 0759. Splattered just before closing at 0758 when R Nacional, Paraguay s/on at 97373 fqy (Clark ONT 6/12)
- 9765 TURKEY V of Turkey in Azerbaijani 0742, nx?, ID, mx, tlk pgm, //11835 (Serra ITALY 6/7)
- 97803 YEMEN R Yemen Sana'a in AR 1749, nice ID as given in WRTN, weak w/QRM (Novello NC 6/9)
- 9810 KIRIBATI R Kiribati Tarawa in lang/EG 0515, nx in lcl lang, ID & TC in EG, island vocals, QRM from 9820 by 0700 (Clark ONT 6/15) in EG 0600 w/R Australia nx to 0615, US & island songs to 0700 (Readore) in lang 1018-1046\*, choir mx & NA hrd past normal 1000\* (Maroti NY 6/12)
- 9860 AUSTRALIA RA in EG 1054, funding for Olympics to come from taxes, ID (Newbury NE 6/17)
- 9940 BELGIUM R Vlaanderen Int in EG 0630, nx, "Brussels Calling", ID 0639 (Readore) No date rptd
- 9965 ARMENIA R Yerevan in EG 2038, Armenia to establish relations w/Iran, f (Fraser MA 6/13)
- 9965 LEBANON Voice of Hope in EG 1731, OM w/sermon, chorus songs, ancmt, US QTH, ID "This is the High Adventure Ministries, the Voice of Hope" mixed with mx (Serra ITALY 6/1)

- 11335 NORTH KOREA R Pyongyang in EG 1100, propaganda & other "nx", //9975 (Pasquale PA 6/14)
- 11565 PAKISTAN R Pakistan in EG 1558, IS, ID, pips, nx, wx rpt, cmntry, //9485 (Serra ITALY 6/25)
- 11665 GUAM KTWR in CH \*0858, IS, ID in CH, Bible reading, children's pgm (Maroti NY 6/18)
- 11690nf? SEYCHELLES FEBA in lang 0330\*, tlk in lang, QTH in Dushanbe, IS, ID (Paszkiewicz WI 6/18)
- 11690nf? JORDAN R Jordan Amman in EG 1302, nx, pop mx, ID, f (Serra ITALY 6/22)
- 11705 SRI LANKA Deut Welle relay in RS 0058\*, mx, tlk by YL, f-p, //7105 (Yocis NY 7/1)
- 11715 CANADA R Korea Int relay in EG 1056\*, nx, ID, NA (Fraser MA 6/11, Humenyk ONT 6/16)
- 11740 INDIA AIR Aligarh in Tamil \*0000-0045\*, lcl mx, tlk, //9910, 13795, 4790 (Alexander PA 6/21)
- 11775 GUAM KSDA Advent World R in EG 2300, ID, Bible quiz pgm, QRM 11780 (Readore)
- 11780v BRAZIL R Nacional da Amazonia in PT 0020, pgm on educ & relig, ID's (Paszkiewicz WI 6/22, Yocis NY 7/1, Novello NC 6/22) NOTE: Reporters noted freq changes of this station - Novello rptd 117832 on 6/22, Paszkiewicz rptd 11785 on same date, & Yocis rptd it back on listed 11780 on 7/1. Yocis suggested they may be trying to avoid Dr Gene Scott's Anguilla outlet on 11775
- 11890 SRI LANKA R Japan relay in EG \*0058-0145, ID's in JP/EG, pips, TC, nx headlines, lang lesson, pop mx by YL group, //5960 (Yocis NY 6/28, Paszkiewicz WI 6/17, Hymenyk ONT 6/13)
- 11900 SOUTH AFRICA Chan Africa in EG/PT 1615, feature, ID, sport nx, nx in PT (Serra ITALY 6/15)
- 11905nf? SRI LANKA SLBC in Sinhala?/EG 0058-0145+, pips, ID, subcont vcls, f-p (Hill MA 6/25)
- 12040 UKRAINE R Ukraine in EG 0013, "Ukraine Diary", nx, cmntry re parliament, rock, disco, pop mx, ID, IS (Levison PA 6/14, Newbury NE 6/26)
- 12075 SWITZERLAND Swiss R Int in FR 1500, ID, bridge mx, cmntry re Congo, f (Humenyk ONT 6/6)
- 12090 MADAGASCAR R Netherlands relay in EG 1337, nx, bridge mx, "Newsline", p (Humenyk 6/14)
- 13525usb AUSTRALIA Australian Defense Forces in EG 0435-0534, pop mx, ID's, local cmntry, mentions of Canberra xmtr site, f (Stewart MO 6/26, Costello NJ 6/21)
- 13625 FRENCH GUIANA RFI relay in EG 1200, nx re job demonstrations in Europe (Pasquale PA 6/14)
- 13675 UNITED ARAB EMIRATES R Dubai in EG 1034, world nx, ID's, wx rpt, tlk re Islam (Serra 6/21)
- 13710nf? BULGARIA R Bulgaria Sofia in SP 2225, ID, instrumental mx, exc, //11660 (Humenyk ONT 6/5)
- 13715 CUBA RIHC in EG 2050, rpt on Cuba's participation in folk festival in Austria (Fraser MA 6/20)
- 13715 SLOVAKIA R Slovakia Int in RS 1300, ID, fqy ancmts, //11990, QRM from VOA (Humenyk 6/16)
- 13740 SWEDEN R Sweden in EG 1238, mx, tlk re sex, ID's, rock song, f, //15240 (Serra ITALY 6/22)
- 13800 NORWAY RNI in EG 0919, "Norway Today", lcl folk mx, Web QTH, ID's, IS (Serra ITALY 6/22)
- 13805 NORWAY RNI in EG 1215, feature on the Lofoten Islands, g (Fraser MA 6/15)
- 15140 ECUADOR HCJB Quito in SP 1723, religious pgm, mention of Web QTH (Buenehan MO 6/28)
- 15160 ALGERIA R Algiers Int in SP 1723, tlk, AR song, ancmt w/ID, Brazilian songs (Serra ITALY 6/11)
- 15170nf? MONGOLIA V of Mongolia in EG 0859-0930\*, mx, IS, ID's, fqys, nx, long tlk, QRM (Serra 6/7)
- 15185? EQUATORIAL GUINEA R Africa in EG 2217, back on the air w/usual gospel type pgm, strong sig but b audio (Hill MA 6/23) in EG 1457, relig pgm, ID, req USA rpts be sent to CA QTH (Readore)
- 15200 UZBEKISTAN R Tashkent in lang 0827, lcl mx, IS, ID, nx?, lcl chant, QRM, //15165 (Serra 6/7)
- 15250 PHILIPPINES VOA relay in CH 1250, tlk, pop mx, ID in CH/EG, QTH, off 1259 (Serra 6/22)
- 15255 GREECE VOA relay in EG 1520, taped play, expressions & meanings, //15205, f (Humenyk 6/6)
- 15320 CHINA China Nat R in CH 1445, pop mx, EG ID 1510 "You are listening to The Music World on China National Radio" (Stewart MO 6/27, Readore) ED: Readore states that CNR is not shown on this freq in PWBR but Taiwan CBS is. Could be possibly CNR jamming Taiwan broadcast?
- 15385 TURKEY VOT in TK 1745, lcl pop mx, chant w/string mx, //9560, 9460, 7115, 5980 (Serra 6/15)
- 15415 LIBYA R Jamahiriya in HG 1604, readings from Chap 3 of Qaddafi's Green Book (Maroti NY 6/7)
- 15665 NO MARIANAS KHBI Monitor R in EG 0803, nx of the week, ID, CSM relig pgm (Serra NY 6/7)
- 17387 INDIA AIR Aligarh in EG 1017, Indian chants, ancmts, ID, tlk, //15050, 17840 (Serra ITALY 6/21)
- 17575 FRENCH GUIANA RFI relay in EG 1230, role of Red Cross & human rights, //13625 (Fraser 6/15)

#### CLANDESTINE STATIONS

- 7090 ANGOLA VORGAN in PT 0458, Afro pop mx, rooster crow, many ID's, g (Yocis NY 7/1)
- 79996 ERITREA V of the Sudan in AR 1650, long chant w/mx, tlk, ID ment Sudan (Serra ITALY 6/15)
- 11680 CLANDESTINE V of Nigeria in EG/lang \*1900-2000\*, ID "This is the Voice of a Free Nigeria", kettle-drum IS, QTH Indianapolis, pgm preview, interviews, cmntry on sports & labor aspects of the Nigerian situation, NA (Novello NC 6/21, Rausch NJ 6/21, Berg MA 6/21, Costello NJ 6/21)

#### TENTATIVE, PRESUMED, OR UNKNOWN

- 7325 spur? USA WTAR Norfolk, VA hrd on USB mixing w/BBC London at 1135 & 2215 (Haishun TX 6/22)
- 9175usb VENEZUELA(p) in SP 2245-0045+, live sports, ads, no ID's, ment VZ cities (Novello NC 6/18)
- 94948 ABKHZIA(p) R Abkhazia, Sukimi in lang? 0334, very week w/classical mx binge, tlk, had to give up when sig went almost entirely into the mud. Subsequent checks blotted out by WHRI (Clark ONT)
- 9855 GERMANY(p) R Vilnius relay in EG 0030, nx re celebration of Lithuanian state (Pasquale PA 7/6)
- 11590 SITE UNKNOWN R Free Asia relay in Burmese 0031, OM tlk in lang, RFA ID (Levison PA 6/3)
- 11830 BRAZIL(p) R Anhanguera (p) in PT 0950, tlks, ads?, promos?, futbol highlights (Ziolkowski NY)
- 11900nf SITE UNKNOWN R Free Asia relay in lang 2314, occasional EG ancmt "This is only a test" with Washington, DC address, EG ID 2330, into Tibetan pgm (Yocis NY 7/1)
- 17595 EGYPT(p) R Cairo (tent) in EG? 1302, nx?, poss ID, AR song, vp audio (Serra ITALY 6/1)

# Company Store

**Kris Field**  
705 Gregory Drive  
Horsham, PA 19044  
GEnie: K.FIELD4  
Internet: k.field4@genie.com

All s/h charges for the following items are included unless otherwise noted. Write for shipping and handling costs for orders shipped outside North America.

## Publications

<i>Shortwave Listening Guidebook</i> by Harry Helms. Covers equipment, antennas, propagation, station profiles, utilities, clandestines, QSL'ing, etc. 315 pages.	\$19.95 +2.00 s/h
<i>Secrets of Successful QSL'ing</i> by Gerry Dexter. The complete guide to Reception Reports and QSL collecting. 125 pages.	\$12.95 +1.00 s/h
<i>Limited Space Antenna Solutions</i> by Frank P. Hughes. Covers the random wire, dipole, vertical, outdoor, loft and indoor antennas, antenna tuners, and grounds.	\$10.00 +1.00 s/h
<i>Inside Your Shortwave Radio</i> by Ted Benson. Companion to your receiver's instruction manual, filling in what your manual leaves unclear.	\$13.95 +2.00 s/h
<i>NASWA Country List and Awards Program Booklet</i>	\$2.00
<i>The System</i> Masters for Log Book, QSL Reports, Program Notes, and QSL Log.	\$2.00
<i>Propagation Predictor</i> Divides the year into 27-day segments for tracking solar patterns.	\$2.00
<i>Spectrum Log</i> Covers Tropical and International bands.	\$8.50
<i>NASWA Reprints Catalog</i> A catalog of 800+ pages of info available from past NASWA issues.	\$2.00
<i>Joe Carr's Receiving Antenna Handbook</i> A complete guide for high performance antennas from longwave all the way to the upper end of the shortwave spectrum.	\$19.95 +2.00 s/h
<i>QSL Signers</i> by Al Quaglieri. This is the most comprehensive and up-to-date list of verification signers names, titles, and addresses available anywhere!	\$3.00 PP NA \$5.00 elsewhere
<i>Language Lab</i> by Gerry Dexter et al. Guides to reception report writing. Editions available for Spanish, French, Portuguese, and Indonesian. Tiare Publications.	\$12.00 Each +1.00 s/h
<i>Tapes: Interval Signals from Africa or Asia:</i> by Harold Hausenfluck, "Hausie"; WB4JSP: Each tapedigitally mastered approx 90 minutes of ID, Interval Signal & program detail. Asia contains 23 countries/32 stations; Africa contains 20 countries. Excellent job!	\$10.00 Each +1.00 s/h
<i>T-Shirts (2 types):</i> One displays all 12 of The Journal's covers. Two displays "The World On Shortwave", a past cover. In stock we have 4 Adult M, 1 Adult L. Nice quality; we'll order more if demand exceeds supply. please indicate size w/ order	\$10.00 Each +2.00 s/h

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



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

33

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

## FIRST CLASS MAIL



ISSN 0160-1989

The Journal of the  
North American Shortwave Association

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

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

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

### EDITORIAL STAFF

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

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

**Shortwave Center:** Hans Johnson, 8121 S.  
Poplar 204D, Englewood, CO 80112

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

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

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

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

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

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

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

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

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

**English Schedules:** Tom Sundstrom, W2XQ  
P.O. Box 2275, Vincentown, NJ 08088-2275

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

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

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

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

### MEMBERSHIP FEES:

United States (First Class Mail) .....	\$26.00
Canada & Mexico (First Class Mail) .....	\$27.00
Overseas (ISAL Mail):	
<i>Central &amp; South America and Europe</i> .....	\$30.00
<i>Asia, Africa and Pacific</i> .....	\$32.00
Overseas (Air Mail):	
<i>Central &amp; South America and Europe</i> .....	\$36.00
<i>Asia, Africa and Pacific</i> .....	\$42.00

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

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

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

